

OFFICE OF THE
EXECUTIVE ENGINEER, EDUCATION WORKS DIVISION LARKANO
(Chandka Medical College Road Larkano Ph: (074)9410501)

No. XEN(EWD)/TC/G-55/445

Larkano, Dated

09/02/2018

To,

The Director (information),
Advertisement
Government of Sindh,
Karachi.

Subject:- **PUBLICATION OF NOTICE INVITING TENDERS (NIT)**

Kindly find enclosed herewith Notice Inviting Tenders (**NIT**)
with a request to please get it published in 3-leading Newspapers viz:
Sindh, Urdu and English as required under SPPRA Rules 2010.


D.A as above.

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
LARKANO

cc to:

- o The Managing Director, Sindh Public Procurement Regulatory Authority, Planning and Development Department Government of Sindh, Karachi with a request to kindly hoist the NIT on authority's website (copy enclosed).
- o The Secretary (Focal Person), Information Technology Department, Government of Sindh, New Sindh Secretariat 1st Floor, Karachi with a request kindly to float the NIT on website of Sindh Government, please (copy enclosed).

SPPRA INWARD DIARY
No: 5674
DATED: 10-02-18


EXECUTIVE ENGINEER

**OFFICE OF THE
EXECUTIVE ENGINEER, EDUCATION WORKS DIVISION, LARKANO**

(Near High Court Building, CMC Road Larkano Ph: 074-9410501, Fax 074-9410552, Email: ewdlarkana@gmail.com)

No. XEN(EWD)/TC/G-55/445

Larkano, Dated

09/02/2018

NOTICE INVITING TENDERS

Sealed tenders are invited on Standard Bidding Documents from interested contractors/firms for the following works as per SPPRA Rules 2010 (Amended 2017).


Sr. No./ADP No.	Name of Scheme /Location	Estimated Cost (in million)	Earnest Money (5% in rupees)	Tender Fee (in rupees)	Period of Completion
1)	Rehabilitation & Expansion of High Priority 4560-Schools (Primary/Elementary) District Larkano (115-Units) (NON-ADP).				
	Taluka Larkano				
1	GBPS Ali Goharabad (Rehab:)	10.500	525,000	3000	04 Months
2	GBPS Rehmatpur (Rehab: 2 addl C.R)	6.650	332,500	3000	04 Months
3	GBPS Khair Shah Bukhari (Rehab:), GBPS Shah Muhammad Sindhi (Rehab:)	6.700	335,000	3000	04 Months
4	GBPS Lahori (Rehab: C.Wall)	7.550	377,500	3000	04 Months
5	GGPS P.V. Primary (Rehab:), GBPS Railway (Rehab: Lav:), GBPS Chandka (Rehab:)	6.340	317,000	3000	04 Months
6	GBPS Behram Khan Luhur (Rehab, 2-addl C.R, C.Wall), GBPS Rohal Khan Bugti (Rehab:)	6.600	330,000	3000	04 Months
7	GBPS Dhamrah-II (Rehab, Lav:)	6.500	325,000	3000	04 Months
8	GBPS Vikya Sangi (Rehab: C.Wall, Lav:), GBPS Dhoon (Rehab: C.Wall, Lav:), GBPS Maree Baloach (C.Wall, Lav:)	6.800	340,000	3000	04 Months
9	GGPS Shaikh Zaid-II (Rehab: 3-addl C.R)	5.650	282,500	3000	04 Months
10	GGPS Shaheed Abdul Qadir Laghari (Rehab:), GBPS Mitodero (Rehab: 3-addl C.R)	5.780	289,000	3000	04 Months
11	GBPS Akil (Rehab: 3-addl C.R, Lav:)	5.800	290,000	3000	04 Months
12	GBPS Panjal Bhutto (3-addl C.R), GBPS Channa (C.Wall, Lav:), GBPS Shahoo Boraho (Rehab:)	5.875	293,750	3000	04 Months
13	GBPS Sache Bux Jagirani (Rehab:), GGPS Kehar (Rehab:), GBLSS Sher Muhammad Jamali (Rehab: C.Wall)	5.720	286,000	3000	04 Months
14	GBPS Ratokot (Rehab: 5-addl C.R, Lav:)	7.800	390,000	3000	04 Months
15	GBPS Jurio Chandio (Rehab: 2-addl C.R, C.Wall), GBPS Wapda Colony-II (Rehab:), GBPS Gul Muhammad Khoso (Rehab:)	6.890	344,500	3000	04 Months
	Taluka Ratodero				
16	GBPS Ratodero-II (Rehab, 6-addl C.R)	10.600	530,000	3000	04 Months
17	GBPS Naudero-1 (Rehab: Lav:), GBPS Naudero-II (Rehab:)	8.150	407,500	3000	04 Months
18	GGPS Madersatul Ghurba-II (3-addl C.R), GBPS Mubarak Shah (Rehab:), GBPS Wandh Bhutta (Rehab:)	6.550	327,500	3000	04 Months
19	GBPS Fatehpur (Rehab: 2-addl C.R), GBPS Chajra (Rehab: 2-addl C.R)	8.460	423,000	3000	04 Months
20	GBPS Banguldero (Main) (Rehab:), GBPS Banguldero (Rehab:)	8.860	443,000	3000	04 Months
21	GGPS Waris Dino Machi (Rehab: 3-addl C.R, C.Wall), GBPS Bhai Khan Ghanrho (1 C.R, C.Wall)	7.400	370,000	3000	04 Months
22	GGPS Over Crowd Naudero (Rehab: 3-addl C.R), GBPS Khuda Bux Phulpoto (Rehab:)	6.930	346,500	3000	04 Months
23	GBPS Moria Faqeer (Rehab: 2-addl C.R)	4.970	248,500	3000	04 Months
24	GBPS Agham-1 (Rehab:), GBPS Walidad Gabar (Rehab)	4.900	245,000	3000	04 Months
25	GBPS Khan Wah (Rehab: 1-addl C.R), GBPS Sohrab Machi (Rehab: C.Wall)	7.500	375,000	3000	04 Months
26	GBPS Naudero-3 (Rehab: 3 addl C.R)	7.300	365,000	3000	04 Months

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	Taluka Bakrani				
27	GBPS Hyder Brohi (4-addl C.R)	4.260	213,000	300	04 Months
28	GBPS Haji Altaf Hussain Unar (3-addl C.R, Lav:), GBPS Ganja Tunia (Rehab:, 1-addl C.R)	5.800	290,000	3000	04 Months
29	GBPS Bakrani Station (Rehab:, C.Wall, Lav), GBPS Mehrabpur (1-addl C.R, C.Wall)	4.300	215,000	3000	04 Months
30	GBPS Gerelo-II (Rehab:, 1-addl C.R, Lav:), GBPS Muhammad Khan Mashori (Rehab:)	4.900	245,000	3000	04 Months
31	GBPS Abdul Samad Tunio (3-addl C.R, Rehab:), GBPS Kuli (Rehab:, Lav:)	5.840	292,000	3000	04 Months
32	GBPS Ghulam Ali Zuhriani (Rehab:, 6-addl C.R, Lav:)	7.500	375,000	3000	04 Months
33	GBPS Mahi Bhutto (Rehab:, C.Wall, Lav:), GBPS Ramzan Shaikh (Rehab:, 2-addl C.R, C.Wall, Lav:)	8.000	400,000	3000	04 Months
34	GBPS Ali Jatoi (Rehab:, 4-addl C.R, C.Wall & Lav)	5.940	297,000	3000	04 Months
35	GBPS Garhi Takht Ram (Rehab:, Lav:), GBPS Mahar Wada (Rehab:, 2-addl C.R)	5.550	278,000	3000	04 Months
	Taluka Dokri				
36	GBPS Dokri (Main) (Rehab:), GGPS Dokri (Main) (Rehab:), GBPS Almani (1-addl C.R)	7.600	381,000	3000	04 Months
37	GBPS Wakro (Rehab:), GBLSS Hatri Ghulam Shah (Rehab:, C.Wall, Toilet)	4.500	225,000	3000	04 Months
38	GBPS Mandhra (Rehab:, 2-addl C.R), GBPS Muhammad Ismail Chandio (2-addl C.R, Lav:)	6.700	335,000	3000	04 Months
39	GGPS Haji Lal Bux Shaikh (Rehab:, 3-addl C.R)	4.140	207,000	3000	04 Months
40	GBPS Usman Kalhoro (4-addl C.R)	4.300	216,000	3000	04 Months
41	GBLSS Sono Jatoi (Rehab:, C.Wall, Lav:)	4.250	213,000	3000	04 Months
2)	Rehabilitation & Expansion of High Priority 4560-Schools (Secondary) District Larkano (16-Units) (NON-ADP).				
42	GGHS Model School (EM) Tal: Larkano (Rehab:)	4.450	222,500	3000	04 Months
43	GGHS Mahota Tal: Larkano (Rehab:), GBHS Arijia Phero (Rehab:, C.Wall)	4.750	237,500	3000	04 Months
44	GBHS Lashari Tal: R'Dero (Rehab:, 4-addl C.R)	7.200	360,000	3000	04 Months
45	GBHS Phulpota-1 (Rehab:, C.Wall), GBHS Masoodero (Rehab:, 1-addl C.R)	8.330	416,500	3000	04 Months
46	GGHS Panjoodero (Rehab:)	6.230	311,500	3000	04 Months
47	GBHS Pathan (Rehab:), GGHS Khair: Muhammad Arijia (C.Wall, Lav:), GBHS Khair Muhammad Arijia (2-addl C.R), Tal: Bakrani	5.000	250,000	3000	04 Months
363	Rehabilitation of existing Primary Schools in Taluka Ratodero District Larkano (11-Units) (2015-16 Programme)				
48	GBPS Baqoo Khan Khoso (Replacement of slab)	1.450	72,500	1500	15 months
1	Integrated rehabilitation of existing Primary / Middle School Buildings Taluka Bakrani (2017-18 Programme)				
49	GBPS Nabi Bux Chahwan	2.300	115,000	3000	15 Months
367	Construction/Reconstruction of dangerous Primary Schools Taluka Dokri (8-Units) (2015-16 Programme)				
50	GBPS Gulab Junejo	1.500	75,000	1500	15 Months
51	GBPS Allahyar Sario	1.700	85,000	3000	15 Months
397	Integrated rehabilitation of existing Secondary & Higher Secondary Schools in Taluka Larkano (5-Units) (2015-16 Programme)				
52	GBHSS Pilot Larkano	4.000	200,000	3000	15 Months

- 2. Eligibility:** Valid Registration with Income Tax, Sales Tax, Sindh Revenue Board, Pakistan Engineering Council in relevant category.
- 3. Method of Procurement** (Single Stage Single Envelope).
- 4. Annual Financial Turnover** of last three years in the shape of Bank Statement showing at least 20% amount transaction of each work.

5. Bidder should have experience in the field of construction work, that should be submitted with related work order and performance certificate from the clients.
6. The Bid Security 5% (five percent) of bid amount shall be submitted in the shape of call deposit / pay order issued from any scheduled Bank of Pakistan in favour of undersigned at the time of submission of bidding documents containing full name, complete address, telephone number, fax number & e-mail of the organization.
7. Undertaking on stamp paper of Rs. 200/- that firm is not involved in any litigation, abandonment of any work in the Department or previously black listed by the Government, Semi Government and Autonomous Bodies.
8. Undertaking regarding list of Partners/Partnership Deed with Director / Proprietor etc with complete information along with Power of Attorney / Sole Proprietor.
9. Undertaking on stamp paper that information submitted by Bidder / Firm is correct and if found misleading at any stage, the work awarded will be cancelled.
10. The Bidder, if found involved in corrupt and fraudulent practices while obtaining or attempting to obtain a procurement contract, shall be black listed.
11. Bidding documents will be issued on written application on receipt of tender ^{fee} (non-refundable).
12. Bidding/Tender Documents:
 - i. **Issuance:** Documents will be issued from date of 1st publication in the newspapers & from date of hoisting on SPPRA Website up to **05-03-2018**
 - ii. **Submission:** Last date will be **06-03-2018 up to 1:00 pm.**
 - iii. **Opening:** will be opened on **06-03-2018 at 2:00 pm.**
 - iv. **Un-responded tenders** will be again issued / submitted/opened on following dates.
 2nd Attempt: Issue date from: **07-03-2018 to 21-03-2018**
 Submission date: **22-03-2018** at 1:00 p.m
 Opening date: **22-03-2018** at 2:00 p.m
13. **Terms & Conditions:**
 - a. Under following conditions bid will be rejected:-
 - i. Conditional, In-complete and telegraphic bids/tenders.
 - ii. Bids not accompanied by bid security and form.
 - iii. Bids received after specified date and time.
 - iv. Bids of black listed firms.
 - v. Bids received without information of technical staff working with firm.
 - b. If the undersigned or any member of the Procurement Committee remains out of head quarter on date of opening of tenders, the same will be opened on the next working day at the same time as mentioned above.
 - c. The bidder must submit Bank Certificate showing the actual name of Bidder/Firm maintaining his/their account therein.
 - d. Procuring Agency reserves the right to reject all or any bids subject to the relevant provisions of Sindh Public Procurement Rules 2010.


 EXECUTIVE ENGINEER
 EDUCATION WORKS DIVISION
 LARKANO

CFWCs to:

- o The Chief Engineer, Education Works, Sukkur for favour of his kind information.
- o The Superintending Engineer, Education Works Circle, Larkano for favour of information and approval please.
- o The Deputy Commissioner, Larkano for information.
- o The Director (Information), Advertisement Government of Sindh, Karachi along-with 03 extra copies for publication in the leading newspapers.
- o The Director (C.B), SPPRA, Planning and Development Department, GoS Karachi for posting NIT on website.
- o The Secretary (Focal Person), Information Technology Department, Govt. of Sindh, New Sindh Secretariat, 1st Floor, Karachi for floating tenders on website.
- o The Executive Engineer, Roads Division / Buildings Division, Larkano.
- o The Assistant Engineer, Education Works Sub-Division, Larkano/Ratodero/Dot/Electrical Sub-Division Larkano for vide publicity.
- o The Member of Procurement Committee for information.
- o Copy to Divisional Accounts Officer/Draftsman/Establishment Branch/Notice Board (local).


 EXECUTIVE ENGINEER

NOTIFICATION

EDUCATION & LITERACY DEPARTMENT (EW/14-15): In pursuance of Rule - 7 of the Sindh Public Procurement Rules, 2010, a Procurement Committee comprising of following Officers for procurement of Educational Institutes / Offices / Line Departments working under Administrative & Literacy Department to be procured under ADP / Regular Budget / SNE of Government of Sindh as per order

Executive Engineer (Education Works)
Concerned Education Works Division
Education & Literacy Department

Chairman

Assistant Engineer
Local Government Public Health Engineering Department

Member

Assistant Engineer (Education Works) of Headquarter
Concerned Education Works sub Division
Education & Literacy Department

Member

FUNCTIONS

- Preparing bidding documents;
- Carrying out technical as well as financial evaluation of the bids;
- Preparing evaluation report as provided in Rule 45 of SPPRA 2010;
- Making recommendations for the award of contract to the competent authority; and
- Perform any other function ancillary and incidental to the above.

- DR. FAZLULLAH PECHUMO -
SECRETARY TO GOVT. OF SINDH

EDUCATION & LITERACY DEPARTMENT (EW/14-15):

Karachi, date the 28th May, 2015

A copy is forwarded for information & necessary action to:-

1. All Members of the Committee.
2. The P.S. to Senior Minister, Education & Literacy Department, Govt. of Sindh, Karachi.
3. The P.S. to Secretary, Education & Literacy Department.
4. The P.S. to Secretary, Local Government Public Health Engineering Department.
5. Office Order File



SINDH EDUCATION &
LITERACY DEPARTMENT



DEPUTY SECRETARY (GA)



GOVERNMENT OF SINDH
EDUCATION & LITERACY DEPARTMENT
Karachi, date the 28-04-2015

NOTIFICATION

NO.SO(G) EDU/EA/PRO-EW(CRC)/14-15: In pursuance of Rule - 31 of the Sindh Public Procurement Rules, 2010 a Departmental Complaint Redressal Committee comprising of following Officers is constituted as under to resolve complaint's of aggrieved bidders:-

- | | |
|------------------------------------------------------------------------------------------------------------------|----------|
| 1. Superintendent Engineer (Education Works) of concerned Education Works Circle Education & Literacy Department | Chairman |
| 2. Representative of District Account Officer / Accountant General, Sindh | Member |
| 3. Representative of Head of procuring Agency (Professional from relevant field concerning) | Member |

ToRs

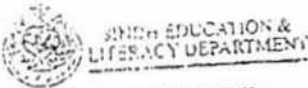
- To perform according to Rule - 31 of SPPRA, 2010;
- Perform any other function ancillary and incidental to the above.

SECRETARY EDUCATION
TO GOVT. OF SINDH
Karachi, date the 28th May, 2015

NO.SO(G) EDU/EA/PRO-EW(CRC)/14-15:

A copy is forwarded for information & necessary action to:-

1. All Members of the Committee.
2. The P.S to Secretary, Education & Literacy Department.
3. Office Order File



DEPUTY SECRETARY (GA)

ANNUAL PROCUREMENT PLAN FOR YEAR 2017-18


DEPARTMENT: EDUCATION WORKS DIVISION, LARKANO (EDUCATION & LITRACY DEPARTMENT)

Rs. in Million

ADP No./ S.No.	Description of Procurement	Estimated Cost Unit Cost (In million)	Estimated Total cost	Funds allocated	Source of funds (ADP/ Non-ADP)	Proposed procurement method	Timing of Procurement 2017-2018			
							Q1	Q2	Q3	Q4
1)	Rehabilitation & Expansion of High Priority 4560-Schools (Primary/Elementary) District Larkano (115-Units) (NON-ADP).			248.061	NON-ADP					
	Taluka Larkano					National opening competitive bidding	-	-	Yes	-
1	GBPS Ali Goharabad (Rehab:)	10.500	10.500							
2	GBPS Rehmatpur (Rehab:; 2 addl-C.R)	6.650	6.650			National opening competitive bidding	-	-	Yes	-
3	GBPS Khair Shah Bukhari (Rehab:), GBPS Shah Muhammad Sindhi (Rehab:)	6.700	6.700			National opening competitive bidding	-	-	Yes	-
4	GBPS Lahori (Rehab:; C.Wall)	7.550	7.550			National opening competitive bidding	-	-	Yes	-
5	GGPS P.V. Primary (Rehab:), GBPS Railway (Rehab:; Lav:), GBPS Chandka (Rehab:)	6.340	6.340			National opening competitive bidding	-	-	Yes	-
6	GBPS Behram Khan Luhur (Rehab, 2-addl C.R, C.Wall), GBPS Rohal Khan Bugti (Rehab:)	6.600	6.600			National opening competitive bidding	-	-	Yes	-
7	GBPS Dhamrah-II (Rehab, Lav:)	6.500	6.500							
8	GBPS Vikya Sangi (Rehab:; C.Wall, Lav:), GBPS Dhoon (Rehab:; C.Wall, Lav:), GBPS Maree Baloach (C.Wall, Lav:)	6.800	6.800							
9	GGPS Shaikh Zaid-II (Rehab:; 3-addl C.R)	5.650	5.650							
10	GGPS Shaheed Abdul Qadir Laghari (Rehab:), GBPS Mitodero (Rehab:; 3-addl C.R)	5.780	5.780							
11	GBPS Akil (Rehab:; 3-addl C.R, Lav:)	5.800	5.800							
12	GBPS Panjal Bhutto (3-addl C.R), GBPS Channa (C.Wall, Lav:), GBPS Shahoo Boraho (Rehab:)	5.875	5.875							
13	GBPS Sache Bux Jagirani (Rehab:), GGPS Kehar (Rehab:), GBLSS Sher Muhammad Jamali (Rehab:; C.Wall)	5.720	5.720							
14	GBPS Ratokot (Rehab:; 5-addl C.R, Lav:)	7.800	7.800							
15	GBPS Jurio Chandio (Rehab:; 2-addl C.R, C.Wall), GBPS Wapda Colony-II (Rehab:), GBPS Gul Muhammad Khoso (Rehab:)	6.890	6.890			National opening competitive bidding	-	-	Yes	-
	Taluka Ratodero					National opening competitive bidding	-	-	Yes	-
16	GBPS Ratodero-II (Rehab, 6-addl C.R)	10.700	10.700			National opening competitive bidding	-	-	Yes	-
17	GBPS Naudero-1 (Rehab:; Lav:), GBPS Naudero-II	7.130	7.130			National opening competitive bidding	-	-	Yes	-

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39	GGPS Haji Lal Bux Shaikh (Rehab:, 3-addl C.R)	4.400	4.400			National opening competitive bidding	-	-	Yes	-
40	GBPS Usman Kalhoro (4-addl C.R)	4.660	4.660			National opening competitive bidding	-	-	Yes	-
41	GBLSS Sono Jatoi (Rehab:, C.Wall, Lav:)	4.250	4.250			National opening competitive bidding	-	-	Yes	-
2)	Rehabilitation & Expansion of High Priority 4560-Schools (Secondary) District Larkano (16-Units) (NON-ADP).			30.900	NON-ADP	National opening competitive bidding	-	-	Yes	-
42	GGHS Model School (EM) Tal: Larkano (Rehab:)	4.450	4.450			National opening competitive bidding	-	-	Yes	-
43	GGHS Mahota Tal: Larkano (Rehab:), GBHS Arija Phero (Rehab:, C.Wall)	4.750	4.750			National opening competitive bidding	-	-	Yes	-
44	GBHS Lashari Tal: R'Dero (Rehab:, 4-addl C.R)	7.400	7.400			National opening competitive bidding	-	-	Yes	-
45	GBHS Phulpota-1 (Rehab:, C.Wall), GBHS Masoodero (Rehab:, 1-addl C.R)	8.200	8.200			National opening competitive bidding	-	-	Yes	-
46	GGHS Panjoodero (Rehab:)	6.000	6.000			National opening competitive bidding	-	-	Yes	-
47	GBHS Pathan (Rehab:), GGHS Khair Muhammad Arija (C.Wall, Lav:), GBHS Khair Muhammad Arija (2-addl C.R), Tal: Bakrani	5.100	5.100			National opening competitive bidding	-	-	Yes	-
363	Rehabilitation of existing Primary Schools in Taluka Ratodero District Larkano (11-Units) (2015-16 Programme)			2.000	ADP	National opening competitive bidding	-	-	Yes	-
48	GBPS Baqoo Khan Khoso (Replacement of slab)	1.450	1.450			National opening competitive bidding	-	-	Yes	-
1	Integrated rehabilitation of existing Primary / Middle School Buildings Taluka Bakrani (2017-18 Programme)			2.000	ADP	National opening competitive bidding	-	-	Yes	-
49	GBPS Nabi Bux Chahwan	2.300	2.300			National opening competitive bidding	-	-	Yes	-
367	Construction/Reconstruction of dangerous Primary Schools Taluka Dokri (8-Units) (2015-16 Programme)				ADP	National opening competitive bidding	-	-	Yes	-
50	GBPS Gulab Junejo	1.500	1.500			National opening competitive bidding	-	-	Yes	-
51	GBPS Allahyar Sario	1.700	1.700			National opening competitive bidding	-	-	Yes	-
397	Integrated rehabilitation of existing Secondary & Higher Secondary Schools in Taluka Larkano (5-Units) (2015-16 Programme)			2.000	ADP					
52	GBHSS Pilot Larkano	4.000	4.000			National opening competitive bidding	-	-	Yes	-


 EXECUTIVE ENGINEER
 EDUCATION WORKS DIVISION
 LARKANO

BIDDING DOCUMENT

S.No.....

Issued to _____

And charged Rs. _____ only as tender cost

Vide D.R. No. _____ dt: ____/____/2018

a) Name of Procuring Agency:- Executive Engineer, Education Works Division, Larkano

b) Brief Description of Work:- _____

(ADP No. ____ of 2017-18)

c) Procuring Agency's address:- Near Hqih Court Building, CMC Road, Larkano

d) Estimated Cost:- Rs. _____

e) Amount of Bid Security (5%) (Fill in lump sum amount or in %age of bid amount / estimated cost, but not exceeding 5%)

Rs. _____

f) Period of Bid Security Validity (days):- 28 Days

g) Period of Bid Validity (days):- 90 Days

h) Security Deposit (including bid security) in %age of bid amount / estimated cost equal to 10%)

Rs. _____

i) Percentage, if any, to be deducted from bills (Income Tax as standing orders)

Rs. _____

j) Deadline for Submission of Bids along- As per NIT with time:-

k) Venue, Time and Date of Bid Opening:- Office of the XEN, Edu: Works Division Larkano near High Court Building. CMC Road Larkano.
As per NIT

l) Time for Completion from written order of _____ Months commence:-

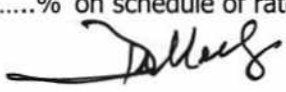
m) Liquidity damages:-
(0.05 of Estimated Cost or Bid Cost per day of delay, but total not exceeding 10%)

n) Deposit Receipt No.dt:

o) Premium offered by Contractor P-A =% on schedule of rates


P-B =% on schedule of rates

CONTRACTOR


EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
LARKANO

PPRA BIDDING DOCUMENT

STANDARD BIDDING DOCUMENT
PROCUREMENT OF WORKS
(For Contracts Costing up to Rs 2.5 MILLION)


Executive Engineer
Education Works Division
LARKAÑO

Standard Bidding Document is intended as a model for admeasurements
centage Rate/unit price for unit rates in a Bill of Materials) types of contract.
main text refers to admeasurements contracts.

Instructions to Bidders/ Procuring Agencies.

General Rules and Directions for the Guidance of Contractors.

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are included as Conditions of Contract and *Contract Data*.

The *Instructions to Bidders* will not be part of the Contract and will cease to have effect once the contract is signed.

1. All work proposed to be executed by contract shall be notified in a form of Notice Inviting Tender (NIT)/Invitation for Bid (IFB) hoisted on website of Authority and Procuring Agency and also in printed media where ever required as per rules.

NIT must state the description of the work, dates, time and place of issuing, submission, opening of bids, completion time, cost of bidding document and bid security either in lump sum or percentage of Estimated Cost/Bid Cost. The interested bidder must have valid NTN also.

2. Content of Bidding Documents must include but not limited to: Conditions of contract, Contract Data, specifications or its reference, Bill of Quantities containing description of items with scheduled/item rates with premium to be filled in form of percentage above/ below or on item rates to be quoted, Form of Agreement and drawings.

3. Fixed Price Contracts: The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

4. The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of SPP Rules 2010.

5. Conditional Offer: Any person who submits a tender shall fill up the usual printed form stating at what percentage above or below on the rates specified in Bill of Quantities for items of work to be carried out: he is willing to undertake the work and also quote the rates for those items which are based on market rates. Only one rate of such percentage, on all the Scheduled Rates shall be framed. Tenders, which propose any alternative in the works specified in the said form of invitation to tender or in the time

allowed for carrying out the work, or which contain any other conditions, will be liable to rejection. No printed form of tender shall include a tender for more than one work, but if contractor wish to tender for two or more works, they shall submit a separate tender for each.

The envelope containing the tender documents shall refer the name and number of the work.

6. All works shall be measured by standard instruments according to the rules.
7. Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.
8. Any bid received by the Agency after the deadline for submission of bids shall be rejected and returned unopened to the bidder.
9. Prior to the detailed evaluation of bids, the Procuring Agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.
10. Bid without bid security of required amount and prescribed form shall be rejected.
11. Bids determined to be substantially responsive shall be checked for any arithmetic errors. Arithmetical errors shall be rectified on the following basis;
 - (A) In case of schedule rates, the amount of percentage quoted above or below will be checked and added or subtracted from amount of bill of quantities to arrive the final bid cost.
 - (B) In case of item rates, If there is a discrepancy between the unit rate and the total cost that is obtained by multiplying the unit rate and quantity, the unit rate shall prevail and the total cost will be corrected unless in the opinion of the Agency there is an obvious misplacement of the decimal point in the unit rate, in which case the total cost as quoted will govern and the unit rate corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the sum of the total costs shall prevail and the total bid amount shall be corrected.
 - (C) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

Name of Contractor:

Name of Work:

Draft Bidding Document for Works up to 2.5 M

Estimated Cost: Rs=

Conditions of Contract

Stamp Amount Rs=

Rate 00.35%

Clause - 1: Commencement & Completion Dates of work. The contractor shall not enter upon or commence any portion or work except with the written authority and instructions of the Engineer-in-charge or of in subordinate-in-charge of the work. Failing such authority the contractor shall have no claim to ask for measurements of or payment for work.

The contractor shall proceed with the works with due expedition and without delay and complete the works in the time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall reckoned from the date on which the order to commence work is given to the contractor. And further to ensure good progress during the execution of the work, contractor shall be bound, in all in which the time allowed for completion of any work exceeds one month, to achieve progress on the prorate basis.

Clause - 2: Liquidated Damages. The contractor shall pay liquidated damages to the Agency at the rate per day stated in the bidding data for each day that the completion date is later than the Intended completion date; the amount of liquidated damage paid by the contractor to the Agency shall not exceed 10 per cent of the contract price. Agency may deduct liquidated damages from payments due to the contractor. Payment of liquidated damages does not affect the contractor's liabilities.

Clause - 3: Termination of the Contract.

(A) Procuring Agency/Executive Engineer may terminate the contract if either of the following conditions exists:-

- (i) contractor causes a breach of any clause of the Contract;
- (ii) the progress of any particular portion of the work is unsatisfactory and notice of 10 days has expired;
- (iii) in the case of abandonment of the work owing to the serious illness or death of the contractor or any other cause.
- (iv) contractor can also request for termination of contract if a payment certified by the Engineer is not paid to the contractor within 60 days of the date of the submission of the bill;

(B) The Executive Engineer/Procuring Agency has power to adopt any of the following courses as may deem fit:-

- (i) to forfeit the security deposit available except conditions mentioned at A (iii) and (iv) above;
- (ii) to finalize the work by measuring the work done by the contractor.

Contractor

Executive Engineer

Sindh Public Procurement Regulatory Authority

Education Works Division

LARKANO

(C) In the event of any of the above courses being adopted by the Executive Engineer/Procuring Agency, the contractor shall have:-

- (i) no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials, or entered into any engagements, or made any advances on account of, or with a view to the execution of the work or the performance of the contract,
- (ii) however, the contractor can claim for the work done at site duly certified by the executive engineer in writing regarding the performance of such work and has not been paid.

Procuring Agency/Engineer may invite fresh bids for remaining work.

Clause 4: Possession of the site and claims for compensation for delay. The Engineer shall give possession of all parts of the site to the contractor. If possession of site is not given by the date stated in the contract data, no compensation shall be allowed for any delay caused in starting of the work on account of any acquisition of land, water standing in borrow pits/ compartments or in according sanction to estimates. In such case, either date of commencement will be changed or period of completion is to be extended accordingly.


Clause -5: Extension of Intended Completion Date. The Procuring Agency either at its own initiatives before the date of completion or on desire of the contractor may extend the intended completion date, if an event (which hinders the execution of contract) occurs or a variation order is issued which makes it impossible to complete the work by the intended completion date for such period as he may think necessary or proper. The decision of the Executive Engineer in this matter shall be final; where time has been extended under this or any other clause of this agreement, the date for completion of the work shall be the date fixed by the order giving the extension or by the aggregate of all such orders, made under this agreement.

When time has been extended as aforesaid, it shall continue to be the essence of the contract and all clauses of the contract shall continue to be operative during the extended period.

Clause -6: Specifications. The contractor shall execute the whole and every part of the work in the most substantial and work-man-like manner and both as regards materials and all other matters in strict accordance with the specifications lodged in the office of the Executive Engineer and initialed by the parties, the said specification being a part of the contract. The contractor shall also confirm exactly, fully and faithfully to the designs, drawing, and instructions in writing relating to the work signed by the Engineer-in-charge and lodge in his office and to which the contractor shall be entitled to have access at such office or on the site of work for the purpose of inspection during office hours and the contractor shall, if he so requires, be entitled at his own expense to make or cause to be made copies of the specifications, and of all such designs, drawings, and instructions as aforesaid.

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Executive Engineer
Education Works Division
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Clause – 7: Payments.

- (A) **Interim/Running Bill.** A bill shall be submitted by the contractor as frequently as the progress of the work may justify for all work executed and not included in any previous bill at least once in a month and the Engineer-in-charge shall take or cause to be taken the requisite measurements for the purpose of having the same verified and the claim, as far as admissible, adjusted, if possible before the expiry of ten days from the presentation of the bill, at any time depute a subordinate to measure up the said work in the presence of the contractor or his authorized agent, whose countersignature to the measurement list will be sufficient to warrant and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects.

The Engineer /Procuring Agency shall pass/certify the amount to be paid to the contractor, which he considers due and payable in respect thereof, subject to deduction of security deposit, advance payment if any made to him and taxes.

All such intermediate payment shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the Engineer-in-charge from recoveries from final bill and rectification of defects and unsatisfactory items of works pointed out to him during defect liability period.

- (B) **The Final Bill.** A bill shall be submitted by the contractor within one month of the date fixed for the completion of the work otherwise Engineer-in-charge's certificate of the measurements and of the total amount payable for the works shall be final and binding on all parties.

Clause – 8: Reduced Rates. In cases where the items of work are not accepted as so completed, the Engineer-in-charge may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on running account bills with reasons recorded in writing.

Clause – 9: Issuance of Variation and Repeat Orders.

- (A) Agency may issue a Variation Order for procurement of works, physical services from the original contractor to cover any increase or decrease in quantities, including the introduction of new work items that are either due to change of plans, design or alignment to suit actual field conditions, within the general scope and physical boundaries of the contract.
- (B) Contractor shall not perform a variation until the Procuring Agency has authorized the variation in writing subject to the limit not exceeding the contract cost by of 15% on the same conditions in all respects on which he agreed to do them in the

Contractor _____

Sindh Public Procurement Regulatory Authority **Executive Engineer**
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- work, and at the same rates, as are specified in the tender for the main work. The contractor has no right to claim for compensation by reason of alterations or curtailment of the work.
- (C) In case the nature of the work in the variation does not correspond with items in the Bill of Quantities, the quotation by the contractor is to be in the form of new rates for the relevant items of work, and if the Engineer-in-charge is satisfied that the rate quoted is within the rate worked out by him on detailed rate analysis, and then only he shall allow him that rate after approval from higher authority.
- (D) The time for the completion of the work shall be extended in the proportion that the additional work bear to the original contract work.
- (E) In case of quantities of work executed result the Initial Contract Price to be exceeded by more than 15%, and then Engineer can adjust the rates for those quantities causing excess the cost of contract beyond 15% after approval of Superintending Engineer.
- (F) Repeat Order: Any cumulative variation, beyond the 15% of initial contract amount, shall be subject of another contract to be tendered out if the works are separable from the original contract.

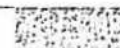
Clause-10: Quality Control.

- (A) **Identifying Defects:** If at any time before the security deposit is refunded to the contractor/during defect liability period mentioned in bid data, the Engineer-in-charge or his subordinate-in-charge of the work may instruct the contractor to uncover and test any part of the works which he considers may have a defect due to use of unsound materials or unskillful workmanship and the contractor has to carry out a test at his own cost irrespective of work already approved or paid.
- (B) **Correction of Defects:** The contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or in part, as the case may require. The contractor shall correct the notified defect within the Defects Correction Period mentioned in notice.
- (C) **Uncorrected Defects:**
- (i) In the case of any such failure, the Engineer-in-charge shall give the contractor at least 14 days notice of his intention to use a third party to correct a defect. He may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

Contractor

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- (ii) If the Engineer considers that rectification/correction of a defect is not essential and it may be accepted or made use of; it shall be within his discretion to accept the same at such reduced rates as he may fix therefore.

Clause – 11:

- (A) **Inspection of Operations.** The Engineer and his subordinates, shall at all reasonable times have access to the site for supervision and inspection of works under or in course of execution in pursuance of the contract and the contractor shall afford every facility for and every assistance in obtaining the right to such access.
- (B) **Dates for Inspection and Testing.** The Engineer shall give the contractor reasonable notice of the intention of the Engineer-in-charge or his subordinate to visit the work shall have been given to the contractor, then he either himself be present to receive orders and instructions, or have a responsible agent duly accredited in writing present for that purpose, orders given to the contractor's duly authorized agent shall be considered to have the same force an effect as if they had been given to the contractor himself.

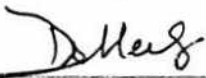
Clause – 12: Examination of work before covering up.

- (A) No part of the works shall be covered up or put out of view/beyond the reach without giving notice of not less than five days to the Engineer whenever any such part of the works or foundations is or are ready or about to be ready for examination and the Engineer shall, without delay, unless he considers it unnecessary and advises the contractor accordingly, attend for the purpose of examining and measuring such part of the works or of examining such foundations;
- (B) If any work is covered up or placed beyond the reach of measurement without such notice having been given, the same shall be uncovered at the contractor's expense, and in default thereof no payment or allowance shall be made for such work, or for the materials with which the same was executed.

Clause – 13: Risks. The contractor shall be responsible for all risks of loss of or damage to physical property or facilities or related services at the premises and of personal injury and death which arise during and in consequence of its performance of the contract. if any damage is caused while the work is in progress or become apparent within three months of the grant of the certificate of completion, final or otherwise, the contractor shall make good the same at his own expense, or in default the Engineer may cause the same to be made good by other workmen, and deduct the expenses from retention money lying with the Engineer.

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Sindh Public Procurement Regulatory Authority


Executive Engineer
Education Works Division
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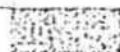

Clause-14: Measures for prevention of fire and safety measures. The contractor shall not set fire to any standing jungle, trees, bush-wood or grass without a written permit from the Executive Engineer. When such permit is given, and also in all cases when destroying, cutting or uprooting trees, bush-wood, grass, etc by fire, the contractor shall take necessary measures to prevent such fire spreading to or otherwise damaging surrounding property. The contractor is responsible for the safety of all its activities including protection of the environment on and off the site. Compensation of all damage done intentionally or unintentionally on or off the site by the contractor's labour shall be paid by him.

Clause-15: Sub-contracting. The contractor shall not subcontract the whole of the works, except where otherwise provided by the contract. The contractor shall not subcontract any part of the works without the prior consent of the Engineer. Any such consent shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any subcontractor, his agents, servants or workmen as if these acts, defaults or neglects were those of the contractor, his agents' servants or workmen. The provisions of this contract shall apply to such subcontractor or his employees as if he or it were employees of the contractor.

Clause - 16: Disputes. All disputes arising in connection with the present contract, and which cannot be amicably settled between the parties, the decision of the Superintending Engineer of the circle/officer/one grade higher to awarding authority shall be final, conclusive and binding on all parties to the contract upon all questions relating to the meaning of the specifications, designs drawings, and instructions, hereinbefore mentioned and as to the quality of workmanship, or materials used on the work or as to any other questions, claim, right, matter, or thing whatsoever in any way arising out of, or relating to the contract design, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution, of failure to execute the same, whether arising, during the progress of the work, or after the completion or abandonment thereof.

Clause -17: Site Clearance. On completion of the work, the contractor shall be furnished with a certificate by the Executive Engineer (hereinafter called the Engineer in-charge) of such completion, but neither such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed all temporary structures and materials brought at site either for use or for operation facilities including cleaning debris and dirt at the site. If the contractor fails to comply with the requirements of this clause then Engineer-in-charge, may at the expense of the contractor remove and dispose of the same as he thinks fit and shall deduct the amount of all expenses so incurred from the contractor's retention money. The contractor shall have no claim in respect of any surplus materials as aforesaid except for any sum actually realized by the sale thereof.

Contractor



Clause -18: Financial Assistance /Advance Payment.

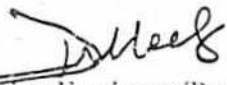
- (A) Mobilization advance is not allowed.
- (B) Secured Advance against materials brought at site.
- (i) Secured Advance may be permitted only against imperishable materials/quantities anticipated to be consumed/utilized on the work within a period of three months from the date of issue of secured advance and definitely not for full quantities of materials for the entire work/contract. The sum payable for such materials on site shall not exceed 75% of the market price of materials;
 - (ii) Recovery of Secured Advance paid to the contractor under the above provisions shall be affected from the monthly payments on actual consumption basis, but not later than period more than three months (even if unutilized).

Clause -19: Recovery as arrears of Land Revenue. Any sum due to the Government by the contractor shall be liable for recovery as arrears of Land Revenue.

Clause -20: Refund of Security Deposit/Retention Money. On completion of the whole of the works (a work should be considered as complete for the purpose of refund of security deposit to a contractor from the last date on which its final measurements are checked by a competent authority, if such check is necessary otherwise from the last date of recording the final measurements), the defects notice period has also passed and the Engineer has certified that all defects notified to the contractor before the end of this period have been corrected, the security deposit lodged by a contractor (in cash or recovered in installments from his bills) shall be refunded to him after the expiry of three months from the date on which the work is completed.

Divisional Account Officer
Education Works Division Larkano

Contractor


Executive Engineer/Procuring Agency
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BILL OF QUANTITIES

(A) Description and rate of Items based on Composite Schedule of Rates.

Item No	Quantities	Description of item to be executed at site	Rate	Unit	Amount in Rupees
1	2	3	4	5	6
		Schedule B			
		Attached Seperately			

Amount TOTAL (a)

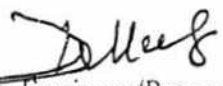
PART - A
PART - B

----- % above/below on the rates of CSR.

Amount to be added/deducted on the basis
Of premium quoted. TOTAL (b)

Total (A) = a+b in words & figures: Rs=

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(B) Description and rate of Items based on Market (Offered rates)

Item No	Quantities	Description of item to be executed at site	Rate	Unit	Amount in Rupees

Total (B) in words & figures:

Contractor


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Executive Engineer
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Summary of Bill of Quantities.

Cost of Bid

Amount

1. (A) Cost based on Composite Schedule of Rates.

Rs= _____

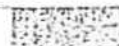
2. (B) Cost based on Non/Offered Schedule of Rates.

TOTAL COST OF BID (C) = Total (A) + Total (B)

Rs= _____

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BIDDING DOCUMENT

S.No.....

Issued to

And charged Rs. _____ only as tender cost

Vide D.R. No. _____ dt: ____/____/2018

a) Name of Procuring Agency:- Executive Engineer, Education Works Division, Larkano

b) Brief Description of Work:- _____

(ADP No. _____ of 2017-18)

c) Procuring Agency's address:- Near High Court Building, CMC Road, Larkano

d) Estimated Cost:- Rs. _____

e) Amount of Bid Security (5%) (Fill in lump sum amount or in %age of bid amount / estimated cost, but not exceeding 5%) Rs. _____

f) Period of Bid Security Validity (days):- 28 Days

g) Period of Bid Validity (days):- 90 Days

h) Security Deposit (including bid security) in %age of bid amount / estimated cost equal to 10% Rs. _____

i) Percentage, if any, to be deducted from bills (Income Tax as standing orders) Rs. _____

j) Deadline for Submission of Bids along- As per NIT with time:-

k) Venue, Time and Date of Bid Opening:- Office of the XEN, Edu: Works Division Larkano near High Court Building. CMC Road Larkano.
As per NIT

l) Time for Completion from written order of _____ Months
commence:-

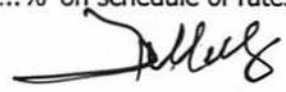
m) Liquidity damages:- _____
(0.05 of Estimated Cost or Bid Cost per day of delay, but total not exceeding 10%)

n) Deposit Receipt No.dt:

o) Premium offered by Contractor P-A =% on schedule of rates

P-B =% on schedule of rates

CONTRACTOR


EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
LARKANO


SPPRA BIDDING DOCUMENT

STANDARD FORM OF BIDDING DOCUMENT

FOR


PROCUREMENT OF WORKS

(For Contracts (Small) amounting between Rs.2.5 million to Rs.50 million)


Executive Engineer
Education Works Division
LARKANO

INSTRUCTIONS TO PROCURING AGENCIES

Contractor


Executive Engineer
Education Works Division
LARKANA



INSTRUCTIONS TO PROCURING AGENCIES

(Not to be included in Bidding Documents)

A. Basis of Documents

These Documents have been prepared as a global document intended to be used by different agencies/users according to their requirements. This document is envisaged for National Competitive Bidding (NCB), meant for use for Works costing not more than Rs. 25 Million. These documents may be tailored according to the scope of works as well as in case of contracts on International Competitive Bidding (ICB) basis, funded by international financial institutions/donors, with payments in foreign currencies. Procuring agencies are then to tailor the relevant clauses to suit their requirements including appropriate modifications in the relevant sections of the documents in the light of SPPRA Bidding Documents for Large Works.

The Procuring Agency is expected to manage the Contract itself. The role of Engineer may be added by the Procuring Agency, if the Procuring Agency wishes to engage a consultant. The role of the Engineer with specific delegated powers under various clauses of Instructions to Bidders such as clarifications of Bid Documents, Amendment of Bid Documents, evaluation of Bids etc. and to administer the Contract under various clauses of Conditions of Contract should have been specified. The Procuring Agency will be required to set out in the specifications and drawings the full scope of work including the extent of design to be done by the Contractor, if any.

B. Contents of Documents

As stated in Clause IB.4 of Instructions to Bidders, the complete Bidding Documents in addition to Invitation for Bids shall comprise items listed therein including any addendum to Bidding Documents issued in accordance with IB.6. The Standard Form of Bidding Documents (for Small Contracts) includes the following:


1. Instructions to Bidders & Bidding Data
2. Form of Bid & Schedules to Bid
3. Conditions of Contract & Contract Data
4. Standard Forms
5. Specifications
6. Drawings, if any

In addition, Instructions to procuring agencies are also provided at various locations of this document within parenthesis or as a Note(s). Procuring agencies are expected to edit or finalise this document accordingly, by filling in all the relevant blank spaces and forms as per the scope of the work, deleting all notes and instructions intended to help the bidders.

The procuring agency is required to prepare the following for completion of the Bidding Documents:

- (i) Invitation for Bids

(Continued)


Executive Engineer,
Education Works Division



- (ii) Bidding Data
- (iii) Schedules to Bid (Samples)
- (iv) Schedule of Prices (Format)
- (v) Contract Data
- (vi) Specifications
- (vii) Drawings, if any

The Procuring agency's attention is drawn to the following while finalizing the Bidding Documents.

C. Notice Inviting Tender/ Invitation for Bids/ Request for Expression of Interest

The "Notice Inviting Tender" is meant for publication of tenders for calling bids in the newspapers and SPPRA Website.

The blank spaces wherever shown are required to be filled by the Procuring Agency before issuance of Bidding Documents.

The Procuring Agency may modify para 1 of Notice Inviting Tender as per its requirements. The notice should be published so as to give the interested bidders sufficient working period for preparation and submission of bids – not less than 15 days for National Competitive Bidding and 45 days for International Competitive Bidding (SPP Rule 18).

1. The eligible bidders are defined in IB.2; the text can be amended by the Procuring Agency as deemed appropriate.
2. The non-refundable fee for the sale of Bidding Documents should be nominal so as to cover printing/reproduction and mailing costs and to ensure that only bona-fide bidders shall apply (SPP Rule 20).
3. The amount of Bid Security should be a lump sum figure or a percentage, but not less than 1% and more than 5% of bid price and should be in accordance with IB.13.1 (SPP Rule 37).
4. If the venue of receipt of bids and the opening of bids is the same, the times for receipt and opening of bids are to be entered in last Para of the Notice Inviting Tender, otherwise indicate the name, address and exact location for the opening of bids. However the date for the receipt and the opening of bids shall be same (SPP Rule 41).

D. Instructions to Bidders

These Instructions to Bidders will not be part of Contract and will cease to have effect once the Contract is signed along with Bidding Data.

The Instructions to Bidders can be used as given. Procuring agency may have to make changes under Bidding Data.

The Procuring Agency's or Engineer's Representative, if any, shall exercise powers of the Engineer/Procuring Agency under and in connection with Clauses 13.5, 13.6, 13.16, etc. In

Contractor

[Signature]
Executive Engineer,
Education Works Division

case an Engineer has been appointed by the Procuring Agency, the aforesaid clauses may be modified accordingly to specify the role of the Engineer by the Procuring Agency, otherwise the Engineer's reference wherever exist, except Sub-Clause 1.1.20 & Clause 15 of Conditions of Contract and Item 1.1.20 of Contract Data, shall be deleted.

E. Bidding Data

The blank spaces wherever shown in Bidding Data are required to be filled by the Engineer/Procuring Agency before issuance of Bidding Documents.

1. Contents of IB.10.3 may be retained or modified by the Procuring Agency.
2. Procuring Agency should insert required experience in IB.11.2.
3. Referring to IB.14.1, the period of bid validity may range from 30 to 90 days depending upon the size and nature of the works. Number of days shall be filled in as per Procuring Agency's requirements.
4. Contents of IB.16.3 to IB.16.8 may be retained or modified by the Procuring Agency in accordance with its requirements.

F. Schedules to Bid

Specimen of Schedules to Bid including format of Schedule of Prices are provided in this document. The Procuring Agency may add/delete/modify as per its requirement.

The blank spaces wherever shown are required to be filled by the Engineer/Procuring Agency before issuance of Bidding Documents except those required to be provided by the Contractor.

G. Conditions of Contract

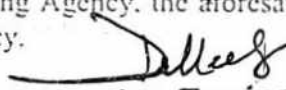
The procuring agency while preparing Contract Data, shall ensure that no Clause of Conditions of Contract is deleted and that the changes included in Contract Data shall be such as not to change the spirit of the document. Any adjustment or change in clauses of Conditions of Contract to meet specific project features shall be made with care and incorporated in Contract Data.

II. Contract Data

The blank spaces wherever shown are required to be filled by the Engineer/Procuring Agency before issuance of Bidding Documents.

1. Referring to Sub-Clause 1.1.1 of Conditions of Contract, the Engineer/Procuring Agency may add, in order of priority, such other documents as to form part of the Contract, in Sub-Clause 1.3 of the Contract Data.
2. The Procuring Agency's Representative, if any, shall exercise powers of the Procuring Agency under and in connection with Sub-Clauses 1.3, 2.3, 4.2, 4.3, 5.1, 7.3, 8.2, 9.1, 9.2, 10.1, 10.2, 10.5, 11.1, 11.5, 12.1, 13.2 and 14.1 of the Conditions of Contract. In case an Engineer has been appointed by the Procuring Agency, the aforesaid clauses may be modified accordingly by the Procuring Agency.

Contractor


Executive Engineer

Education Works Division

LARKANA


3. The sum insured for different insurances including minimum amount of third party insurance should be assessed by the Engineer/Procuring Agency and entered in Contract Data. Such insurance cover shall be carried out with Insurance Company having at least AA rating from PACRA / JCR in the favour of the procuring agency.
4. The time for completion of the whole of the works should be assessed by the Engineer/Procuring Agency and entered in the Contract Data.
5. The Conditions of Contract contain no overall limit on the Contractor's liability. The amount of liquidated damages per day of delay shall be entered by the Engineer/Procuring Agency in Contract Data. Usually the liquidated damages are set between 0.05 percent and 0.10 percent per day and the maximum limit as 10 percent of contract price stated in the Letter of Acceptance.
6. Any amendment and/or additions to the Conditions of the Contract that are specific to a given Bid/Contract should be included by the Procuring agency. This may include but not be limited to the provisions regarding the following:
 - a) Terms of Payment should be prepared and incorporated in Contract Data by the Engineer/Procuring Agency.
 - b) The Engineer/Procuring Agency to make sure that all taxes and duties are included by the Bidders/Contractors in their prices.

I. Specifications

To be prepared and incorporated by the Engineer/Procuring Agency

J. Drawings

To be prepared and incorporated by the Engineer/Procuring Agency, if required.



Procurement Engineer
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Education Works Division



INVITATION FOR BIDS

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INVITATION FOR BIDS

Date: _____

Bid Reference No.: _____

1. The Procuring Agency, _____ [enter name of the procuring agency], invites sealed bids from interested firms or persons licensed by the Pakistan Engineering Council in the appropriate category(not required for works costing Rs 2.5 million or less) and/or duly pre-qualified(if pre-qualification is done for specific scheme/project) with the Procuring Agency for the Works, _____ [enter title, type and financial volume of work], which will be completed in _____ [enter appropriate time period] days.
2. A complete set of Bidding Documents may be purchased by an interested eligible bidder on submission of a written application to the office given below and upon payment of a non-refundable fee of Rupees _____ (Insert Amount). Bidders may acquire the Bidding Documents from the Office of the Procuring Agency, at _____ (Mailing Address).
3. All bids must be accompanied by a Bid Security in the amount of Rs. _____ (Rupees _____) or _____ percentage of bid price in the form of (pay order / demand draft / bank guarantee) and must be delivered to _____ (Indicate Address and Exact Location) at or before _____ hours, on _____ (Date). Bids will be opened at _____ hours on the same day in the presence of bidders' representatives who choose to attend, at the same address [indicate the address if it differs].

- [Note: 1. Procuring Agency to enter the requisite information in blank spaces.
2. The bid shall be opened within one hour after the deadline for submission of bids.]


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INSTRUCTIONS TO BIDDERS & BIDDING DATA

Notes on the Instructions to Bidders

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are not normally included in this Section, but rather in the appropriate sections of the *Conditions of Contract* and/or *Contract Data*.



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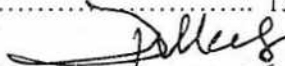


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INSTRUCTIONS TO BIDDERS

(Note: *These Instructions to Bidders (IB) along with Bidding Data will not be part of Contract and will cease to have effect once the Contract is signed.*)

A. GENERAL

IB.1 Scope of Bid & Source of Funds

1.1 Scope of Bid

The Procuring Agency as defined in the Bidding Data (hereinafter called "the Procuring Agency") wishes to receive Bids for the Works summarized in the Bidding Data (hereinafter referred to as "the Works").

Bidders must quote for the complete scope of work. Any Bid covering partial scope of work will be rejected as non-responsive.

1.2 Source of Funds

The Procuring Agency has arranged funds from its own sources or *Federal/ Provincial /Donor agency or any other source*, which may be indicated accordingly in bidding data towards the cost of the project/scheme.

IB.2 Eligible Bidders

2.1 Bidding is open to all firms and persons meeting the following requirements:

- a) duly licensed by the Pakistan Engineering Council (PEC) in the appropriate category for value of works.

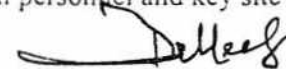
Provided that the works costing Rs. 2.5 million or less shall not require any registration with PEC.

- b) duly pre-qualified with the Procuring Agency. (*Where required*).

In the event that prequalification of potential bidders has been undertaken, only bids from prequalified bidders will be considered for award of Contract.

- c) if prequalification has not undertaken, the procuring agency may ask information and documents not limited to following:-
 - (i) company profile;
 - (ii) works of similar nature and size for each performed in last 3/5 years;
 - (iii) construction equipments;
 - (iv) qualification and experience of technical personnel and key site management;




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- (v) financial statement of last 3 years;
- (vi) information regarding litigations and abandoned works if any.

1B.3 Cost of Bidding

- 3.1 The bidder shall bear all costs associated with the preparation and submission of its bid and the Procuring Agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process (SPP Rules 24 & 25).

B. BIDDING DOCUMENTS

1B.4 Contents of Bidding Documents

- 4.1 In addition to Invitation for Bids, the Bidding Documents are those stated below, and should be read in conjunction with any Addendum issued in accordance with Sub-Clause 1B.6.1.

1. Instructions to Bidders & Bidding Data
2. Form of Bid, Qualification Information & Schedules to Bid
Schedules to Bid comprise the following:
 - (i) Schedule A: Schedule of Prices/ Bill of Quantities (BoQ).
 - (ii) Schedule B: Specific Works Data
 - (iii) Schedule C: Works to be Performed by Subcontractors
 - (iv) Schedule D: Proposed Programme of Works
 - (v) Schedule E: Method of Performing Works
 - (vi) Schedule F: Integrity Pact (works costing Rs 10 million and above)
3. Conditions of Contract & Contract Data
4. Standard Forms:
 - (i) Form of Bid Security,
 - (ii) Form of Performance Security;
 - (iii) Form of Contract Agreement;
 - (iv) Form of Bank Guarantee for Advance Payment.
5. Specifications
6. Drawings, if any

1B.5 Clarification of Bidding Documents

- 5.1 A prospective bidder requiring any clarification(s) in respect of the Bidding Documents may notify the Engineer/Procuring Agency at the Engineer's/ Procuring Agency's address indicated in the Bidding Data.
- 5.2 An interested bidder, who has obtained bidding documents, may request for clarification

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of contents of bidding documents in writing and procuring agency shall respond to such queries in writing within three calendar days, provided they are received at least five calendar days prior to the date of opening of bid (SPP Rule 23-1).

IB.6 Amendment of Bidding Documents (SPP Rules 22(2) & 22).

- 6.1 At any time prior to the deadline for submission of Bids, the Procuring Agency may, for any reason, whether at his own initiative or in response to a clarification requested by a interested bidder, modify the Bidding Documents by issuing addendum.
- 6.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 6.1 hereof, and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Procuring Agency.
- 6.3 To afford interested bidders reasonable time in which to take an addendum into account in preparing their Bids, the Procuring Agency may at its discretion extend the deadline for submission of Bids.

C. PREPARATION OF BIDS

IB.7 Language of Bid

- 7.1 All documents relating to the Bid shall be in the language specified in the Contract Data.

IB.8 Documents Comprising the Bid

- 8.1 The Bid submitted by the bidder shall comprise the following:
 - (a) Offer /Covering Letter
 - (b) Form of Bid duly filled, signed and sealed, in accordance with IB.14.3.
 - (c) Schedules (A to F) to Bid duly filled and initialed, in accordance with the instructions contained therein & in accordance with IB.14.3.
 - (d) Bid Security furnished in accordance with IB.13.
 - (e) Power of Attorney in accordance with IB 14.5.
 - (f) Documentary evidence in accordance with IB.2(c) & IB.11
 - (g) Documentary evidence in accordance with IB.12.

IB.9 Sufficiency of Bid

- 9.1 Each bidder shall satisfy himself before Bidding as to the correctness and sufficiency of his Bid and of the premium on the rates of CSR / rates and prices quoted/entered in the Schedule of Prices, which rates and prices shall except in so far as it is otherwise expressly provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper completion of the works.

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9.2 The bidder is advised to obtain for himself at his own cost and responsibility all information that may be necessary for preparing the bid and entering into a Contract for execution of the Works.

IB.10 Bid Prices, Currency of Bid and Payment

10.1 The bidder shall fill up the Schedule of Prices (Schedule A to Bid) indicating the percentage above or below the Composite Schedule of Rates/unit rates and prices of the Works to be performed under the Contract. Prices in the Schedule of Prices/Bill of Quantities shall be quoted entirely in Pak Rupees keeping in view the instructions contained in the Preamble to Schedule of Prices.

10.2 Unless otherwise stipulated in the Conditions of Contract, prices quoted by the bidder shall remain fixed during the bidder's performance of the Contract and not subject to variation on any account.

10.3 The unit rates and prices in the Schedule of Prices or percentage above or below on the composite schedule of rates shall be quoted by the bidder in the currency as stipulated in Bidding Data.

10.4 Items for which no rate or price is entered by the Bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.

IB.11 Documents Establishing Bidder's Eligibility and Qualifications

11.1 Pursuant to Clause IB.8, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.


11.2 Bidder must possess and provide evidence of its capability and the experience as stipulated in Bidding Data and the Qualification Criteria mentioned in the Bidding Documents.

IB.12 Documents Establishing Works' Conformity to Bidding Documents

12.1 The documentary evidence of the Works' conformity to the Bidding Documents may be in the form of literature, drawings and data and the bidder shall furnish documentation as set out in Bidding Data.

12.2 The bidder shall note that standards for workmanship, material and equipment, and references to brand names or catalogue numbers, if any, designated by the Procuring Agency in the Technical Provisions are intended to be descriptive only and not restrictive.

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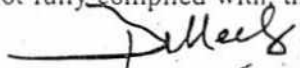
IB.13 Bid Security

- 13.1 Each bidder shall furnish, as part of his bid, at the option of the bidder, a Bid Security as percentage of bid price/estimated cost or in the amount stipulated in Bidding Data in Pak. Rupees in the form of *Deposit at Call/ Payee's Order or a Bank Guarantee* issued by a Scheduled Bank in Pakistan in favour of the Procuring Agency valid for a period up to twenty eight (28) days beyond the bid validity date (*Bid security should not be below 1% and not exceeding 5% of bid price/estimated cost SPP Rule 37*).
- 13.2 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring Agency as non-responsive.
- 13.3 The bid securities of unsuccessful bidders will be returned upon award of contract to the successful bidder or on the expiry of validity of Bid Security whichever is earlier.
- 13.4 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security, and signed the Contract Agreement (SPP Rule 37).
- 13.5 The Bid Security may be forfeited:
- (a) if a bidder withdraws his bid during the period of bid validity; or
 - (b) if a bidder does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) hereof; or
 - (c) in the case of a successful bidder, if he fails within the specified time limit to:
 - (i) furnish the required Performance Security or
 - (ii) sign the Contract Agreement.

IB.14 Validity of Bids, Format, Signing and Submission of Bid

- 14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the date of bid opening.
- 14.2 In exceptional circumstances, Procuring Agency may request the bidders to extend the period of validity for a additional period but not exceeding 1/3 of the original period. The request and the bidders' responses shall be made in writing or by cable. A Bidder may refuse the request without forfeiting the Bid Security. A Bidder agreeing to the request will not be required or permitted to otherwise modify the Bid, but will be required to extend the validity of Bid Security for the period of the extension, and in compliance with IB.13 in all respects (SPP Rule 38).
- 14.3 All Schedules to Bid are to be properly completed and signed.
- 14.4 No alteration is to be made in the Form of Bid except in filling up the blanks as directed. If any alteration be made or if these instructions be not fully complied with, the bid may be rejected.

Signature


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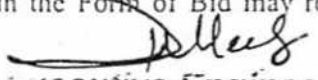
- 14.5 Each bidder shall prepare Original and number of copies specified in the Bidding Data of the documents comprising the bid as described in IB.8 and clearly mark them "ORIGINAL" and "COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.
- 14.6 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign (in the case of copies, Photostats are also acceptable). This shall be indicated by submitting a written Power of Attorney authorising the signatory of the bidder to act for and on behalf of the bidder. All pages of the bid shall be initialed and official seal be affixed by the person or persons signing the bid.
- 14.7 The Bid shall be delivered in person or sent by registered mail at the address to Procuring Agency as given in Bidding Data.

D. SUBMISSION OF BID

IB.15 Deadline for Submission, Modification & Withdrawal of Bids

- 15.1 Bids must be received by the Procuring Agency at the address/provided in Bidding Data not later than the time and date stipulated therein.
- 15.2 The inner and outer envelopes shall
- (a) be addressed to the Procuring Agency at the address provided in the Bidding Data;
 - (b) bear the name and identification number of the Contract as defined in the Bidding and Contract Data; and
 - (c) provide a warning not to open before the specified time and date for Bid opening as defined in the Bidding Data.
 - (d) in addition to the identification required in 15.2, the inner envelopes shall indicate the name and address of the Bidder to enable the Bid to be returned unopened in case it is declared late.
 - (e) If the outer envelope is not sealed and marked as above, the Procuring Agency will assume no responsibility for the misplacement or premature opening of the Bid.
- 15.3 Bids submitted through telegraph, telex, fax or e-mail shall not be considered.
- 15.4 Any bid received by the Procuring Agency after the deadline for submission prescribed in Bidding Data will be returned unopened to such bidder.
- 15.5 Any bidder may modify or withdraw his bid after bid submission provided that the modification or written notice of withdrawal is received by the Procuring Agency prior to the deadline for submission of bids.
- 15.6 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security pursuant to IB.13.5 (a).

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E. BID OPENING AND EVALUATION

IB.16 Bid Opening, Clarification and Evaluation (SPP Rules 41, 42 & 43)

- 16.1 The Procuring Agency will open the bids, in the presence of bidders' representatives who choose to attend, at the time, date and in the place specified in the Bidding Data.
- 16.2 The bidder's name, Bid Prices, any discount, the presence or absence of Bid Security, and such other details as the Procuring Agency at its discretion may consider appropriate, will be announced by the Procuring Agency at the bid opening. The Procuring Agency will record the minutes of the bid opening. Representatives of the bidders who choose to attend shall sign the attendance sheet.


Any Bid Price or discount which is not read out and recorded at bid opening will not be taken into account in the evaluation of bid.

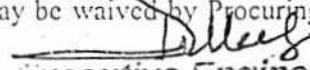
- 16.3 To assist in the examination, evaluation and comparison of Bids the Engineer/Procuring Agency may, at its discretion, ask the bidder for a clarification of its Bid. The request for clarification and the response shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted (SPP Rule 43).
- 16.4 (a) Prior to the detailed evaluation, pursuant to IB.16.7 to 16.9, the Engineer/Procuring Agency will determine the substantial responsiveness of each bid to the Bidding Documents. For purpose of these instructions, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations. It will include determining the requirements listed in Bidding Data.
- (b) Arithmetical errors will be rectified on the following basis:

If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a discrepancy between the Total Bid price entered in Form of Bid and the total shown in Schedule of Prices-Summary, the amount stated in the Form of Bid will be corrected by the Procuring Agency in accordance with the Corrected Schedule of Prices.

If the bidder does not accept the corrected amount of Bid, his Bid will be rejected and his Bid Security forfeited.

- 16.5 A Bid determined as substantially non-responsive will be rejected and will not subsequently be made responsive by the bidder by correction of the non-conformity.
- 16.6 Any minor informality or non-conformity or irregularity in a Bid which does not constitute a material deviation (major deviation) may be waived by Procuring Agency,


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provided such waiver does not prejudice or affect the relative ranking of any other bidders.

(A). Major (material) Deviations include:-

- (i) has been not properly signed;
- (ii) is not accompanied by the bid security of required amount and manner;
- (iii) stipulating price adjustment when fixed price bids were called for;
- (iv) failing to respond to specifications;
- (v) failing to comply with Mile-stones/Critical dates provided in Bidding Documents;
- (vi) sub-contracting contrary to the Conditions of Contract specified in Bidding Documents;
- (vii) refusing to bear important responsibilities and liabilities allocated in the Bidding Documents, such as performance guarantees and insurance coverage;
- (viii) taking exception to critical provisions such as applicable law, taxes and duties and dispute resolution procedures;
- (ix) a material deviation or reservation is one :
 - (a) which affect in any substantial way the scope, quality or performance of the works;
 - (b) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

(B) Minor Deviations

Bids that offer deviations acceptable to the Procuring Agency and which can be assigned a monetary value may be considered substantially responsive at least as to the issue of fairness. This value would however be added as an adjustment for evaluation purposes only during the detailed evaluation process.

- 16.7 The Engineer/Procuring Agency will evaluate and compare only the bids previously determined to be substantially responsive pursuant to IB.16.4 to 16.6 as per requirements given hereunder. Bids will be evaluated for complete scope of works. The prices will be compared on the basis of the Evaluated Bid Price pursuant to IB.16.8 herein below.

Technical Evaluation: It will be examined in detail whether the works offered by the bidder complies with the Technical Provisions of the Bidding Documents. For this purpose, the bidder's data submitted with the bid in Schedule B to Bid will be compared with technical features/criteria of the works detailed in the Technical Provisions. Other technical information submitted with the bid regarding the Scope of Work will also be reviewed.

16.8 Evaluated Bid Price

In evaluating the bids, the Engineer/Procuring Agency will determine for each bid in addition to the Bid Price, the following factors (adjustments) in the manner and to the extent indicated below to determine the Evaluated Bid Price:

- (i) making any correction for arithmetic errors pursuant to IB.16.4 hereof.

- (ii) discount, if any, offered by the bidders as also read out and recorded at the time of bid opening.
- (iii) excluding provisional sums and the provisions for contingencies in the Bill of Quantities if any, but including Day work, where priced competitively.

IB.17 Process to be Confidential


17.1 Subject to IB.16.3 heretofore, no bidder shall contact Engineer/Procuring Agency on any matter relating to its Bid from the time of the Bid opening to the time the bid evaluation result is announced by the Procuring Agency. The evaluation result shall be announced at least seven (07) days prior to award of Contract (SPP Rule 45). The announcement to all bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated.

17.2 Any effort by a bidder to influence Engineer/Procuring Agency in the Bid evaluation, Bid comparison or Contract Award decisions may result in the rejection of his Bid. Whereas any bidder feeling aggrieved, may lodge a written complaint to Complaint Redressal Committee as per terms and conditions mentioned in SPP Rules 31 & 32. However, mere fact of lodging a complaint shall not warrant suspension of procurement process.

17.3 Bidders may be excluded if involved in "Corrupt and Fraudulent Practices" means either one or any combination of the practices given below SPP Rule 2(q);

- (i) "Coercive Practice" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
- (ii) "Collusive Practice" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
- (iii) "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
- (iv) "Fraudulent Practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (v) "Obstructive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

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F. AWARD OF CONTRACT

IB.18. Post Qualification

- 18.1 The Procuring Agency, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in contractor's capacities, may require the contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided, that such qualification shall only be laid down after recording reasons therefore in writing. They shall form part of the records of that Bid evaluation report.

- 18.2 The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidders' qualifications submitted under B.11, as well as such other information required in the Bidding Documents.

IB.19 Award Criteria & Procuring Agency's Right

- 19.1 Subject to IB.19.2, the Procuring Agency will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be qualified to satisfactory perform the Contract in accordance with the provisions of the IB.18.
- 19.2 Notwithstanding IB.19.1, the Procuring Agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation to inform the affected bidders of the grounds for the Procuring Agency's action except that the grounds for its rejection of all bids shall upon request be communicated, to any bidder who submitted a bid, without justification of the grounds. Notice of the rejection of all the bids shall be given promptly to all the bidders (SPP Rule 25).

IB.20 Notification of Award & Signing of Contract Agreement


- 20.1 Prior to expiration of the period of bid validity prescribed by the Procuring Agency, the Procuring Agency will notify the successful bidder in writing ("Letter of Acceptance") that his bid has been accepted (SPP Rule 49).
- 20.2 Within seven (07) days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Procuring Agency will send the successful bidder the Form of Contract Agreement provided in the Bidding Documents, incorporating all agreements between the parties.
- 20.3 The formal Agreement between the Procuring Agency and the successful bidder duly stamped at rate of ---% of bid price(updated from time to time) stated in Letter of Acceptance shall be executed within seven (07) days of the receipt of Form of Contract Agreement by the successful bidder from the Procuring Agency.

IB.21 Performance Security

- 21.1 The successful bidder shall furnish to the Procuring Agency a Performance Security in the form and the amount stipulated in the Conditions of Contract within a period of fourteen (14) days after the receipt of Letter of Acceptance (SPP 39).
- 21.2 Failure of the successful bidder to comply with the requirements of Sub-Clauses IB.20.2 & 20.3 or 21.1 or Clause IB.22 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.
- 21.3 Publication of Award of Contract: within seven days of the award of contract, the procuring shall publish on the website of the authority and on its own website, if such a website exists, the results of the bidding process, identifying the bid through procurement identifying Number if any and the following information:
- (1) Evaluation Report;
 - (2) Form of Contract and letter of Award;
 - (3) Bill of Quantities or Schedule of Requirements. (SPP Rule 50)

IB.22 Integrity Pact The Bidder shall sign and stamp the Form of Integrity Pact provided at Schedule-F to Bid in the Bidding Document for all Sindh Government procurement contracts exceeding Rupees ten (10) million. Failure to provide such Integrity Pact shall make the bid non-responsive (SPP Rule 89).

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BIDDING DATA

(This section should be filled in by the Engineer/Procuring Agency before issuance of the Bidding Documents. The following specific data for the works to be tendered shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.)

Instructions to Bidders

Clause Reference

1.1 Name of Procuring Agency:
Executive Engineer
Education Works Division Larkana

(Insert name of the Procuring Agency)

Brief Description of Works

5.1 (a) Procuring Agency's address:
NEAR HIGH COURT BUILDING, CMC ROAD
LARKANA.

(Insert address of the Procuring Agency with telex/fax)

(b) Engineer's address:


(Insert name and address of the Engineer, if any, with telex/fax.)

10.3 Bid shall be quoted entirely in Pak. Rupees. The payment shall be made in Pak. Rupees.

11.2 The bidder has the financial, technical and constructional capability necessary to perform the Contract as follows: (Insert required capabilities and documents)

- i. Financial capacity: (must have turnover of Rs-----Million);
- ii. Technical capacity: (mention the appropriate category of registration with PEC and qualification and experience of the staff);
- iii. Construction Capacity: (mention the names and number of equipments required for the work).

Signature


Executive Engineer
Education Works Division
LARKANA

- 12.1 (a) A detailed description of the Works, essential technical and performance characteristics.
- (b) Complete set of technical information, description data, literature and drawings as required in accordance with Schedule B to Bid, Specific Works Data. This will include but not be limited to a sufficient number of drawings, photographs, catalogues, illustrations and such other information as is necessary to illustrate clearly the significant characteristics such as general construction dimensions and other relevant information about the works to be performed.

13.1 Amount of Bid Security

2%.

(Fill in lump sum amount or in % age of bid amount /estimated cost, but not below 1% and not exceeding 5%)

14.1 Period of Bid Validity

(Fill in "number of days" not exceeding 90)

14.4 Number of Copies of the Bid to be submitted:

One original plus - copies.

14.6 (a) Procuring Agency's Address for the Purpose of Bid Submission

(insert postal address or location of bid box for delivery by hand)

15.1 Deadline for Submission of Bids

Time: 3.00 AM/PM on - 2015

16.1 Venue, Time, and Date of Bid Opening

Venue: Near High Court Building CMC Road

Time: 2.00 PM Date: - 2015 Larkana

16.4 Responsiveness of Bids

- (i) Bid is valid till required period,

Contractor

D. H. H. S.
Executive Engineer,
Municipal Works Division
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- * (ii) Bid prices are firm during currency of contract/Price adjustment;
- (iii) Completion period offered is within specified limits,
- (iv) Bidder is eligible to Bid and possesses the requisite experience, capability and qualification.
- (v) Bid does not deviate from basic technical requirements and
- (vi) Bids are generally in order, etc.

*Procuring agency can adopt either of two options. *(Select either of them)*

- (a) **Fixed Price contract:** In these contracts no escalation will be provided during currency of the contract and normally period of completion of these works is upto 12 months.
- (b) **Price adjustment contract:** In these contracts escalation will be paid only on those items and in the manner as notified by Finance Department, Government of Sindh, after bid opening during currency of the contract.

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FORM OF BID AND SCHEDULES TO BID

Contractor



Executive Engineer
Education Works Division
LARKANA

**FORM OF BID
(LETTER OF OFFER)**

Bid Reference No. _____

(Name of Works)

To:

Executive Engineer
Education Works
Division Larkana

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Contract Data, Specifications, Drawings, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named works, we, the undersigned, being a company doing business under the name of and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said Documents!
2. We understand that all the Schedules attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Bid is accepted, to execute the ~~Performance~~ Security

~~Contract~~

Executive Engineer
Education Works Division

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referred to in Conditions of Contract for the due performance of the Contract.

8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

Dated this _____ day of _____, 20

Signature _____

in the capacity of _____ duly authorized to sign bid for and on behalf of
(Name of Bidder in Block Capitals)

(Seal)

Address


Witness:

(Signature) _____

Name: _____

Address: _____

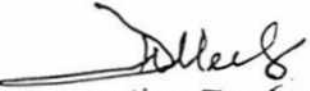
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[SCHEDULES TO BID INCLUDE THE FOLLOWING:

- Schedule A to Bid: Schedule of Prices
- Schedule B to Bid: Specific Works Data
- Schedule C to Bid: Works to be Performed by Subcontractors
- Schedule D to Bid: Proposed Program of Works
- Schedule E to Bid: Method of Performing Works
- Schedule F to Bid: Integrity Pact]

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SCHEDULE – A TO BID

SCHEDULE OF PRICES

<u>Sr. No.</u>		<u>Page No.</u>
1.	Preamble to Schedule of Prices.....	24
2.	Schedule of Prices.....	26
	* (a) Summary of Bid Prices	
	* (b) Detailed Schedule of Prices /Bill of Quantities (BOQ)	

* [To be prepared by the Engineer/Procuring Agency]

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PREAMBLE TO SCHEDULE OF PRICES

1. General

- 1.1 The Schedule of Prices shall be read in conjunction with the Conditions of Contract, Contract Data together with the Specifications and Drawings, if any.
- 1.2 The Contract shall be for the whole of the works as described in these Bidding Documents. Bids must be for the complete scope of works.

2. Description

- 2.1 The general directions and descriptions of works and materials are not necessarily repeated nor summarized in the Schedule of Prices. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Schedule of Prices.

3. Units & Abbreviations

- 3.1 Units of measurement, symbols and abbreviations expressed in the Bidding Documents shall comply with the Systeme Internationale d' Unites (SI Units).

(Note: The abbreviations to be used in the Schedule of Prices to be defined by the Procuring Agency).

4. Rates and Prices

- 4.1 Except as otherwise expressly provided under the Conditions of Contract, the rates and amounts entered in the Schedule of Prices shall be the rates at which the Contractor shall be paid and shall be the full inclusive value of the works set forth or implied in the Contract; except for the amounts reimbursable, if any to the Contractor under the Contract.
- 4.2 Unless otherwise stipulated in the Contract Data, the premium, rates and prices entered by the bidder shall not be subject to adjustment during the performance of the Contract.
- 4.3 All duties, taxes and other levies payable by the Contractor shall be included in the rates and prices.
- 4.4 The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Schedule of Prices and where

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SCHEDULE - A TO BID

no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works and no separate payment will be made for those items.

The rates, prices and amounts shall be entered against each item in the Schedule of Prices. Any item against which no rate or price is entered by the bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.

- 4.5 (a) The bidder shall be deemed to have obtained all information as to and all requirements related thereto which may affect the bid price.
- *(b) The Contractor shall be responsible to make complete arrangements for the transportation of the Plant to the Site.

**(Procuring Agency may modify as appropriate)*

- 4.6 The Contractor shall provide for all parts of the Works to be completed in every respect. Notwithstanding that any details, accessories, etc. required for the complete installation and satisfactory operation of the Works, are not specifically mentioned in the Specifications, such details shall be considered as included in the Contract Price.

5. Bid Prices

5.1 Break-up of Bid Prices

The various elements of Bid Prices shall be quoted as detailed by the Procuring Agency in the format of Schedule of Prices.

The bidder shall recognize such elements of the costs which he expects to incur the performance of the Works and shall include all such costs in the rates and amounts entered in the Schedule of Prices.

5.2 Total Bid Price

The total of bid prices in the Schedule of Prices shall be entered in the Summary of Bid Prices.

6. Provisional Sums and Day work

- 6.1 Provisional Sums included and so designated in the Schedule of Prices if any, shall be expended in whole or in part at the direction and discretion of the Engineer/Procuring Agency. The Contractor will only receive payment in respect of Provisional Sums, if he has been instructed by the Engineer/Procuring Agency to utilize such sums.

- 6.2 Day work rates in the contractor's bid are to be used for small additional amounts of work and only when the Engineer have given written instructions in advance for additional work to be paid for in that way.

Contractor,

[Signature]
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SCHEDULE OF PRICES – SUMMARY OF BID PRICES (Sample)

[illegible]

Contracted

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Education Works Division**

SCHEDULE OF PRICES

Item No.	Description	Quantity	Unit Rate(Rs)	Total Amount (Rs)
1. 2. 3.	I. (Civil works)			
1. 2. 3.	II. Internal sanitary and water supply.			
1. 2. 3.	III. Electrification.			
1. 2. 3.	IV. External Development works.			
1. 2. 3.	V. Miscellaneous Items			
<p>Total (to be carried to Summary of Bid Price)</p> <p>Add/ Deduct the percentage quoted above/below on the prices of items based on Composite Schedule of Rates.</p>				

Schedule B attached
separately

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SCHEDULE - B TO BID

***SPECIFIC WORKS DATA**

(To be prepared and incorporated by the Procuring Agency)

**(Note: The Procuring Agency shall spell out the information & data required to be filled out by the bidder and to furnish complementary information).*

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SCHEDULE – C TO BID

WORKS TO BE PERFORMED BY SUBCONTRACTORS*


The bidder will do the work with his own forces except the work listed below which he intends to sub-contract.

Items of Works to be Sub-Contracted	Name and address of Sub-Contractors	Statement of similar works previously executed. (attach evidence)
----------------------------------------	----------------------------------------	----------------------------------------------------------------------------

Note:

- * *The Procuring Agency should decide whether to allow subcontracting or not. In case Procuring Agency decides to allow subcontracting then following conditions shall be complied with:*
 1. No change of Sub-Contractors shall be made by the bidder without prior approval of the Procuring Agency.
 2. The truthfulness and accuracy of the statement as to the experience of Sub-Contractors is guaranteed by the bidder. The Procuring Agency's judgment shall be final as to the evaluation of the experience of Sub-Contractors submitted by the bidder.
 3. Statement of similar works shall include description, location & value of works, year completed and name & address of the clients.

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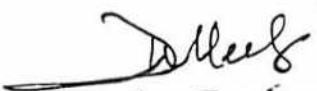

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SCHEDULE - D TO BID

PROPOSED PROGRAMME OF WORKS

Bidder shall provide a programme in a bar-chart or Program Evaluation and Review Technique (PERT) or Critical Path Method (CPM) showing the sequence of work items by which he proposes to complete the works of the entire Contract. The programme should indicate the sequence of work items and the period of time during which he proposes to complete the works including the activities like designing, schedule of submittal of drawings, ordering and procurement of materials, manufacturing, delivering, construction of civil works, erection, testing and commissioning of works to be supplied under the Contract.

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SCHEDULE - E TO BID

METHOD OF PERFORMING WORKS

The bidder is required to submit a narrative outlining the method of performing the Works. The narrative should indicate in detail and include but not be limited to:

- The sequence and methods in which he proposes to carry out the Works, including the number of shifts per day and hours per shift, he expects to work.
- A list of all major items of construction and plant erection, tools and vehicles proposed to be used in delivering/carrying out the works at site.
- The procedure for installation of equipment and transportation of equipment and materials to the site.
- Organisation chart indicating head office & field office personnel involved in management, supervision and engineering of the Works to be done under the Contract.

Contractor;


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SCHEDULE + F TO BID

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC
PAYABLE BY CONTRACTORS
(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

Contract No. _____ Dated _____
Contract Value: _____
Contract Title: _____

..... [name of Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Contractor] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

[name of Contractor] accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, [name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from PA.

Procuring Agency

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Contractor

CONDITIONS OF CONTRACT

Contractor



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Education Works Division
LARKANA




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CONDITIONS OF CONTRACT

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CONDITIONS OF CONTRACT

1. GENERAL PROVISIONS

1.1 Definitions

In the Contract as defined below, the words and expressions defined shall have the following meanings assigned to them, except where the context requires otherwise:

The Contract

1.1.1 "Contract" means the Contract Agreement and the other documents listed in the Contract Data.

1.1.2 "Specifications" means the document as listed in the Contract Data, including Procuring Agency's requirements in respect of design to be carried out by the Contractor (if any), and any Variation to such document.

1.1.3 "Drawings" means the Procuring Agency's drawings of the Works as listed in the Contract Data, and any Variation to such drawings.

Persons

1.1.4 "Procuring Agency" means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Contractor) any assignee.

1.1.5 "Contractor" means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Procuring Agency) any assignee.

1.1.6 "Party" means either the Procuring Agency or the Contractor.

Dates, Times and Periods

1.1.7 "Commencement Date" means the date fourteen (14) days after the date the Contract comes into effect or any other date named in the Contract Data.

1.1.8 "Day" means a calendar day

1.1.9 "Time for Completion" means the time for completing the Works as stated in the Contract Data (or as extended under Sub-Clause 7.3), calculated from the Commencement Date.

Money and Payments

1.1.10 "Cost" means all expenditure properly incurred (or to be incurred) by the Contractor, whether on or off the Site, including overheads and similar charges but

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Education Works Division

does not include any allowance for profit.

Other Definitions

- 1.1.11 "Contractor's Equipment" means all machinery, apparatus and other things required for the execution of the Works but does not include Materials or Plant intended to form part of the Works.
- 1.1.12 "Country" means the Islamic Republic of Pakistan.
- 1.1.13 "Procuring Agency's Risks" means those matters listed in Sub-Clause 6.1.
- 1.1.14 "Force Majeure" means an event or circumstance which makes performance of a Party's obligations illegal or impracticable and which is beyond that Party's reasonable control.
- 1.1.15 "Materials" means things of all kinds (other than Plant) to be supplied and incorporated in the Works by the Contractor.
- 1.1.16 "Plant" means the machinery and apparatus intended to form or forming part of the Works.
- 1.1.17 "Site" means the places provided by the Procuring Agency where the Works are to be executed, and any other places specified in the Contract as forming part of the Site.
- 1.1.18 "Variation" means a change which is instructed by the Engineer/Procuring Agency under Sub-Clause 10.1.
- 1.1.19 "Works" means any or all the works whether Supply, Installation, Construction etc. and design (if any) to be performed by the Contractor including temporary works and any variation thereof.
- 1.1.20 "Engineer" means the person notified by the Procuring Agency to act as Engineer for the purpose of the Contract and named as such in Contract Data.


1.2 Interpretation

Words importing persons or parties shall include firms and organisations. Words importing singular or one gender shall include plural or the other gender where the context requires.

1.3 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the priority of the documents shall be in accordance with the order as listed in the Contract Data.

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Education Works Division

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1.4 Law

The law of the Contract is the relevant Law of Islamic Republic of Pakistan.

1.5 Communications

All Communications related to the Contract shall be in English language.

1.6 Statutory Obligations

The Contractor shall comply with the Laws of Islamic Republic of Pakistan and shall give all notices and pay all fees and other charges in respect of the Works.

2. THE PROCURING AGENCY

2.1 Provision of Site

The Procuring Agency shall provide the Site and right of access thereto at the times stated in the Contract Data.

Site Investigation Reports are those that were included in the bidding documents and are factual and interpretative reports about the surface and subsurface conditions at the Site.

2.2 Permits etc.

The Procuring Agency shall, if requested by the Contractor, assist him in applying for permits, licences or approvals which are required for the Works.

2.3 Engineer's/Procuring Agency's Instructions

The Contractor shall comply with all instructions given by the Procuring Agency or the Engineer, if notified by the Procuring Agency, in respect of the Works including the suspension of all or part of the works.

2.4 Approvals

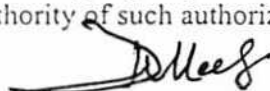
No approval or consent or absence of comment by the Engineer/Procuring Agency shall affect the Contractor's obligations.

3. ENGINEER'S/PROCURING AGENCY'S REPRESENTATIVES

3.1 Authorised Person

The Procuring Agency shall appoint a duly authorized person to act for him and on his behalf for the purposes of this Contract. Such authorized person shall be duly identified in the Contract Data or otherwise notified in writing to the Contractor as soon as he is so appointed. In either case the Procuring Agency shall notify the Contractor, in writing, the precise scope of the authority of such authorized person at the time of his appointment.

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3.2 Engineer's/Procuring Agency's Representative

The name and address of Engineer's/Procuring Agency's Representative is given in Contract Data. However the Contractor shall be notified by the Engineer/Procuring Agency, the delegated duties and authority before the Commencement of works.

4. THE CONTRACTOR

4.1 General Obligations

The Contractor shall carry out the works properly and in accordance with the Contract. The Contractor shall provide all supervision, labour, Materials, Plant and Contractor's Equipment which may be required

4.2 Contractor's Representative

The Contractor shall appoint a representative at site on full time basis to supervise the execution of work and to receive instructions on behalf of the Contractor but only after obtaining the consent of the Procuring Agency for such appointment which consent shall not be withheld without plausible reason(s) by the Procuring Agency. Such authorized representative may be substituted/ replaced by the Contractor at any time during the Contract Period but only after obtaining the consent of the Procuring Agency as aforesaid.

4.3 Subcontracting

The Contractor shall not subcontract the whole of the works. The Contractor shall not subcontract any part of the works without the consent of the Procuring Agency.

4.4 Performance Security

The Contractor shall furnish to the Procuring Agency within fourteen (14) days after receipt of Letter of Acceptance a Performance Security at the option of the bidder, in the form of Payee's order /Bank Draft or Bank Guarantee from scheduled bank for the amount and validity specified in Contract Data.

5. DESIGN BY CONTRACTOR

5.1 Contractor's Design

The Contractor shall carry out design to the extent specified, as referred to in the Contract Data. The Contractor shall promptly submit to the Engineer/Procuring Agency all designs prepared by him, within fourteen (14) days of receipt the Engineer/Procuring Agency shall notify any comments or, if the design submitted is not in accordance with the Contract, shall reject it stating the reasons. The

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Contractor shall not construct any element of the works designed by him within fourteen (14) days after the design has been submitted to the Engineer/Procuring Agency or which has been rejected. Design that has been rejected shall be promptly amended and resubmitted. The Contractor shall resubmit all designs commented on taking these comments into account as necessary.

5.2 Responsibility for Design

The Contractor shall remain responsible for his bided design and the design under this Clause, both of which shall be fit for the intended purposes defined in the Contract and he shall also remain responsible for any infringement of any patent or copyright in respect of the same. The Engineer/Procuring Agency shall be responsible for the Specifications and Drawings.

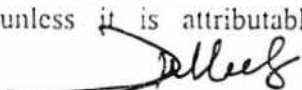
6. PROCURING AGENCY'S RISKS

6.1 The Procuring Agency's Risks

The Procuring Agency's Risks are:-

- a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies, within the Country;
- b) rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war, within the Country;
- c) riot, commotion or disorder by persons other than the Contractor's personnel and other employees including the personnel and employees of Sub-Contractors, affecting the Site and/or the Works;
- d) ionising radiations, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio-active toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear component of such an assembly, except to the extent to which the Contractor/Sub-Contractors may be responsible for the use of any radio-active material;
- e) Pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds;
- f) use or occupation by the Procuring Agency of any part of the Works, except as may be specified in the Contract;
- g) late handing over of sites, anomalies in drawings, late delivery of designs and drawings of any part of the Works by the Procuring Agency's personnel or by others for whom the Procuring Agency is responsible;
- h) a suspension under Sub-Clause 2.3 unless it is attributable to the Contractor's failure; and

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- i) physical obstructions or physical conditions other than climatic conditions, encountered on the Site during the performance of the Works, for which the Contractor immediately notified to the Procuring Agency and accepted by the Procuring Agency.

7. TIME FOR COMPLETION

7.1 Execution of the Works

The Contractor shall commence the Works on the Commencement Date and shall proceed expeditiously and without delay and shall complete the Works, subject to Sub-Clause 7.3 below, within the Time for Completion.

7.2 Programme

Within the time stated in the Contract Data, the Contractor shall submit to the Engineer/Procuring Agency a programme for the Works in the form stated in the Contract Data.

7.3 Extension of Time

The Contractor shall, within such time as may be reasonable under the circumstances, notify the Procuring Agency/Engineer of any event(s) falling within the scope of Sub-Clause 6.1 or 10.3 of these Conditions of Contract and request the Procuring Agency/Engineer for a reasonable extension in the time for the completion of works. Subject to the aforesaid, the Procuring Agency/Engineer shall determine such reasonable extension in the time for the completion of works as may be justified in the light of the details/particulars supplied by the Contractor in connection with the such determination by the Procuring Agency/Engineer within such period as may be prescribed by the Procuring Agency/Engineer for the same; and the Procuring Agency may extend the time for completion as determined.

7.4 Late Completion

If the Contractor fails to complete the Works within the Time for Completion, the Contractor's only liability to the Procuring Agency for such failure shall be to pay the amount as liquidity damages stated in the Contract Data for each day for which he fails to complete the Works.

8. TAKING-OVER

8.1 Completion

The Contractor may notify the Engineer/Procuring Agency when he considers that the Works are complete.

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8.2 Taking-Over Notice

Within fourteen (14) days of the receipt of the said notice of completion from the Contractor the Procuring Agency/Engineer shall either takeover the completed works and issue a Certificate of Completion to that effect or shall notify the Contractor his reasons for not taking-over the works. While issuing the Certificate of Completion as aforesaid, the Procuring Agency/Engineer may identify any outstanding items of work which the Contractor shall undertake during the Maintenance Period.

9. REMEDYING DEFECTS

9.1 Remedying Defects

The Contractor shall for a period stated in the Contract Data from the date of issue of the Certificate of Completion carry out, at no cost to the Procuring Agency, repair and rectification work which is necessitated by the earlier execution of poor quality of work or use of below specifications material in the execution of Works and which is so identified by the Procuring Agency/Engineer in writing within the said period. Upon expiry of the said period, and subject to the Contractor's faithfully performing his aforesaid obligations, the Procuring Agency/Engineer shall issue a Maintenance Certificate whereupon all obligations of the Contractor under this Contract shall come to an end.

Failure to remedy any such defects or complete outstanding work within a reasonable time shall entitle the Procuring Agency to carry out all necessary works at the Contractor's cost. However, the cost of remedying defects not attributable to the Contractor shall be valued as a Variation.

9.2 Uncovering and Testing

The Engineer/Procuring Agency may give instruction as to the uncovering and/or testing of any work. Unless as a result of an uncovering and/or testing it is established that the Contractor's design, materials, plant or workmanship are not in accordance with the Contract, the Contractor shall be paid for such uncovering and/or testing as a Variation in accordance with Sub-Clause 10.2.

10. VARIATIONS AND CLAIMS

10.1 Right to Vary

The Procuring Agency/Engineer may issue Variation Order(s) in writing. Where for any reason it has not been possible for the Procuring Agency/Engineer to issue such Variations Order(s), the Contractor may confirm any verbal orders given by the Procuring Agency/Engineer in writing and if the same are not refuted/denied by the Procuring Agency/Engineer within ten (10) days of the receipt of such confirmation the same shall be deemed to be a Variation Orders for the purposes of this Sub-Clause.

Contractor:

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10.2 Valuation of Variations

Variations shall be valued as follows:

- a) at a lump sum price agreed between the Parties, or
- b) where appropriate, at rates in the Contract, or
- c) in the absence of appropriate rates, the rates in the Contract shall be used as the basis for valuation, or failing which
- d) at appropriate new rates, as may be agreed or which the Engineer/Procuring Agency considers appropriate, or
- e) if the Engineer/Procuring Agency so instructs, at day work rates set out in the Contract Data for which the Contractor shall keep records of hours of labour and Contractor's Equipment, and of Materials, used.

10.3 Changes in the Quantities.

- a) If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 1 percent of the Initial Contract Price, the Procuring Agency/Engineer shall adjust the rate to allow for the change and will be valued as per sub clause 10.2.
- b) The Engineer shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 15 percent, except with the prior approval of the Procuring Agency.
- c) If requested by the Engineer, the contractor shall provide the Engineer with a detailed cost breakdown of any rate in the Bill of Quantities.

10.4 Early Warning

The Contractor shall notify the Engineer/Procuring Agency in writing as soon as he is aware of any circumstance which may delay or disrupt the Works, or which may give rise to a claim for additional payment.

To the extent of the Contractor's failure to notify, which results to the Engineer/Procuring Agency being unable to keep all relevant records or not taking steps to minimise any delay, disruption, or Cost, or the value of any Variation, the Contractor's entitlement to extension of the Time for Completion or additional payment shall be reduced/rejected.

10.5 Valuation of Claims

If the Contractor incurs Cost as a result of any of the Procuring Agency's Risks, the Contractor shall be entitled to the amount of such Cost. If as a result of any

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Procuring Agency's Risk, it is necessary to change the Works, this shall be dealt with as a Variation subject to Contractor's notification for intention of claim to the Engineer/Procuring Agency within fourteen (14) days of the occurrence of cause.

10.6 Variation and Claim Procedure

The Contractor shall submit to the Engineer/Procuring Agency an itemised detailed breakdown of the value of variations and claims within twenty eight (28) days of the instruction or of the event giving rise to the claim. The Engineer/Procuring Agency shall check and if possible agree the value. In the absence of agreement, the Procuring Agency shall determine the value.

11. CONTRACT PRICE AND PAYMENT

11.1 (a) Terms of Payments

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall, subject to Clause 11.3, be paid by the Procuring Agency to the Contractor within 30 days after such Interim Payment Certificate has been jointly verified by Procuring Agency and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 11.5, within 60 days after such Final Payment Certificate has been jointly verified by Procuring Agency and Contractor;

Provided that the Interim Payment shall be caused in thirty (30) days and Final Payment in 60 days in case of foreign funded project. In the event of the failure of the Procuring Agency to make payment within 90 days then Procuring Agency shall pay to the Contractor compensation at the 28 days rate of KIBOR+2% per annum in local currency and LIBOR+1% for foreign currency, upon all sums unpaid from the date by which the same should have been paid.

(b) Valuation of the Works

The Works shall be valued as provided for in the Contract Data, subject to Clause 10.

11.2 Monthly Statements

The Contractor shall be entitled to be paid at monthly intervals:

- a) the value of the Works executed less to the cumulative amount paid previously; and
- b) value of secured advance on the materials and valuation of variations (if any).

The Contractor shall submit each month to the Engineer/Procuring Agency a statement showing the amounts to which he considers himself entitled.

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11.3 Interim Payments

Within a period not exceeding seven (07) days from the date of submission of a statement for interim payment by the Contractor, the Engineer shall verify the same and within a period not exceeding thirty (30/60) days from the said date of submission by the Contractor, the Procuring Agency shall pay to the Contractor the sum subject to adjustment for deduction of the advance payments and retention money.

11.4 Retention

Retention money shall be paid by the Procuring Agency to the Contractor within fourteen (14) days after either the expiry of the period stated in the Contract Data, or the remedying of notified defects, or the completion of outstanding work, all as referred to in Sub-Clause 9.1, whichever is the later.

11.5 Final Payment

Within twenty one (21) days from the date of issuance of the Maintenance Certificate the Contractor shall submit a final account to the Engineer to verify and the Engineer shall verify the same within fourteen (14) days from the date of submission and forward the same to the Procuring Agency together with any documentation reasonably required to enable the Procuring Agency to ascertain the final contract value.

Within sixty (60) days from the date of receipt of the verified final account from the Engineer, the Procuring Agency shall pay to the Contractor any amount due to the Contractor. While making such payment the Procuring Agency may, for reasons to be given to the Contractor in writing, withhold any part or parts of the verified amount.

11.6 Currency

Payment shall be in the currency stated in the Contract Data.

12. DEFAULT

12.1 Defaults by Contractor

If the Contractor abandons the Works, refuses or fails to comply with a valid instruction of the Engineer/Procuring Agency or fails to proceed expeditiously and without delay, or is, despite a written complaint, in breach of the Contract, the Procuring Agency may give notice referring to this Sub-Clause and stating the default.

If the Contractor has not taken all practicable steps to remedy the default within fourteen (14) days after receipt of the Procuring Agency's notice, the Procuring Agency may by a second notice given within a further twenty one (21) days, terminate the Contract. The Contractor shall then demobilize from the Site leaving behind any Contractor's Equipment which the Procuring Agency instructs, in the second notice, to be used for the completion of the Works at the risk and cost of the Contractor.

[Signature]
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12.2 Defaults by Procuring Agency

If the Procuring Agency fails to pay in accordance with the Contract, or is, despite a written complaint, in breach of the Contract, the Contractor may give notice referring to this Sub-Clause and stating the default. If the default is not remedied within fourteen (14) days after the Procuring Agency's receipt of this notice, the Contractor may suspend the execution of all or parts of the Works.

If the default is not remedied within twenty eight (28) days after the Procuring Agency's receipt of the Contractor's notice, the Contractor may by a second notice given within a further twenty one (21) days, terminate the Contract. The Contractor shall then demobilise from the Site.

12.3 Insolvency

If a Party is declared insolvent under any applicable law, the other Party may by notice terminate the Contract immediately. The Contractor shall then demobilise from the site leaving behind, in the case of the Contractor's insolvency, any Contractor's Equipment which the Procuring Agency instructs in the notice is to be used for the completion of the Works.

12.4 Payment upon Termination

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the works executed and of the Materials and Plant reasonably delivered to the site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) any sums to which the Procuring Agency is entitled,
- c) if the Procuring Agency has terminated under Sub-Clause 12.1 or 12.3, the Procuring Agency shall be entitled to a sum equivalent to twenty percent (20%) of the value of parts of the Works not executed at the date of the termination, and
- d) if the Contractor has terminated under Sub-Clause 12.2 or 12.3, the Contractor shall be entitled to the cost of his demobilisation together with a sum equivalent to ten percent (10%) of the value of parts of the works not executed at the date of termination.

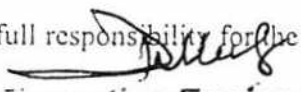
The net balance due shall be paid or repaid within twenty eight (28) days of the notice of termination.

13. RISKS AND RESPONSIBILITIES

13.1 Contractor's Care of the Works

Subject to Sub-Clause 9.1, the Contractor shall take full responsibility for the care

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of the Works from the Commencement Date until the date of the Procuring Agency's/Engineer's issuance of Certificate of Completion under Sub-Clause 8.2. Responsibility shall then pass to the Procuring Agency. If any loss or damage happens to the Works during the above period, the Contractor shall rectify such loss or damage so that the Works conform with the Contract.

Unless the loss or damage happens as a result of any of the Procuring Agency's Risks, the Contractor shall indemnify the Procuring Agency, or his agents against all claims loss, damage and expense arising out of the Works.

13.2 Force Majeure

If Force Majeure occurs, the Contractor shall notify the Engineer/Procuring Agency immediately. If necessary, the Contractor may suspend the execution of the Works and, to the extent agreed with the Procuring Agency demobilize the Contractor's Equipment.

If the event continues for a period of eighty four (84) days, either Party may then give notice of termination which shall take effect twenty eight (28) days after the giving of the notice.

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) the cost of his demobilization, and
- c) less any sums to which the Procuring Agency is entitled.

The net balance due shall be paid or repaid within thirty five (35) days of the notice of termination.

14. INSURANCE

14.1 Arrangements

The Contractor shall, prior to commencing the Works, effect insurances of the types, in the amounts and naming as insured the persons stipulated in the Contract Data except for items (a) to (c) and (i) of the Procuring Agency's Risks under Sub-Clause 6.1. The policies shall be issued by insurers and in terms approved by the Procuring Agency. The Contractor shall provide the Engineer/Procuring Agency with evidence that any required policy is in force and that the premiums have been paid.

14.2 Default

If the Contractor fails to effect or keep in force any of the insurances referred to in the previous Sub-Clause, or fails to provide satisfactory evidence, policies or receipts, the Procuring Agency may, without prejudice to any other right or

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remedy, effect insurance for the cover relevant to such as a default and pay the premiums due and recover the same plus a sum in percentage given in Contractor Data from any other amounts due to the Contractor.

15. RESOLUTION OF DISPUTES

15.1 Engineer's Decision

If a dispute of any kind whatsoever arises between the Procuring Agency and the Contractor in connection with the works, the matter in dispute shall, in the first place, be referred in writing to the Engineer, with a copy to the other party. Such reference shall state that it is made pursuant to this Clause. No later than the twenty eight (28) days after the day on which he received such reference, the Engineer shall give notice of his decision to the Procuring Agency (Superintending Engineer) and the Contractor.

Unless the Contract has already been repudiated or terminated, the Contractor shall, in every case, continue to proceed with the work with all due diligence, and the Contractor and the Procuring Agency (Superintending Engineer) shall give effect forthwith to every such decision of the Engineer unless and until the same shall be revised, as hereinafter provided in an arbitral award.

15.2 Notice of Dissatisfaction


If a Party is dissatisfied with the decision of the Engineer of consultant or if no decision is given within the time set out in Sub-Clause 15.1 here above, the Party may give notice of dissatisfaction referring to this Sub-Clause within fourteen (14) days of receipt of the decision or the expiry of the time for the decision. If no notice of dissatisfaction is given within the specified time, the decision shall be final and binding on the Parties. If notice of dissatisfaction is given within the specified time, the decision shall be binding on the Parties who shall give effect to it without delay unless and until the decision of the Engineer is revised by an arbitrator.

If a contractor is dissatisfied with the decision of the Engineer of the department or decision is not given in time then he can approach Superintending Engineer within 14 days, in case of dissatisfaction with decision of Superintending Engineer or not decided within 28 days, then arbitration process would be adopted as per clause 15.3.

15.3 Arbitration

A dispute which has been the subject of a notice of dissatisfaction shall be finally settled as per provisions of Arbitration Act 1940 (Act No. X of 1940) and Rules made there under and any statutory modifications thereto. Any hearing shall be held at the place specified in the Contract Data and in the language referred to in Sub-Clause 1.5.

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INTEGRITY PACT

16.1. If the Contractor or any of his Sub-Contractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Schedule-F to his Bid, then the Procuring Agency shall be entitled to:

- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Sub-Contractors, agents or servants;
- (b) terminate the Contract; and
- (c) recover from the Contractor any loss or damage to the Procuring Agency as a result of such termination or of any other corrupt business practices of the Contractor or any of his Sub-Contractors, agents or servants.

On termination of the Contract under Sub-Para (b) of this Sub-Clause, the Contractor shall demobilize from the site leaving behind Contractor's Equipment which the Procuring Agency instructs, in the termination notice, to be used for the completion of the works at the risk and cost of the Contractor. Payment upon such termination shall be made under Sub-Clause 12.4, in accordance with Sub-Para (c) thereof, after having deducted the amounts due to the Procuring Agency under Sub-Para (a) and (c) of this Sub-Clause.

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CONTRACT DATA

(Note: Except where otherwise indicated, all Contract Data should be filled in by the Procuring Agency prior to issuance of the Bidding Documents.)

Sub-Clauses of Conditions of Contract

1.1.3 Procuring Agency's Drawings, if any
(To be listed by the Procuring Agency)

1.1.4 The Procuring Agency means

1.1.5 The Contractor means

1.1.7 Commencement Date means the date of issue of Engineer's Notice to Commence which shall be issued within fourteen (14) days of the signing of the Contract Agreement.

1.1.9 Time for Completion _____ days

(The time for completion of the whole of the Works should be assessed by the Procuring Agency)


1.1.20 Engineer (mention the name along with the designation including whether he belongs to department or consultant) and other details

1.3 Documents forming the Contract listed in the order of priority:

- (a) The Contract Agreement
- (b) Letter of Acceptance
- (c) The completed Form of Bid
- (d) Contract Data
- (e) Conditions of Contract
- (f) The completed Schedules to Bid including Schedule of Prices
- (g) The Drawings, if any
- (h) The Specifications
- (i) _____
- (j) _____

(The Procuring Agency may add, in order of priority, such other documents as form part of the Contract. Delete the document, if not applicable)

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2.1 Provision of Site: On the Commencement Date

3.1 Authorized person: _____

3.2 Name and address of Engineer's/Procuring Agency's representative

4.4 Performance Security:

Amount _____

Validity _____

(Form: As provided under Standard Forms of these Documents)

5.1 Requirements for Contractor's design (if any):

Specification Clause No's _____

7.2 Programme:

Time for submission: Within fourteen (14) days* of the Commencement Date.

Form of programme: _____ (Bar Chart/CPM/PERT or other)

7.4 Amount payable due to failure to complete shall be ___% per day up to a maximum of (10%) of sum stated in the Letter of Acceptance

(Usually the liquidated damages are set between 0.05 percent and 0.10 percent per day.)

7.5 Early Completion

In case of earlier completion of the Work, the Contractor is entitled to be paid bonus up-to limit and at a rate equivalent to 50% of the relevant limit and rate of liquidated damages stated in the contract data.

9.1 Period for remedying defects

10.2 (c) Variation procedures:

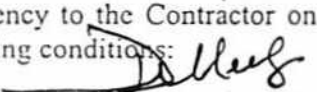
Day work rates _____
_____ (details)

11.1 Terms of Payments

a) Mobilization Advance

- (1) Mobilization Advance up to 10 % of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Agency to the Contractor on the works costing Rs.2.5 million or above on following conditions:

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- (i) on submission by the Contractor of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan to the Procuring Agency;
- (ii) Contractor will pay interest on the mobilization advance at the rate of 10% per annum on the advance; and
- (iii) This Advance including the interest shall be recovered in 5 equal installments from the five (05) R.A bills and in case the number of bills is less than five (05) then $1/5^{\text{th}}$ of the advance inclusive of the interest thereon shall be recovered from each bill and the balance together with interest be recovered from the final bill. It may be insured that there is sufficient amount in the final bill to enable recovery of the Mobilization Advance.

OR

2) Secured Advance on Materials

- (a) The Contractor shall be entitled to receive from the Procuring Agency Secured Advance against an INDENTURE BOND in P W Account Form No. 31(Fin. R. Form No. 2 acceptable to the Procuring Agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:
 - (i) The materials are in accordance with the Specifications for the Permanent Works;
 - (ii) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction and verification of the Engineer but at the risk and cost of the Contractor;
 - (iii) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
 - (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore;
 - (v) Ownership of such materials shall be deemed to vest in the Procuring Agency and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Procuring Agency;
 - (vi) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of stands other materials;

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- (vii) Secured Advance should not be allowed unless & until the previous advance, if any, fully recovered;
- (viii) Detailed account of advances must be kept in part II of running account bill; and
- (ix) Secured Advance may be permitted only against materials/quantities anticipated to be consumed / utilized on the work within a period of 3 months from the date of issue of secured advance and definitely not for full quantities of materials for the entire work/contract

(b) Recovery of Secured Advance:

- (i) Secured Advance paid to the Contractor under the above provisions shall be effected from the monthly payments on actual consumption basis, but not later than period specified in the rules not more than three months (even if unutilized); other conditions.
- (ii) As recoveries are made the outstanding accounts of the items concerned in Part II should be reduced by making deduction entries in the column; "deduct quantity utilized in work measured since previous bill," equivalent to the quantities of materials used by the contractor on items of work shown as executed in part I of the bill.

(c) Interim payments: The Contractor shall submit to the Engineer monthly statements of the estimated value of the work completed less the cumulative amount certified previously.

- (i) The value of work completed comprises the value of the quantities of the items in the Bill of Quantities completed.
- (ii) value of secured advance on the materials and valuation of variations (if any).
- (iii) Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.
- (v) Retention money and other advances are to be recovered from the bill submitted by contractor.

11.2 *(a) Valuation of the Works:

- i) Lump sum price _____ (details), or
- ii) Lump sum price with schedules of rates _____ (details), or
- iii) Lump sum price with bill of quantities _____ (details), or
- iv) Re-measurement with estimated/bid quantities in the Schedule of Prices or on premium above or below quoted on the rates mentioned in CSR _____ (details) or/and
- v) Cost reimbursable _____ (details)

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11.3 Percentage of retention*: five (5%)

11.6 Currency of payment: Pak. Rupees

14.1 Insurances: (Procuring Agency may decide, keeping in view the nature and the scope of the work)

Type of cover

The Works

Amount of cover

The sum stated in the Letter of Acceptance plus fifteen percent (15%)

Type of cover

Contractor's Equipment:

Amount of cover

Full replacement cost

Type of cover

Third Party-injury to persons and damage to property

(The minimum amount of third party insurance should be assessed by the Procuring Agency and entered).

Workers:

Other cover*:

(In each case name of insured is Contractor and Procuring Agency)

14.2 Amount to be recovered

Premium plus _____ percent (____%).

15.3 Arbitration**

Place of Arbitration: _____

* (Procuring Agency to specify as appropriate)

** (It has to be in the Province of Sindh)


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STANDARD FORMS

(Note: Standard Forms provided in this document for securities are to be issued by a bank. In case the bidder chooses to issue a bond for accompanying his bid or performance of contract or receipt of advance, the relevant format shall be tailored accordingly without changing the spirit of the Forms of securities).

11/08/2011


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FORM OF BID SECURITY
(Bank Guarantee)

Guarantee No. _____
Executed on _____

(Letter by the Guarantor to the Procuring Agency)

Name of Guarantor (Scheduled Bank in Pakistan) with
address: _____

Name of Principal (Bidder) with
address: _____

Sum of Security (express in words and
figures): _____

Bid Reference No. _____ Date of Bid _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal, we the Guarantor above-named are held and firmly bound unto the _____, (hereinafter called The "Procuring Agency") in the sum stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid numbered and dated as above for _____ (Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering the said Bid that the Principal furnishes a Bid Security in the above said sum to the Procuring Agency, conditioned as under:

- (1) that the Bid Security shall remain valid for a period of twenty eight (28) days beyond the period of validity of the bid;
- (2) that in the event of;
 - (a) the Principal withdraws his Bid during the period of validity of Bid, or
 - (b) the Principal does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) of Instructions to Bidders, or
 - (c) failure of the successful bidder to
 - (i) furnish the required Performance Security, in accordance with Sub-Clause IB-21.1 of Instructions to Bidders, or
 - (ii) sign the proposed Contract Agreement, in accordance with Sub-Clauses IB-20.2 & 20.3 of Instructions to Bidders.

the entire sum be paid immediately to the said Procuring Agency for delayed completion and not as penalty for the successful bidder's failure to perform.

NOW THEREFORE, if the successful bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract Agreement with the said Procuring Agency in accordance with his Bid as accepted and furnish within fourteen (14) days of receipt of Letter of Acceptance, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring Agency for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Guarantor shall forthwith pay to the Procuring Agency the said sum stated above upon first written demand of the Procuring Agency without cavil or argument and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring Agency by registered post duly addressed to the Guarantor at its address given above.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Guarantor shall pay without objection the sum stated above upon first written demand from the Procuring Agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above bounded Guarantor has executed the instrument under its seal on the date indicated above, the name and seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

Guarantor (Bank)

Witness:

1. Signature _____

1. _____

2. Name _____

Corporate Secretary (Seal)

3. Title _____

2. _____

(Name, Title & Address)

Corporate Guarantor (Seal)

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Education Works Division
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Contractor

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____
Executed on _____
Expiry Date _____

(Letter by the Guarantor to the Procuring Agency)

Name of Guarantor (Scheduled Bank in Pakistan) with
address: _____

Name of Principal (Contractor) with
address: _____

Penal Sum of Security (express in words and
figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Procuring Agency) in the penal sum of the amount stated above, for the payment of which sum well and truly to be made to the said Procuring Agency, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Procuring Agency's above said Letter of Acceptance for _____
_____ (Name of Contract) for the _____
_____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Procuring Agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of the said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 9, Remedying Defects, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall

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be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Procuring Agency without delay upon the Procuring Agency's first written demand without cavil or arguments and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Procuring Agency's written declaration that the Principal has refused or failed to perform the obligations under the Contract, for which payment will be effected by the Guarantor to Procuring Agency's designated Bank & Account Number.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Procuring Agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above bounded Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Witness:

1. _____

Corporate Secretary (Seal)

2. _____

(Name, Title & Address)

Guarantor (Bank)


1. Signature _____

2. Name _____

3. Title _____

Corporate Guarantor (Seal)

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FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of _____ 200____ between _____ (hereinafter called the "Procuring Agency") of the one part and _____ (hereinafter called the "Contractor") of the other part.


WHEREAS the Procuring Agency is desirous that certain Works, viz _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda, if any except those parts relating to Instructions to Bidders, shall be deemed to form and be read and construed as part of this Agreement, viz:
 - (a) The Letter of Acceptance;
 - (b) The completed Form of Bid along with Schedules to Bid;
 - (c) Conditions of Contract & Contract Data;
 - (d) The priced Schedule of Prices/Bill of quantities (BoQ);
 - (e) The Specifications; and
 - (f) The Drawings
3. In consideration of the payments to be made by the Procuring Agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Agency to execute and complete the Works and remedy defects therein in conformity and in all respects within the provisions of the Contract.

The Procuring Agency hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Contractor


Executive Engineer
Education Works Division
LARKANA

IN WITNESS WHEREOF the parties hereto have caused this Contract Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

(Seal)

Signature of the Procuring Agency

(Seal)

Signed, Sealed and Delivered in the presence of:


Witness:

Witness:

(Name, Title and Address)

(Name, Title and Address)

Contractor


Executive Engineer
Education Works Division
LARKANA

MOBILIZATION ADVANCE GUARANTEE

Guarantee No. _____

Executed on _____

(Letter by the Guarantor to the Procuring Agency)

WHEREAS the _____ (hereinafter
called the Procuring Agency) has entered into a Contract for

_____ (Particulars of Contract), with

_____ (hereinafter called the Contractor).

AND WHEREAS the Procuring Agency has agreed to advance to the Contractor, at the Contractor's request, an amount of Rs. _____ Rupees _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS the Procuring Agency has asked the Contractor to furnish Guarantee to secure the advance payment for the performance of his obligations under the said Contract.

AND WHEREAS _____ (Scheduled Bank) (hereinafter called the Guarantor) at the request of the Contractor and in consideration of the Procuring Agency agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW THEREFORE the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails, and commits default in fulfillment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Procuring Agency for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the Procuring Agency shall be the sole and final judge, as aforesaid, on the part of the Contractor, shall be given by the Procuring Agency to the Guarantor, and on such first written demand payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

Contractor

Executive Engineer
Education Works Division

This Guarantee shall come into force as soon as the advance payment has been credited to the account of the Contractor.

This Guarantee shall expire not later than _____
by which date we must have received any claims by registered letter, telegram, telex or telefax.

It is understood that you will return this Guarantee to us on expiry or after settlement of the total amount to be claimed hereunder.

Guarantor (Scheduled Bank)

Witness:

1. _____

Corporate Secretary (Seal)

2. _____

(Name, Title & Address)


1. Signature _____

2. Name _____

3. Title _____

Corporate Guarantor (Seal) |

Contractor


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Education Works Division
LARKANA

INDENTURE FOR SECURED ADVANCES.

(For use in cases in which is contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time).

This INDENTURE made the day of
.....-197--" BETWEEN (hereinafter called "the Contractor" which expression shall where the context so admits or implied be deemed to include his heirs, executors, administrators and assigns) of the one part and THE GOVERNOR OF SINDH (hereinafter called "the Government" of the other part).

WHEREAS by an agreement, dated (hereinafter called the said agreement, the contractor has agreed to perform the under-mentioned works (hereinafter referred to as the said work):-

(Here enter (the description of the works).¹

AND WHEREAS the contractor has applied to the
—..... for an advance to him of Rupees
(Rs.) on the security of materials absolutely belonging to him and brought by him to the site of the said works the subject of the said agreement for use in the construction of such of the said works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charge) AND WHEREAS the Government has agreed to advance to the Contractor the sum of Rupees, (Rs.) on the security of materials the quantities and other particulars of which are detailed in Part II of Running Account Bill (E). the said works signed by the contractor
Fin R. Form. 17.A
on — and on such covenants and conditions as are hereinafter contained and the Government has reserved to itself the option of marking any further advance or advances on the security of other materials brought by the Contractor to the site of the said works.

NOW THIS INDENTURE WTTNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees
(Rs.) on or before the execution of these presents paid to the Contractor by the Government (the receipt whereof the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid (all of which advances are hereinafter collectively referred to as the said amount) the Contractor doth hereby assign unto the Government the said materials by way of security for the said amount

And doth hereby covenant and agree with the Government and declare ay follow :-

(1) That the said sum of Rupees
(Rs.) so advanced by the Government to the Contractor as aforesaid and all or any further sum or sums which may be advanced aforesaid shall be employed by the contractor in or towards expending the execution of the said works and for no other purpose whatsoever.

Contractor

**Executive Engineer
Education Works Division**

LARKANQ.

- (2) That the materials detailed in the said Running Account Bill (B) which have been

Fin R Form No. 17-A

Offered to and accepted by (he Government as security for the said amount are absolutely by the Contractors own property free from encumbrances of any kind and the Contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the contractor hereby agrees, at all times, to indemnify and save harmless the Government against all claims whatsoever to any materials in respect of which an advance has been made to him as aforesaid.

- (3) That the said materials detailed in the said Running Account Bill (B) and all other

Fin. R. Form No. 17-A

Materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in the execution of the said works in accordance with the directions of the Divisional Officer----- (hereinafter called the Divisional Officer) and in the terms of the said agreement.

(4) That the Contractor shall make at his own cost all necessary and adequate arrangement for the proper watch, safe custody and protection against all risks of the said material and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and at his own risk and on his own responsibility and shall at all times be open to inspection by (he Divisional Officer or any officer authorized by him. In the event of the said materials of any part (hereof being stolen, destroyed or damaged or becoming deteriorated in a grater degree than is due to reasonable use and wear thereof Contractor will forthwith replace the same with other materials of like qualify or repair and make good the same as required by the Divisional Officer and the materials so brought to replace the said materials so repaired and made good shall also be considered as security for the said amount.

(5) 'Hurt the said materials shall not on any account be removed from the site of the said works except with the written permission of the Divisional Officer or an officer authorized by him in that behalf

(6) That the said amount shall be payable in full when or before the Contractor receives payment, from the Government of the price payable to him for the said works under the terms and provisions of the said agreement PROVIDED THAT if any intermediate payments are made to the contractor on account of work done then on the occasion of each such payment the Government will be at liberty to make a recovery from the Contractors Bill for such payment by deducting there from in the value of the said materials (hen actually used in the construction and in respect of which recovery has not been made previously the value for this purpose being determined in respect of each description of material at (he rates at which the amount of the advances made under these presents were calculated.

(7) That if the Contractor shall at any time make any default in the performance or observation in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the Government shall immediately on the happening of such default be repayable by the Contractor to the Government together with interest thereon at twelve

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Contractor

percent per annum from the date or respective dates of such advance or advances to the date or repayment and with all costs, charges, damages and expenses incurred by the Government in or for the recovery thereof or the enforcement of this security or otherwise by reason of (the default of the Contractor and any moneys so becoming due and payable shall constitute a debt due from the Contractor to the Government and the Contractor hereby covenants and agrees with the Government to repay and the same respectively to it accordingly.

(8) That the Contractor hereby charges all the said materials with the repayment to the Government of the said sum of Rupees (Rs.) and any further sum or sums which may be advanced as aforesaid and all costs charges damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the powers contained therein if and whether the covenant for payment and repayment hereinbefore contained shall become enforceable and the money owing shall not be paid to accordingly.

Once therewith the Government may at any time thereafter adopt all or any of following courses as it may deem best ;-

- (a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay the same to the Government on demand.
- (b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable to the Government under these presents and pay over the surplus (if any) to the Contractor.
- (c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

(9) That except as is expressly provided by the presents interest on the aid advance shall not be payable.

(10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been hereinbefore expressly provided for the same shall be referred to the Superintending Engineer..... Circle whose..... decision shall be final and the provisions of the Indian Arbitration Act for the time being in force so far as they are applicable shall apply to any such reference.

D. H. S.
Executive Engineer

Sindh Public Procurement Regulatory Authority | www.ppr.sindh.gov.pk Education Works Division

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Contractor

In witnesses whereof the* ----- on behalf of the
Governor of Sindh and the said ----- have hereunto set
their respective hands and seals the day and first above written.

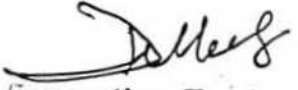
Signed, sealed and delivered by* In
the presence of

Seal
1st witness 2nd witness

Signed, sealed and delivered by* In
the presence of

Seal
1st Witness 2nd witness

Contractor


Executive Engineer
Education Works Division
LARKANO

SPECIFICATIONS

[Note for Preparing the Specifications]

A set of precise and clear specifications is a prerequisite for bidders to respond realistically and competitively to the requirements of the user without qualifying their Bids. The specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, performance of the works. Only if this is done objectives of economy, efficiency, and fairness in procurement will be realized and responsiveness of Bids can be ensured, and the subsequent task of bid evaluation can be facilitated. The specifications should require that materials to be incorporated in the works be new, unused, and of the most recent or current models, and incorporated all recent improvements in design and materials unless provided for otherwise in the contract.


Samples of specifications from similar to previous procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the works and the repetitiveness of the type of procurement, it may be advantageous to standardize the Technical Specifications that should cover all classes of workmanship, materials and equipment although not necessarily to be used in a particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized international standards should be used as much as possible. The specifications shall consider all conditions but not limited to seismic conditions, weather conditions and environmental impact. The specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Specifications.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Specifications to specific standards and codes to be met by Works to be furnished and tested, the provisions of the latest current edition or revision of the relevant shall apply, unless otherwise expressly stated in the Contract. Other authoritative standards that ensure equivalence to the standards and codes specified will be acceptable.]

Contractor


Executive Engineer
Education Works Division
LARKANA

(B.O.Q) (CIVIL WORK)

**REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS ALI GOHABAD (REHAB):
TALUKA LARKANA**

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (S.I.No.20 P/11)	3333.0	5445.00	% Cft	181,482
2	Removing door with chowkats. (S.I.No.33 (a) P/12).	12.0	142.18	P.Sft	1,706
3	Remong windows and sky light with chowkats. (S.I.No.33 (b) P/12).	31.0	102.85	P.Sft	3,188
4	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	10609.0	1285.63	% Cft	136,392
5	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	4279.0	11948.36	%Cft	511,270
6	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	5226.0	337.00	P.Cft	1,761,162
7	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust from bars.(S.I.No.8 (b) P/16)	280.00	5001.70	P.Cwt	1,400,476
8	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	20898.0	1141.25	%Cft	238,498
9	Extra Lead (1.0 Mile)	20898.0	407.00	%Cft	85,055
10	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	3810.0	3327.50	% Cft	126,778
11	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	12748.0	12674.36	%Cft	1,615,727
12	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	88.0	228.90	P.Sft	20,143
13	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fots filling with cement sand reparing i/c all carriage tools and planst used in making and fixing. (S.I.No: 28 P/ 92).	418.0	240.50	P.Sft	100,529
14	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	4.000	3550.00	P.Cwt.	14,200
15	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	84.0	23.23	P.No	2,371

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XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters) (S.I.No: 7 (b) P. 65).	364.0	902.93	P.Sft	328,667
17	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	18829.0	2206.60	%Sft	415,481
18	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	18829.0	2197.52	%Sft	413,771
19	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4. (S.I.No: 5 (f) P/ 15).	226.0	14429.25	% Cft	32,610
20	Cement pointing striking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	3798.0	1287.44	% Cft	48,897
21	Providing and fixing ornamental cement jalli 2" thick. (1:2:4) with out steel. (S.I.No.11 P/17).	132.0	226.02	P.Sft	29,835
22	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	1376.0	307.00	P. Sft	422,432
23	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	201.0	186.04	%Sft	37,394
24	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	8336.0	4411.82	%Sft	367,769
(B)	1-1/2" Thick	7364.0	2548.29	%Sft	187,656
25	Notice board made with cement. (S.I.No: 1 P/94).	288.0	58.11	P.Sft	16,736
26	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flat iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill). (S.I.No.26 P/92).	12.0	180.50	P.Sft	2,166
27	White washing three coats. (S.I.No.26 (c) P/53).	5364.0	829.95	% Sft	44,519
28	Primary coat of chalk distempering. (S.I.No.23 P/57).	16090.0	442.75	% Sft	71,238
29	Distempering three coats. (S.I.No.24 (c) P/53).	16090.0	1079.65	% Sft	173,716


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
30	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of pairs and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	4019.0	1948.10	% Sft	78,294
31	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1664.0	2116.41	% Sft	35,217
32	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	7364.0	1887.40	% Sft	138,988
				G.Total;	9,044,364


XEN

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(B.O.Q) (CIVIL WORK)

**REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS REHMATPUR
(REHAB: / ADD: 2-C/R) TALUKA LARKANA**

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	3199.00	378.13	% C.ft	12,096
2	Dismantling rolled steel beams, iron rails etc. (S.I.No.42 P/13).	91.00	126.04	P.Cwt	11,470
3	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	832.0	1285.63	% Cft	10,696
4	Remoning cement or lime plaster. (S.i.No.53 P/13).	3827.0	121.00	% Sft	4,631
5	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	1199.0	3327.50	% Cft	39,897
6	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	253.0	337.00	P.Cft	85,261
(B)	First Floor	800.0	349.10	P.Cft	279,280
7	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust from bars.(S.I.No.8 (b) P/16)	14.00	5001.70	P.Cwt	70,024
(B)	First Floor	43.00	5152.95	P.Cwt	221,577
8	Suppling of Girders at site of Works	13.00	3850.00	P.Cwt	50,050
9	Supplying of T-Iron at the site of work	13.00	3575.00	P.Cwt	46,475
10	Errection and rolled steel beams, or old rails, in roof etc errection and fixing in position. (S.I.No. P/).	108.0	186.34	P.Sft	20,125
11	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1"6 with 34 Lbs. Of hot bituman coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortor with 1/2" thick sand wiched layer of 1:6 cement mortor including 1:2 cement pointing underside of tiles complete including curing etc. (S.I.No: 1 P/32).	3199.0	11443.10	% Sft	366,065
12	Providing and laying single per layer of polythene sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	3199.0	10.70	P.Sft	34,229
13	Cement Pointing 1:2 flash on floor. (S.I.No: 18 P/52).	3199.0	939.57	% Sft	30,057


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
14	Reinforced cement concrete spout i/c fixing in position with top and bottom khuras (S.I.No:68 P105)	8.0	607.17	Each	4,857
15	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	736.0	12674.36	%Cft	93,283
(B)	First Floor	1497.0	13112.99	%Cft	196,301
16	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53).	3827.0	660.00	%Sft	25,258
17	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	6042.0	2206.60	%Sft	133,323
(B)	First Floor	3147.0	2346.60	%Sft	73,848
18	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	6042.0	2197.52	%Sft	132,774
(B)	First Floor	3147.0	2337.52	%Sft	73,562
19	Cement pointing striking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	564.0	1287.44	% Cft	7,261
20	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	35.0	228.90	P.Sft	8,012
21	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fosts filling with cement sand repairing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	216.0	240.50	P.Sft	51,948
22	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	2.000	3550.00	P.Cwt	7,100
23	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	28.0	28.23	P.No	790
24	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	390.0	902.93	P.Sft	352,143
25	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill).(S.I.No.26 P/92).	208.0	180.50	P.Sft	37,544

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
26	Cement Concreate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4. (S.I.No: 5 (f) P/ 15).	1090.0	14429.25	% Cft	157,279
27	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	6812.0	307.00	P. Sft	2,091,284
28	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	751.0	186.04	%Sft	139,716
29	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	108.0	1778.50	P.Sft	192,078
30	Notice board made with cement. (S.I.No: 1 P/94).	304.0	58.11	P.Sft	17,665
31	Making and fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2"3/8" & 3/4" sq: bars 4" centre to centre with locking arrangement. (S.I.No: 24 P. 97).	48.0	726.72	P.Sft	34,883
32	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	1290.0	4411.82	%Sft	56,912
(B)	2" Thick	1629.0	3275.50	%Sft	53,358
33	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	1771.0	3918.20 1422.58	% Sft	25,194
34	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc complete. (S.I.No: 74 P/49).	1771.0	223.97	P.Sft	396,651
35	White washing three coats. (S.I.No.26 (c) P/53).	5750.0	829.95	% Sft	47,722
36	Primary coat of chalk distempering. (S.I.No.23 P/57).	17982.0	442.75	% Sft	79,615
37	Distempering three coats. (S.I.No.24 (c) P/53).	17982.0	1079.65	% Sft	194,143
(B)	Distempering two coats.	956.0	1043.90	% Sft	9,980

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
38	Preparing the surface and painting with weather coat & rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of pairs and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	7354.0	1948.10	% Sft	143,263
39	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	2072.0	2116.41	% Sft	43,852
40	Painting guard bars , gates iron bars gratings railings i/c standard barse etc: smiler open works.	1512.0	1270.83	% Sft	19,215
				G.Total;	6,182,746


XEN

(3)

(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS KHAIR SHAH BUKHARI &
GBPS SHAH MUHAMMAD SINDHI (REHAB:) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	2134.0	3327.50	% Cft	71,009
2	Remoning cement or lime plaster. (S.i.No.53 P/13).	10174.0	121.00	% Cft	12,311
3	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	311.0	8694.95	%Cft	27,041
4	Racking and washing joints of brick masonry (old work). (S.I.No: 21 P/54).	4477.0	151.25	%Sft	6,771
5	Applying floating of cement 1/32" thick.. (S.I.No.14 P/	10174.0	660.00	%Sft	67,148
6	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	10552.0	2206.60	%Sft	232,840
7	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51). (G.Floor)	10552.0	2197.52	%Sft	231,882
22	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	141.0	228.90	P.Sft	32,275
23	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fosts filling with cement sand repairing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	295.0	240.50	P.Sft	70,948
8	Cement Concerate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	1104.0	14429.25	% Cft	159,299
9	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortor 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	7000.0	307.00	P. Sft	2,149,000

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
10	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	897.0	186.04	P.Sft	166,878
11	Making and fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2"3/8" & 3/4" sq: bars 4" centre to centre with locking arrangement. (S.I.No: 24 P. 97).	48.0	726.72	P.Sft	34,883
12	First class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts, chocks cleats, handles and cords with hooks etc. (b) 13/4" thick. (S.I.No.7 (b) P/57).	132.0	1273.76	P.Sft	168,136
(B)	(Only Shutters).	336.0	902.93	P.Sft	303,384
13	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	180.0	1778.50	P.Sft	320,130
14	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size plate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill).(S.I.No.26 P/92).	798.0	180.50	P.Sft	144,039
15	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (d) 2" Thick. (S.I.No: 16 (d) P. 41).	2093.0	3275.50	%Sft	68,556
(B)	First Floor	3525.0	3502.38	%Sft	123,459
(C)	1-1/2 (2nd Floor)	5067.0	2775.17	%Sft	140,618
16	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	7160.0	1887.40	% Sft	135,138
17	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	3818.0	3918.20 1422.58	% Sft	54,314


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
18	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc complete. (S.I.No: 74 P/49).	3818.0	199.77	P.Sft	762,722
19	Notice board made with cement. (S.I.No: 1 P/94).	120.0	58.11	P.Sft	6,973
46	White washing two coats.	4619.0	425.84	% Sft	19,670
20	Primary coat of chalk distempering. (S.I.No.23 P/57).	9207.0	442.75	% Sft	40,764
22	Distempering three coats. (S.I.No.24 (c) P/53).	30053.0	1079.65	% Sft	324,467
(B)	Distempering two coats..	3412.0	1043.90	% Sft	35,618
23	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of pairs and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	4900.0	1948.10	% Sft	95,457
(B)	Old Surface	7984.0	1498.48	% Sft	119,639
25	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	3704.0	2116.41	% Sft	78,392
26	Painting guard bars , gates iron bars gratings railings i/c standard barses etc: smiler open works.	96.0	1270.83	% Sft	1,220
				G.Total;	6,204,981


XEN

(4)

(B.O.Q) (CIVIL WORK)

**REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS LAHORI
(REHAB: / C/WALL) TALUKA LARKANA**

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (S.I.No.20 P/11)	2455.0	5445.00	% Cft	133,675
2	Removing door with chowkats. (S.I.No.33 (a) P/12).	8.0	142.18	P.Sft	1,137
3	Remong windows and sky light with chowkats. (S.I.No.33 (b) P/12).	24.0	102.85	P.Sft	2,468
4	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	6510.0	1285.63	% Cft	83,695
5	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	513.0	11948.36	%Cft	61,295
6	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	3467.0	337.00	P.Cft	1,168,379
7	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	170.000	5001.70	P.Cwt	850,289
8	Pacca brick work other than building including striking of joints upto 20' ft: height in (e) cement sand mortar 1:6 (S.I.No.7 (e) P/21).	1018.0	12346.65	%Cft	125,689
9	Making and fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2"3/8" & 3/4" sq: bars 4" centre to centre with locking arrangement. (S.I.No: 24 P. 97).	96.0	726.72	P.Sft	69,765
10	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	12773.0	1141.25	%Cft	145,772
11	Extra Lead (1.0 Mile)	12773.0	407.00	%Cft	51,986
12	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	1232.0	3327.50	% Cft	17,004
13	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	7352.0	12674.36	%Cft	931,819
14	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	141.0	228.90	P.Sft	32,275

D¹
XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
15	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hiques and fixing at site with necessary hold fosts filling with cement sand reparing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	719.0	240.50	P.Sft	172,920
16	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	7.000	3550.00	P.Cwt	24,850
17	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	144.0	28.23	P.No	4,065
18	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	544.0	902.93	P.Sft	491,194
19	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	15848.0	2206.60	%Sft	349,702
20	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	15848.0	2197.52	%Sft	348,263
21	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	3050.0	1287.44	% Cft	39,267
22	Notice board made with cement. (S.I.No: 1 P/94).	256.0	58.11	P.Sft	14,876
23	Providing and laying 1" thick topping cement concreate (1:2:4) including surface finishing anddividing into panels. (d) 1-1/2" Thick. (S.I.No: 16 (P. 41).	5084.0	2548.29	%Sft	129,555
24	Cement Concreate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	598.0	14429.25	% Cft	86,287
25	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortor 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	3737.0	307.00	P. Sft	1,147,259

D
XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
26	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	175.0	186.04	% Sft	32,557
27	White washing three coats. (S.I.No.26 (c) P/53).	3735.0	829.95	% Sft	30,999
28	Primary coat of chalk distempering. (S.I.No.23 P/57).	11109.0	442.75	% Sft	49,185
29	Distempering three coats. (S.I.No.24 (c) P/53).	12614.0	1079.65	% Sft	136,187
30	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	8609.0	1948.10	% Sft	167,712
31	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1216.0	2116.41	% Sft	25,736
32	Painting guard bars , gates iron bars gratings railings i/c standard barse etc: smiler open works.	192.0	1270.83	% Sft	2,440
				Total;	6,928,301
				Deduction of salvage Material	(-) 175,029
				G.Total;	6,753,272


XEN

(B.O.Q) (CIVIL WORK)

5

**REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GGPS P.V PRIMARY (REHAB:) /
GBPS RAILWAY (REHAB: / LAV:) / GBPS CHANDKA (REHAB:) TALUKA LARKANA**

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling sirki Sarkanda or thatched roofing supported on bottens or ballies. (S.I.No.21 P/10).	458.0	817.10	% Sft	3,742
2	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	2654.00	378.13	% S.ft	10,036
3	Dismantling brick work in lime or cement mortar. (S.I.No.13 P/10).	675.0	1285.63	% Cft	8,678
4	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	1755.0	3327.50	% Cft	58,398
5	Remoning cement or lime plaster. (S.I.No.53 P/13).	2859.0	121.00	% Sft	3,459
6	Applying floating of cement 1/32" thick. (S.I.No.14 P/53). P/11)	2859.0	660.00	% Sft	18,869
7	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	990.0	3176.25	%0. Cft	3,144
8	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	1634.0	8694.95	%Cft	142,075
(B)	Ratio 1:6:12	48.0	8122.95	%Cft	3,899
9	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	981.0	11948.36	%Cft	117,213
10	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	685.0	337.00	P.Cft	230,845
11	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	37.000	5001.70	P.Cwt	185,063
12	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	4710.0	1141.25	%Cft	53,753
13	Extra Lead (1.0 Mile)	4710.0	407.00	%Cft	19,170
14	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	97.0	10.70	P.Sft	1,038
15	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	1533.0	12674.36	%Cft	194,298


D. K. XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 2" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	82.0	228.90	P.Rft	18,770
17	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded higues and fixing at site with necessary hold fots filling with cement sand repairing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	126.0	240.50	P.Rft	30,303
18	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	6107.0	2206.60	%Sft	134,757
19	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	6107.0	2197.52	%Sft	134,203
20	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	290.0	1287.44	% Sft	3,734
21	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	3734.0	1887.40	% Sft	70,476
22	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	251.0	902.93	P.Sft	226,635
23	Extra labour rate for making cemet plaster patta/band around straight are couyard oppening and around the edges of roof slabs the wight not less than 6' with fine finishing as directed by Engineer Incharge. (S.I.NO.35 P/54)	53.0	19.36	P. Rft	1,026
24	Notice board made with cement. (S.I.No: 1 P/94).	32.0	58.11	P.Sft	1,860
25	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	43.0	1778.50	P.Sft	76,476
26	Single layer of tiles 9" x4" 1/2" x2" laid over 4" earth 1" mud plaster without Bhoosa grouted with cement sand 1:3 on top of R: C:C slab provide with 34 Lbs. Bituman coating sand blined. (S.I.No: 5 P/33).	2615.0	5310.35	% Sft	138,866



S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
27	Laying floors of approved coloured glazed tiles 1/2" thick laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2. (S.I. No: 25 P/42).	297.0	27747.06	% Sft	82,409
28	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	5805.0	4411.82	%Sft	256,106
(B)	2" Thick	828.0	3275.50	%Sft	27,121
29	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	801.0	14429.25	% Cft	115,578
30	Providing and laying marble flooring super / china Verona / Travertine or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	4838.0	307.00	P. Sft	1,485,266
31	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	601.0	186.04	P.Sft	111,810
32	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flat iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill).(S.I.No.26 P/92).	267.0	180.50	P.Sft	48,194
33	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	3456.0	<u>3918.20</u> 1422.58	% Sft	49,164
34	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quadda / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / pattern and design etc complete. (S.I.No: 74 P/49).	3456.0	199.77	P.Sft	690,405

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
35	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar ratio 1:2 complete. (S.I.No.24 P/42).	175.0	27678.86	% Sft	48,438
36	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	535.0	28253.61	% Sft	151,157
37	White washing three coats. (S.I.No.26 (c) P/53).	7024.0	829.95	% Sft	58,296
38	Primary coat of chalk distempering. (S.I.No.23 P/57).	15777.0	442.75	% Sft	69,853
39	Distempering three coats. (S.I.No.24 (c) P/53).	15777.0	1079.65	% Sft	170,336
40	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	10822.0	1948.10	% Sft	210,823
41	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	2572.0	2116.41	% Sft	54,434
				G.Total;	5,497,719


KEN

(B.O.Q) (SANITARY WORK)

	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	SANITARY WORK (Schedule Items)				
	P/f squatting type white glazed earthen ware W.C pan of with i/c the cost of flushing cistern wit internal fitting and flush pipe with bend making good in cement concrete 1:2:4(i) W.C not less than 19" clear opening between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble.	4.0	4802.60	P.Each	19,210
	P/F & fixing 22" x 16" lavatory basin in white glazed earthen ware complete with and i/c the cost of W.I or C.I cantilever brackets 6 inches built into walls painted white in 2 coats after a primary cost of red lead paint & pair of 1/2" dia chrome brass waster of approved pattern 1-1/4" dia malleable iron of cp bars traps. Malleable iron or brass unions & making requisite number of holes in walls plinth and floor for piep connection and making good in c.c 1:2:4 (foreign equivalent). (S.I.No: 13 P. 3)	2.0	4928.00	P!Each	9,856
3	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed	2.0	2533.47	P.No	5,067
4	P/F in position nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to nyloon connections.	6.0	447.15	P.No	2,683
5	S/F conceled stop cock of superior quality with C.P head 1/2" dia.	6.0	889.46	P.No	5,337
6	S/F long bib-cock of superior quality with C.P head 1/2" dia	6.0	1384.24	P.No	8,305
7	S/F Swan type piller cock of superior quality etc:	2.0	877.80	P.No	1,756
8	providing chambers (15"X19"(inside dimension)24" deep for house meters with 6" thick C.C 1:3:6 block set-on 1:6 cement mortar 6" thick C.C.1:4:8 in foundation 1/2" thick cement plaster 1:3. to all inside wall surface and to top 1" thick C.C 1:2:4. flooring complete with hinged clear opening (Wt: Qr) etc fixied in cement concerate 1:2:4. i/c curing excavation back filling & disposal of surplus earth etc.	2.0	5913.22	Each	11,826
9	S/F fibre glass tenk of approved qulity and design and wall thickness as apecoified i/c the cost of nute and bolts and fixing in plate iron of cement concerte 1:2:7 and making and commoction for inlet- outlet and over flow pipe etc complete . (350 gallons)	1.0	30773.42	Each	30,773
				Total:	94,814


XEN

	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
SANITARY WORK (Non Schedule Items)					
1	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masonry, C.C or R-C-C upto 60' height and making good with C.C I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C all cost of labour, material charges Scaffolding Ladders etc complete (a) 1/2" Dia	20.0	66.81	P.No	1,336
	(b) 3/4" Dia	150.0	78.01	P.No	11,702
	(C) 1" Dia	50.0	97.91	P.No	4,896
	(d) 4" Dia	85.0	397.77	P.No	33,810
2	P/F Bend/ Elbow (90 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe/fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per class 12454-B In accordance Incharge. Specifications of the material should meet the requirements of material, cartage, scaffolding / ladders etc. complete. (a) 1/2" Dia	5.0	101.39	P.No	507
	(b) 3/4" Dia	10.0	103.05	P.No	1,031
	(C) 1" Dia	6.0	125.90	P.No	755
	(d) 4" Dia	4.0	425.45	P.No	1,702
3	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D_ 1784 type 1 grade TEE 1. Rate includes all costs of labour, material cartage. (b) 3/4" Dia	10.0	110.40	P.No	1,104
	(c) 1" Dia	5.0	132.43	P.No	662
	(d) 4" Dia	2.0	712.75	P.No	1,426
4	P/F COUPLING / SCOKET of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (a) 3/4" Dia	12.0	98.15	P.No	1,178
	(b) 1" Dia	5.0	110.40	P.No	552

	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F UNION of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (a) 3/4" Dia	2.0	312.81	P.No	626
	(b) 1" Dia	2.0	381.37	P.No	763
6	P/F UPVC P-Trap W/Elbow (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete 4" Dia	4.0	818.04	P.No	3,272
7	P/F UPVC WYE (Y) (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete	6.0	933.13	P.No	5,599
8	P/F UPVC PLUG ELBOW (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete 4" Dia	4.0	677.65	P.No	2,711
9	P/F UPVC PLUG TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete 4" Dia	4.0	847.42	P.No	3,390
10	P/F UPVC VENT COWEL (LOCAL) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in				

o.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
11	Providing & Fixing approved quality A.C motor Mono block set made 1-1/4" x 1" suction and delivery, 1 H.P. Power single phase motor (Diamond / Siemens make or equal) i/c the cost of C.I fitting nuts, bolts etc complete.	1.0	14201.00	P.No	14,201
12	P/F Plastic Pipe of approved quality and Material etc paid separately I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement rate, i/c all cost of labour, material charges etc complete.	105.0	77.00	P.Rft	8,085
13	Providing & Fixing Hand pump Machine i/c fitting and fixing i/c etc complete.	1.0	4500.00	P.No	4,500
14	P/F COMPACTE BALL VALVE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete. 1-1/4" dia	2.0	652.35	P.No	1,305
					Total of Non Schedule Items 105,862
					Total of Schedule Items 94,814
					G.Total: 200,676


XEN

(6)

(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY

/ ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP)

AT GBPS BEHRAM KHAN LUHUR (REHAB: / ADD: 2-C/R / C/WALL)

GBPS ROHAL KHAN BUGTI (REHAB:) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (S.I.No.20 P/11)	621.0	5445.00	% Cft	33,813
2	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	212.0	3327.50	% Cft	7,054
3	Removing cement or lime plaster. (S.I.No.53 P/13).	2484.0	121.00	% Sft	3,006
4	Dismantling brick work in lime or cement mortar. (S.I.No.13 P/10).	2316.0	1285.63	% Cft	29,775
5	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	2484.0	660.00	% Sft	16,394
6	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	1962.0	3176.25	%0. Cft	6,232
7	Cement concrete brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	365.0	8694.95	%Cft	31,737
(B)	<u>Ratio 1:6:12</u>	346	8122.95	%Cft	28,105
(C)	<u>Ratio 1:4:8</u>	493	9416.28	%Cft	46,422
8	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	948.0	11948.36	%Cft	113,270
9	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	2287.0	337.00	P.Cft	770,719
(B)	<u>First Floor</u>	1040.0	349.10	P.Cft	363,064
10	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	122.00	5001.70	P.Cwt	610,207
(B)	<u>First Floor</u>	56.0	5152.95	P.Cft	288,565
11	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	4256.0	1141.25	%Cft	48,572
12	Extra Lead (1.0 Mile)	1856.0	407.00	%Cft	7,554
13	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	1215.0	10.70	P.Sft	13,001

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XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
14	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	871.0	12674.36	%Cft	110,394
(B)	First Floor	830.0	13112.99	%Cft	108,838
15	Pacca brick work other than building including striking of joints upto 20' ft: height in (e) cement sand mortar 1:6 (S.I.No.7 (e) P/21).	796.0	12346.65	%Cft	98,279
16	Single layer of tiles 9" x4" 1/2" x2" laid over 4" earth 1" mud plaster without Bhoosa grouted with cement sand 1:3 on top of R: C:C slab provide with 34 Lbs. Bituman coating sand blined. (S.I.No: 5 P/33).	1058.0	5310.35	% Sft	56,184
17	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	91.0	228.90	P.Rft	20,830
18	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fasts filling with cement sand reparing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	444.0	240.50	P.Rft	106,782
19	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	5.00	3550.00	P.Cwt	17,750
20	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	80.0	28.23	P.No	2,258
21	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	7731	2206.60	%Sft	170,592
(B)	First Floor	3477	2346.60	%Sft	81,591
22	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	7667	2197.52	%Sft	168,484
(B)	First Floor	3477	2337.52	%Sft	81,276
23	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	2682.0	1287.44	% Sft	34,529
24	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	448.0	902.93	P.Sft	404,513


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
25	Extra labour rate for making cemet plaster, patta/band around straight are couyard opening and around the edges of roof slabs the wight not less than 6' with fine finishing as directed by Engineer Incharge. (S.I.NO.35 P/54)		19.36	P. Rft	-
26	Notice board made with cement. (S.I.No: 1 P/94).	192.0	58.11	P.Sft	11,157
27	Providing and laying 1" thick topping cement concerate (1:2:4) including surface finishing anddividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	1633.0	4411.82	%Sft	72,045
(B)	2" Thick	2556.0	3275.50	%Sft	83,722
28	Cement Concerate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	432.0	14429.25	% Cft	62,334
29	Making and fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2"3/8" & 3/4" sq; bars 4" centre to centre with locking arrangement. (S.I.No: 24 P. 97).	64.0	726.72	P.Sft	46,510
30	Reinforced cement concerte spout i/c fixing in position with top and bottom khuras. (S.I.No: 27 P/18).	6	524.98	Each	3,150
31	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	2700.0	307.00	P. Sft	828,900
32	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting anf facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry currint finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	248.0	186.04	P.Sft	46,138
29	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill).(S.I.No.26 P/92).	121.0	180.50	P.Sft	21,841


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
30	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packes rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	1660.0	3918.20 1422.58	% Sft	23,615
31	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc complete. (S.I.No: 74 P/49).	1660.0	223.97	P.Sft	371,790
32	White washing three coats. (S.I.No.26 (c) P/53).	848.0	829.95	% Sft	7,038
(B)	White washing two coats. .		425.84	% Sft	-
33	Primary coat of chalk distempering. (S.I.No.23 P/57).	11074.0	442.75	% Sft	49,030
34	Distempering three coats. (S.I.No.24 (c) P/53).	8681.0	1079.65	% Sft	93,724
(B)	Distempering two coats.	6535.0	1043.90	% Sft	68,219
35	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of pairs and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	5926.0	1948.10	% Sft	115,444
(B)	Old Surface	766.0	1498.48	% Sft	11,478
36	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1184.0	2116.41	% Sft	25,058
37	Painting guard bars , gates iron bars gratings railings i/c standard barse etc: smiler open works.	128.0	1270.83	% Sft	1,627
				G.Total;	5,822,611


XEN

(7)

(B.O.Q) (CIVIL WORK)

**REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS DHAMRAH-II**

(REHAB:& LAV:) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	385.0	3327.50	% Cft	12,811
2	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (S.I.No.20 P/11)	1093.0	5445.00	% Cft	59,514
3	Removing door with chowkats. (S.I.No.33 (a) P/12).	4.0	142.18	P.Sft	569
4	Remong windows and sky light with chowkats. (S.I.No.33 (b) P/12).	12.0	102.85	P.Sft	1,234
5	Rehandling of earth work (a).Lead upto a single throw of kassi, Phawrah or a =Shovel.. (S.I.No. 9(a) P/2).	252.00	756.25	% O.C.ft	191
6	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	504.00	378.13	% C.ft	1,906
7	Dismantling rolled steel beams, iron rails etc. (S.I.No.42 P/13).	6.00	126.04	P.Cwt	756
8	Dismantling brick work in lime or cement mortar. (S.I.No.13 P/10).	4215.0	1285.63	% Cft	54,189
9	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	565.0	3176.25	% Cft	17,946
10	Cement concrete brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	180.0	8694.95	%Cft	15,651
(B)	<u>Ratio 1:6:12</u>	718.0	8122.95	%Cft	58,323
11	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	2356.0	11948.36	%Cft	281,503
12	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	2435.0	337.00	P.Cft	820,595
13	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	160.000	5001.70	P.Cwt	800,272
14	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	7312.0	1141.25	%Cft	83,448
15	Extra Lead (1.0 Mile)	7127.0	407.00	%Cft	29,007
16	Extra Lead (3.0 Mile)	185.0	579.41	%Cft	1,072

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
17	Providing and laying single per layer of polythene sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	662.0	10.70	P.Sft	7,083
18	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	4765.0	12674.36	%Cft	603,933
19	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	120.0	228.90	P.Sft	27,468
20	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fosta filling with cement sand reparing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	479.0	240.50	P.Sft	115,200
21	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	5.000	3550.00	P.Cwt	17,750
22	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	96.0	28.23	P.No	2,710
23	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	8123.0	2206.60	%Sft	179,242
24	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	8123.0	2197.52	%Sft	178,505
25	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	2169.0	1267.44	% Cft	27,925
26	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	170.0	1887.40	% Sft	3,209
27	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c.chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	163.0	902.93	P.Sft	147,178
28	Extra labour rate for making cemet plaster patta/band around straight are couyard oppening and around the edges of roof slabs the wight not less tham 6' with fine finishing as directed by Engineer Incharge. (S.I.NO,35 P/54)	186.0	19.36	% Rft	3,601
29	Notice board made with cement. (S.I.No: 1 P/94).	160.0	58.11	P.Sft	9,298

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
30	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	2362.0	4411.82	%Sft	104,207
(B)	2" Thick	3161.0	3275.50	%Sft	103,539
31	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4. (S.I.No: 5 (f) P/ 15).	996.0	14429.25	% Cft	143,715
32	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	737.0	307.00	P. Sft	226,259
33	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	135.0	186.04	P.Sft	25,115
34	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size plate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill). (S.I.No.26 P/92).	123.0	180.50	P.Sft	22,202
35	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	5400.0	3918.20 1422.58	% Sft	76,819
36	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / pattern and design etc complete. (S.I.No: 74 P/49).	5400.0	223.97	P.Sft	1,209,438
37	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar ratio 1:2 complete. (S.I.No.24 P/42).	120.0	27678.86	% Sft	33,215

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
38	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.0	28253.61	% Sft	49,726
39	White washing three coats. (S.I.No.26 (c) P/53).	93.0	829.95	% Sft	772
40	Primary coat of chalk distempering. (S.I.No.23 P/57).	10747.0	442.75	% Sft	47,582
41	Distempering two coats.	2854.0	1043.90	% Sft	29,793
42	Distempering three coats. (S.I.No.24 (c) P/53).	10747.0	1079.65	% Sft	116,030
43	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	6055.0	1948.10	% Sft	117,957
44	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1470.0	2116.41	% Sft	31,111
				G.Total;	5,899,568


XEN

(B.O.Q) (SANITARY WORK)

S. No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	SANITARY WORK (Schedule Items)				
1	P/f squatting type white glazed earthen ware W.C pan of with i/c the cost of flushing cistern wit internal fitting and flush pipe with bend making good in cement concrete 1:2:4(i) W.C not less than 19" clear opening between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble.	2.0	4802.60	P.Each	9,605.20
2	P/F in position nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to nyloon connections.	2.0	447.15	P.No	894.30
3	S/F conceled stop cock of superior quality with C.P head 1/2" dia.	2.0	889.46	P.No	1,778.92
4	S/F long bib-cock of superior quality with C.P head 1/2" dia	2.0	1384.24	P.No	2,768.48
5	providing chambers (15"X19"(inside dimension)24" deep for house meters with 6" thick C.C 1:3:6 block set-on 1:6 cement mortar 6" thick C.C.1:4:8 in foundation 1/2" thick cement plaster 1:3. to all inside wall surface and to top 1" thick C.C 1:2:4. flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement concerate 1:2:4. i/c curing excavation back filling & disposal of surplus earth etc.	1.0	5913.22	Each	5,913.22
5	S/F fibre glass tenk of approved qulity and design and wall thickness as apecoified i/c the cost of nute and bolts and fixing in plate iron of cement concerte 1:2:7 and making and commoction for inlet- outlet and over flow pipe etc complete .	150.0	87.95	P.G	13,192.50
				Total:	34,154.40


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	ANITARY WORK (Non Schedule Items)				
1	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masonry, C.C or R-C-C upto 60' height and making good with C.C I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C all cost of labour, material charges Scaffolding Ladders etc complete (a) 1/2" Dia	20.0	66.81	P.No	1,336
	(b) 3/4" Dia	100.0	78.01	P.No	7,801
	(c) 4" Dia	30.0	397.77	P.No	11,933
2	P/F Bend/ Elbow (90 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of verious sizes fixed to UPVC pipe/fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per class 12454-B In accordance Incharge. Specifications of the material should meet the requirements of material, cartage, scaffolding / ladders etc. complete. (a) 1/2" Dia	5.0	101.39	P.No	507
	(b) 3/4" Dia	10.0	103.05	P.No	1,031
	(C) 1" Dia	6.0	125.90	P.No	755
	(d) 4" Dia	4.0	425.45	P.No	1,702
3	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D_ 1784 type 1 grade TEE 1. Rate includes all costs of labour, material cartage. (b) 3/4" Dia	10.0	110.40	P.No	1,104
	(c) 1" Dia	5.0	132.43	P.No	662
	(d) 4" Dia	2.0	712.75	P.No	1,426
4	P/F COUPLING / SCOKET of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (a) 3/4" Dia	12.0	98.15	P.No	1,178
	(b) 1" Dia	5.0	110.40	P.No	552
5	P/F UNION of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of				

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
6	P/F UPVC PLUG ELBOW (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete <u>4" Dia</u>	2.0	677.65	P.No	1,355
7	P/F UPVC PLUG TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete <u>4" Dia</u>	2.0	847.42	P.No	1,695
8	P/F UPVC VENT COWEL (LOCAL) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete	2.0	187.93	P.No	37
9	Providing & Fixing approved quality A.C motor Mono block set made 1-1/4" x 1" suction and delivery, 1 H.Power single phase motor (Diamond / Siemens make or equal) i/c the cost of C.I fitting nuts, bolts etc complete.	1.0	14201.00	P.No	14,20
10	P/F Plastic Pipe of approved quality and Material etc paid separatly I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement rate, i/c all cost of labour, material charges etc complete.	105.0	77.00	P.Rft	8,08
11	Providing & Fixing Hand pump Machine i/c fitting and fixing i/c etc complete.	1.0	4500.00	P.No	4,50
12	P/F COMPACTE BALL VALVE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete. 1-1/4" dia	2.0	652.35	P.No	1,3
Total of Non Schedule Items					62,8
Total of Schedule Items					

(8)

(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY

/ ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP)

AT GBPS VIKYA SANGI (REHAB: / C/WALL/ LAV:) GBPS DHOON (C/WALL / LAV:)

GBPS MAREE BALOACH (C/WALL/ LAV:) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling sirki Sarkanda or thatched roofing supported on bottens or ballies. (S.I.No.21 P/10).	496.0	817.10	% Sft	4,053
2	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (S.I.No.20 P/11)	27.0	5445.00	% Cft	1,470
3	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	916.0	3327.50	% Cft	30,480
4	Remoning cement or lime plaster. (S.i.No.53 P/13).	2684.0	121.00	% Sft	3,248
5	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	1627.0	1285.63	% Cft	20,917
6	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	2684.0	660.00	% Sft	17,714
7	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	2752.0	3176.25	%0. Cft	8,741
8	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	1556.0	8694.95	%Cft	135,293
(B)	<u>Ratio 1:6:12</u>	588	8122.95	%Cft	47,763
9	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	3080.0	11948.36	%Cft	368,009
10	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	937.0	337.00	P.Cft	315,769
11	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	44.945	5001.70	P.Cwt	224,801
12	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	4478.0	1141.25	%Cft	51,105
13	Extra Lead (1.0 Mile)	2878.0	407.00	%Cft	11,713
14	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	655.0	10.70	P.Sft	7,009


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
15	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	1676.0	12674.36	%Cft	212,422
16	Pacca brick work other than building including striking of joints upto 20' ft: height in (e) cement sand mortar 1:6 (S.I.No.7 (e) P/21).	3588.0	12346.65	%Cft	442,998
17	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	132.0	228.90	P.Rft	30,215
18	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fots filling with cement sand reparing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	89.0	240.50	P.Rft	21,405
19	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	1.00	3550.00	P.Cwt	3,550
20	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	18.0	28.23	P.No	508
21	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	13442	2206.60	%Sft	296,611
22	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	13442	2197.52	%Sft	295,391
23	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	7723.0	1287.44	% Sft	99,429
24	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	3239.0	1887.40	% Sft	61,133
25	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	238.0	902.93	P.Sft	214,897
26	Extra labour rate for making cemet plaster patta/band around straight are couyard opening and around the edges of roof slabs the wight not less tham 6' with fine finishing as directed by Engineer Incharge. (S.I.NO.35 P/54)	159.0	19.36	P. Rft	3,078
27	Notice board made with cement. (S.I.No: 1 P/94).	96.0	58.11	P.Sft	5,579

2
XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
28	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	1189.0	4411.82	%Sft	52,457
(B)	2" Thick	3006.0	3275.50	%Sft	98,462
29	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4. (S.I.No: 5 (f) P/ 15).	603.0	14429.25	% Cft	87,008
30	Making and fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2"3/8" & 3/4" sq. bars 4" centre to centre with locking arrangement. (S.I.No: 24 P. 97).	144.0	726.72	P.Sft	104,648
31	Suppling of T.Girders at site of Works	8.00	3850.00	P.Cwt	30,800
32	Supplying of T-Iron at the site of work	9.00	3575.00	P.Cwt	32,175
33	Errection and rolled steel beams or old rails in roof etc errection and fixing in position. (S.I.No. P/).	17.0	186.34	P.Sft	3,168
34	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1"6 with 34 Lbs. Of hot bituman coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" including 1:2 cement pointing underside of tiles complete including curing etc. (S.I.No: 1 P/32).	496.0	<u>11443.10</u> 9555.70	% Sft	47,396
35	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	1887.0	307.00	P. Sft	579,309
36	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting anf facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry currint finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	269.0	186.04	P.Sft	50,045

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
37	Supplying and fixing in position iron/steel grill of 2" x 1/4" size flat iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill). (S.I.No.26 P/92).	134.0	180.50	P.Sft	24,187
38	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	3636.0	<u>3918.20</u> 1422.58	% Sft	51,725
39	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc complete. (S.I.No: 74 P/49).	3636.0	199.77	P.Sft	726,364
40	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar ratio 1:2 complete. (S.I.No.24 P/42).	376.0	27678.86	% Sft	104,073
41	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	608.0	28253.61	% Sft	171,782
42	White washing three coats. (S.I.No.26 (c) P/53).	4462.0	829.95	% Sft	37,032
43	Primary coat of chalk distempering. (S.I.No.23 P/57).	8570.0	442.75	% Sft	37,944
44	Distempering three coats. (S.I.No.24 (c) P/53).	19946.0	1079.65	% Sft	215,347
(B)	Distempering two coats.	4950.0	1043.90	% Sft	51,673
45	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	7489.0	1948.10	% Sft	145,893
46	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1573.0	2116.41	% Sft	33,291
47	Painting guard bars , gates iron bars gratings railings i/c standard bars etc: smiler open works.	440.0	1270.83	% Sft	5,592
				G.Total;	5,625,671


XEN

(B.O.Q) (SANITARY WORK)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	SANITARY WORK (Schedule Items)				
1	P/f Squating type white glazed earthen ware W.C pan of with i/c the cost of flushing cistern wit internal fitting and flush pipe with bend making good in cement concrete 1:2:4(i) W.C not less than 19" clear opening between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble.	6.0	4802.60	P.Each	28,816
2	P/F in position nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to nyloon connections.	6.0	447.15	P.No	2,683
3	S/F conceled stop cock of superior quality with C.P head 1/2" dia.	6.0	889.46	P.No	5,337
4	S/F long bib-cock of superior quality with C.P head 1/2" dia	6.0	1384.24	P.No	8,305
5	providing chambers (15"X19"(inside dimension)24" deep for house meters with 6" thick C.C 1:3:6 block set-on 1:6 cement mortor 6" thick C.C.1:4:8 in foundation 1/2" thick cement plaster 1:3. to all inside wall surface and to top 1" thick C.C 1:2:4. flooring complete with hinged clear opening (Wt: Qr) etc fixied in cement concerate 1:2:4. i/c curing excavation back filling & disposal of surplus earth etc.	3.0	5913.22	Each	17,740
5	S/F fibre glass tenk of approved qulity and design and wall thickness as apecoified i/c the cost of nute and bolts and fixing in plate iron of cement concerte 1:2:7 and making and commoction for inlet- outlet and over flow pipe etc complete .	450.0	87.95	P.G	39,578
				Total:	102,458


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
SANITARY WORK (Non Schedule Items)					
1	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separately recessed in Masonry, C.C or R-C-C upto 60' height and making good with C.C I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C all cost of labour, material charges Scaffolding Ladders etc complete <u>(a) 1/2" Dia</u>	60.0	66.81	P.No	4,009
	<u>(b) 3/4" Dia</u>	300.0	78.01	P.No	23,403
	<u>(c) 4" Dia</u>	90.0	397.77	P.No	35,799
2	P/F Bend/ Elbow (90 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe/fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per class 12454-B In accordance Incharge. Specifications of the material should meet the requirements of material, cartage, scaffolding / ladders etc. complete. <u>(a) 1/2" Dia</u>	15.0	101.39	P.No	1,521
	<u>(b) 3/4" Dia</u>	30.0	103.05	P.No	3,092
	<u>(C) 1" Dia</u>	18.0	125.90	P.No	2,266
	<u>(d) 4" Dia</u>	12.0	425.45	P.No	5,105
3	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D_ 1784 type 1 grade TEE 1. Rate includes all costs of labour, material cartage. <u>(b) 3/4" Dia</u>	30.0	110.40	P.No	3,312
	<u>(c) 1" Dia</u>	15.0	132.43	P.No	1,986
	<u>(d) 4" Dia</u>	6.0	712.75	P.No	4,277
4	P/F COUPLING / SCOKET of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete <u>(a) 3/4" Dia</u>	36.0	98.15	P.No	3,533
	<u>(b) 1" Dia</u>	15.0	110.40	P.No	1,656


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
5	P/F UNION of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete <u>(a) 3/4" Dia</u>	6.0	312.81	P.No	1,877
	<u>(b) 1" Dia</u>	6.0	381.37	P.No	2,288
6	P/F UPVC PLUG ELBOW (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete <u>4" Dia</u>	6.0	677.65	P.No	4,066
7	P/F UPVC PLUG TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete <u>4" Dia</u>	6.0	847.42	P.No	5,085
8	P/F UPVC VENT COWEL (LOCAL) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete	6.0	187.93	P.No	1,128
9	Providing & Fixing approved quality A.C motor Mono block set made 1-1/4" x 1" suction and delivery, 1 H.Power single phase motor (Diamond / Siemens make or equal) i/c the cost of C.I fitting nuts, bolts etc complete.	3.0	14201.00	P.No	42,603
10	P/F Plastic Pipe of approved quality and Material etc paid separately I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement rate, i/c all cost of labour, material charges etc complete.	315.0	77.00	P.Rft	24,255


XEI

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
11	Providing & Fixing Hand pump Machine i/c fitting and fixing i/c etc complete.	3.0	4500.00	P.No	13,500
12	P/F COMPACTE BALL VALVE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of verious sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete. 1-1/4" dia	6.0	652.35	P.No	3,914
Total of Non Schedule Items					188,674
Total of Schedule Items					102,458
G.Total:					291,132


XEN

9

(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GGPS SHAIKH ZAID -II
(REHAB: / ADD: 3-C/R) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (S.I.No.20 P/11)	405.0	5445.00	% Cft	22,052
2	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	814.0	3327.50	% Cft	27,086
3	Remoning cement or lime plaster. (S.I.No.53 P/13).	3349.0	121.00	% Sft	4,052
4	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	336.0	1285.63	% Cft	4,320
5	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	3349.0	660.00	% Sft	22,103
6	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	2520.0	3176.25	%0. Cft	8,004
7	Cement concrete brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	1263.0	8694.95	%Cft	109,817
8	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	2435.0	11948.36	%Cft	290,943
9	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ,or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	2071.0	337.00	P.Cft	697,927
10	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	104.437	5001.70	P.Cwt	522,363
11	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	6090.0	1141.25	%Cft	69,502
12	Extra Lead (1.0 Mile)	6090.0	407.00	%Cft	24,786
13	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	673.0	3327.50	% Cft	22,394
14	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	311.0	10.70	P.Sft	3,328
15	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	2896.0	12674.36	%Cft	367,049


XEN

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	154.0	228.90	P.Rft	35,251
17	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fosta filling with cement sand reparing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	384.0	240.50	P.Rft	92,352
18	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	2.565	3550.00	P.Cwt	9,106
19	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	54.0	28.23	P.No	1,524
20	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	8865.0	2206.60	%Sft	195,615
21	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	8865.0	2197.52	%Sft	194,810
22	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	1430.0	1287.44	% Sft	18,410
23	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	2861.0	1887.40	% Sft	53,999
24	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	228.0	902.93	P.Sft	205,868
25	Extra labour rate for making cemet plaster patta/band around straight are couyard oppening and around the edges of roof slabs the wight not less than 6' with fine finishing as directed by Engineer Incharge. (S.I.NO.35 P/54)	69.0	19.36	P. Rft	1,336
26	Notice board made with cement. (S.I.No: 1 P/94).	160.0	58.11	P.Sft	9,298
27	Providing and laying 1" thick topping cement concerate (1:2:4) including surface finishing anddividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	2165.0	4411.82	%Sft	95,516
(B)	<u>2" Thick</u>	2786.0	3275.50	%Sft	91,255


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
28	Cement Concreate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	531.0	14429.25	% Cft	76,619
29	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	17.0	1778.50	P.Sft	30,235
30	Laying floors of approved coloured glazed tiles 1/4" thick laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2. (S.I. No: 25 P/42).	148.0	27747.06	% Sft	41,066
31	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	3316.0	307.00	P. Sft	1,018,012
32	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting anf facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry currint finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	411.0	186.04	P.Sft	76,462
33	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill).(S.I.No.26 P/92).	485.0	180.50	P.Sft	87,543
34	Filling watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift jupto 5 feet. (S.I.No: 21 P/4).	1349.0	1512.50	%0Cft	2,040
35	Extra labour rate making grooves of 1"x1/4" or 3/4"x1/2" plastered surface with true edges both vertically and horizontally with uniform depth and with groove base smothly finished etc complete as per instruction horizontally with uniform depth and with groove base smothly finished etc complete as per instruction	194.0	7.71	P Rft	1,496

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
36	Primary coat of chalk distempering. (S.I.No.23 P/57).	4120.0	442.75	% Sft	18,241
37	Distempering three coats. (S.I.No.24 (c) P/53).	14517.0	1079.65	% Sft	156,733
(B)	Distempering two coats.	2931.0	1043.90	% Sft	30,597
38	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of pairs and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	2474.0	1948.10	% Sft	48,196
(B)	Old Surface	5823.0	1498.48	% Sft	87,256
39	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1842.0	2116.41	% Sft	38,984
40	Painting guard bars , gates iron bars gratings railings i/c standard barse etc: smiler open works.	96.0	1270.83	% Sft	1,220
				G.Total;	4,891,494


XEN

(B.O.Q) (SANITARY WORK)

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	SANITARY WORK (Schedule Items)				
1	P/f squatting type white glazed earthen ware W.C pan of with i/c the cost of flushing cistern wit internal fitting and flush pipe with bend making good in cement concrete 1:2:4(i) W.C not less than 19" clear opening between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble.	2.0	4802.60	P.Each	9,605
2	P/F & fixing 22" x 16" lavatory basin in white glazed earthen ware complete with and i/c the cost of W.I or C.I cantilever brackets 6 inches built into walls painted white in 2 coats after a primary cost of red lead paint & pair of 1/2" dia chrome brass waster of approved pattern 1-1/4" dia malleable iron of cp bars traps. Malleable iron or brass unions & making requisite number of holes in walls plinth and floor for piep connection and making good in c.c 1:2:4 (foreign equivalent). (S.I.No: 13 P. 3)	2.0	4928.00	P.Each	9,856
3	Add: Extra for labour for providing and fixing of erthern wire pedestal white or coloured glazed	2.0	2533.47	P.No	5,067
4	P/F in position nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to nyloon connections.	4.0	447.15	P.No	1,789
	S/F conceled stop cock of superior quality with C.P head 1/2" dia.	4.0	889.46	P.No	3,558
	S/F long bib-cock of superior quality with C.P head 1/2" dia	4.0	1384.24	P.No	5,537
	S/F Swan type piller cock of superior quality etc:	2.0	877.80	P.No	1,756
	P/F 15"x12" beveled edge mirror of belgium glass complete with 1/8" thick hard board and C.P screws fixed to wodden pleat (a) Standard pattern. (S.I.No.3 (a) P/7).	2.0	2376.00	Each	4,752
	S/F fibre glass tenk of approved qulity and design and wall thickness as apecoified i/c the cost of nute and bolts and fixing in plate iron of cement concerte 1:2:7 and making and commoction for inlet- outlet and over flow pipe etc complete . (250 gallons)	1.0	21989.61	Each	21,990
				Total:	63,909


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
SANITARY WORK (Non Schedule Items)					
1	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddie of approved quality and Material etc paid separatly recessed in Masonry, C.C or R-C-C upto 60' height and making good with C.C I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C all cost of labour, material charges Scaffolding Ladders etc complete <u>3/4" Dia</u>	129.0	78.01	P.No	10,063
	<u>1" Dia</u>	30.5	97.91	P.No	2,986
	<u>4" Dia</u>	45.0	397.77	P.No	17,900
2	P/F Bend/ Elbow (90 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe/fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per class 12454-B In accordance Incharge. Specifications of the material should meet the requirements of material, cartage, scaffolding / ladders etc. complete. <u>3/4" Dia</u>	26.0	103.05	P.No	2,679
	<u>1" Dia</u>	8.0	125.90	P.No	1,007
	<u>4" Dia</u>	5.0	425.45	P.No	2,127
3	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D_ 1784 type 1 grade TEE 1. Rate includes all costs of labour, material cartage. (b) <u>3/4" Dia</u>	9.0	110.40	P.No	994
	(c) <u>1" Dia</u>	3.0	132.43	P.No	397
	(d) <u>4" Dia</u>	2.0	712.75	P.No	1,426
4	P/F UPVC P-Trap W/Elbow (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete <u>4" Dia</u>	2.0	818.04	P.No	1,636
5	Providing & Fixing approved quality A.C motor Mono block set made 1-1/4" x 1" suction and delivery, 1 H.Power single phase motor (Diamond /Siemens make or equal) i/c the cost of C.I fitting nuts, bolts etc complete.	1.0	14201.00	P.No	14,201
6	P/F Plastic Pipe of approved quality and Material etc paid separatly I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement rate, i/c all cost of labour, material charges etc complete.	100.0	77.00	P.Rft	7,700
7	Providing & Fixing Hand pump Machine i/c fitting and fixing i/c etc complete.	1.0	4500.00	P.No	4,500
Total of Non Schedule Items					67,616
Total of Schedule Items					63,909
G.Total:					131,525

XEN

(10)

(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GGPS SHAHEED
ABDUL QADIR LAGHARI (REHAB:) / GBPS MITHO DERO (REHAB; / ADD: 3-C/R) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	914.0	3327.50	% Cft	30,413
2	Remoning cement or lime plaster. (S.i.No.53 P/13).	1525.0	121.00	% Sft	1,845
3	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	92.0	1285.63	% Cft	1,183
4	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	1525.0	660.00	% Sft	10,065
5	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	2254.0	3176.25	%0. Cft	7,159
6	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	946.0	8694.95	%Cft	82,254
(B)	Ratio 1:6:12	241	8122.95	%Cft	19,576
7	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	2476.0	11948.36	%Cft	295,841
8	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	1432.0	337.00	P.Cft	482,534
9	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	70.32	5001.70	P.Cwt	351,705
10	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	7606.0	1141.25	%Cft	86,803
11	Extra Lead (1.0 Mile)	5682.0	407.00	%Cft	23,126
12	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	673.0	3327.50	% Cft	22,394
13	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	1196.0	10.70	P.Sft	12,797
14	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	2549.0	12674.36	%Cft	323,069
15	Single layer of tiles 9" x4" 1/2" x2" laid over 4" earth 1" mud plaster without Bhoosa grouted with cement sand 1:3 on top of R: C:C slab provide with 34 Lbs. Bituman coating sand blined. (S.I.No: 5 P/33).	885.0	5310.35	% Sft	46,997

1


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	53.0	228.90	P.Rft	12,132
17	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fots filling with cement sand repairing i/c all carriage tools and planst used in making and fixing . (S.I.No: 28 P/ 92).	265.0	240.50	P.Rft	63,733
18	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	2.565	3550.00	P.Cwt	9,106
19	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	54.0	28.23	P.No	1,524
20	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	7673.0	2206.60	%Sft	169,312
21	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	7673.0	2197.52	%Sft	168,616
22	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	1488.0	1287.44	% Sft	19,157
23	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	1982.0	1887.40	% Sft	37,408
24	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	365.0	902.93	P.Sft	329,569
25	Extra labour rate for making cemet plaster patta/band around straight are couyard oppening and around the edges of roof slabs the wight not less tham 6' with fine finishing as directed by Engineer Incharge. (S.I.NO.35 P/54)	69.0	19.36	P. Rft	1,336
26	Notice board made with cement. (S.I.No: 1 P/94).	96.0	58.11	P.Sft	5,579
27	Providing and laying 1" thick topping cement concerate (1:2:4) including surface finishing anddividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	3841.0	4411.82	%Sft	169,458
(B)	2" Thick	2491.0	3275.50	%Sft	81,593

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
28	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone	763.0	14429.25	% Cft	110,095
29	aggregate without Ratio. 1:2:4. (S.I.No: 5 (f) P/ 15). Laying floors of approved coloured glazed tiles 1/4" thick laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2. (S.I. No: 25 P/42).	338.0	27747.06	% Sft	93,785
30	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	3130.0	307.00	P. Sft	960,910
31	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	474.0	186.04	P.Sft	88,183
32	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flat iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill). (S.I.No.26 P/92).	734.0	180.50	P.Sft	132,487
33	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	1299.0	<u>3918.20</u> 1422.58	% Sft	18,479
34	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patten and design etc complete. (S.I.No: 74 P/49).	831.0	199.77	P.Sft	166,009

XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
35	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc complete. (S.I.No: 74 P/49).	468.0	223.97	P.Sft	104,818
36	Filling watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift upto 5 feet. (S.I.No: 21 P/4).	1349.0	1512.50	%0Cft	2,040
37	Extra labour rate making grooves of 1"x1/4" or 3/4"x1/2" plastered surface with true edges both vertically and horizontally with uniform depth and with groove base smoothly finished etc complete as per instruction horizontally with uniform depth and with groove base smoothly finished etc complete as per instruction	194.0	7.71	P Rft	1,496
38	White washing three coats. (S.I.No.26 (c) P/53).	3028.0	829.95	% Sft	25,131
(B)	White washing two coats. .		425.84	% Sft	-
39	Primary coat of chalk distempering. (S.I.No.23 P/57).	6543.0	442.75	% Sft	28,969
40	Distempering three coats. (S.I.No.24 (c) P/53).	14328.0	1079.65	% Sft	154,692
(B)	Distempering two coats.	3187.0	1043.90	% Sft	33,269
41	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	2474.0	1948.10	% Sft	48,196
(B)	Old Surface	7492.0	1498.48	% Sft	112,266
42	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1202.0	2116.41	% Sft	25,439
(B)	Old Surface	256.0	1160.06	% Sft	2,970
43	Painting guard bars , gates iron bars gratings railings i/c standard barse etc: smiler open works.	128.0	1270.83	% Sft	1,627
(B)	Old Surface	570.0	674.60	% Sft	3,845
				G.Total;	4,975,570

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(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS AKIL
(REHAB: 3-ADD C/R / LAV:) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	667.0	3327.50	% Cft	22,194
2	Remoning cement or lime plaster. (S.I.No.53 P/13).	1154.0	121.00	% Sft	1,396
3	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	1154.0	660.00	% Sft	7,616
4	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	2616.0	3176.25	%0. Cft	8,309
5	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	900.0	8694.95	%Cft	78,255
(B)	Ratio 1:6:12	20	8122.95	%Cft	1,625
6	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	2811.0	11948.36	%Cft	335,868
7	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	1518.0	337.00	P.Cft	511,566
8	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	75.008	5001.70	P.Cwt	375,168
9	Supplying and filling sand under floor and plugging in walls. (S.I.No: 29 P/25).	7960.0	1141.25	%Cft	90,844
10	Extra Lead (1.0 Mile)	5867.0	407.00	%Cft	23,879
11	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	673.0	3327.50	% Cft	22,394
12	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	364.0	10.70	P.Sft	3,895
13	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	2659.0	12674.36	%Cft	337,011
14	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	85.0	228.90	P.Rft	19,457

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
15	P/F C...ame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c soldered hinges and fixing at site with necessary hold fasts filling with cement sand reparing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	265.0	240.50	P.Rft	63,733
16	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	2.565	3550.00	P.Cwt	9,106
17	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	54.0	28.23	P.No	1,524
18	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	7601.0	2206.60	%Sft	167,724
19	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	7601.0	2197.52	%Sft	167,033
20	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	1720.0	1287.44	% Sft	22,144
21	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	6378.0	1887.40	% Sft	120,378
22	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	298.0	902.93	P.Sft	269,073
23	Extra labour rate for making cemet plaster patta/band around straight are couyard opening and around the edges of roof slabs the wight not less than 6' with fine finishing as directed by Engineer Incharge. (S.I.NO.35 P/54)	122.0	19.36	P. Rft	2,362
24	Notice board made with cement. (S.I.No: 1 P/94).	96.0	58.11	P.Sft	5,579
25	Providing and laying 1" thick topping cement concerate (1:2:4) including surface finishing anddividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	1542.0	4411.82	%Sft	68,030
(B)	2" Thick	2074.0	3275.50	%Sft	67,934
(C)	1:1/2" Thick	1289.0	2548.29	%Sft	32,847
26	Cement Concerate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	670.0	14429.25	% Cft	96,676

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
27	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	4123.0	307.00	P. Sft	1,265,761
28	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	518.0	186.04	P.Sft	96,369
29	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill).(S.I.No.26 P/92).	749.0	180.50	P.Sft	135,195
30	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packes rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	1332.0	<u>3918.20</u> 1422.58	% Sft	18,949
31	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc,complete. (S.I.No: 74 P/49).	1332.0	199.77	P.Sft	266,094
32	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar ratio 1:2 complete. (S.I.No.24 P/42).	120.0	27678.86	% Sft	33,215
33	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.0	28253.61	% Sft	49,726
34	Applying chemical polishing on existing mosaic / Marble flooring / dado including cleaning, grinding with carborandum stone / sand paper and applying chemical polish as per requirement. (S.I.No: 70 P/48).	925.0	36.60	P.Sft	33,855
35	Filling watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift jupto 5 feet. (S.I.No: 21 P/4).	1349.0	1512.50	%0Cft	2,040

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
36	Preparing the surface and painting with enamel paint masonry walls. (S.I.No: 31 P/72).		1451.04	% Sft	-
37	Extra labour rate making grooves of 1"x1/4" or 3/4"x1/2" plastered surface with true edges both vertically and horizontally with uniform depth and with groove base smoothly finished etc complete as per instruction horizontally with uniform depth and with groove base smoothly finished etc complete as per instruction	194.0	7.71	P Rft	1,496
38	White washing three coats. (S.I.No.26 (c) P/53).	93.0	829.95	% Sft	772
(B)	White washing two coats.	3773.0	425.84	% Sft	16,067
39	Primary coat of chalk distempering. (S.I.No.23 P/57).	4315.0	442.75	% Sft	19,105
40	Distempering three coats. (S.I.No.24 (c) P/53).	15337.0	1079.65	% Sft	165,586
41	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	2809.0	1948.10	% Sft	54,722
(B)	Old Surface	3124.0	1498.48	% Sft	46,813
42	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	526.0	2116.41	% Sft	11,132
(B)	Old Surface	760.0	1160.06	% Sft	8,816
				G.Total;	5,159,331


XEN

(B.O.Q) (SANITARY WORK)

DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
SANITARY WORK (Schedule Items)				
P/f squatting type white glazed earthen ware W.C pan of with i/c the cost of flushing cistern wit internal fitting and flush pipe with bend making good in cement concrete 1:2:4(i) W.C not less than 19" clear opening between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble.	2.0	4802.60	P.Each	9,605
P/F in position nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to nyloon connections.	2.0	447.15	P.No	894
S/F conceled stop cock of superior quality with C.P head 1/2" dia.	2.0	889.46	P.No	1,779
S/F long bib-cock of superior quality with C.P head 1/2" dia	2.0	1384.24	P.No	2,768
providing chambers (15"X19"(inside dimension)24" deep for house meters with 6" thick C.C 1:3:6 block set-on 1:6 cement mortor 6" thick C.C.1:4:8 in foundation 1/2" thick cement plaster 1:3. to all inside wall surface and to top 1" thick C.C 1:2:4. flooring complete with hinged clear opening (Wt: Qr) etc fixied in cement concerate 1:2:4. i/c curing excavation back filling & disposal of surplus earth etc.	1.0	5913.22	Each	5,913
S/F fibre glass tenk of approved qulity and design and wall thickness as apecoified i/c the cost of nute and bolts and fixing in plate iron of cement concerte 1:2:7 and making and commoction for inlet- outlet and over flow pipe etc complete .	150.0	87.95	P.G	13,193
			Total:	34,153


XEN

	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
SANITARY WORK (Non Schedule Items)					
1	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separately recessed in Masonry, C.C or R-C-C upto 60' height and making good with C.C I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C all cost of labour, material charges Scaffolding Ladders etc complete (a) 1/2" Dia	20.0	66.81	P.No	1,336
	(b) 3/4" Dia	100.0	78.01	P.No	7,801
	(c) 4" Dia	30.0	397.77	P.No	11,933
2	P/F Bend/ Elbow (90 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe/fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per class 12454-B In accordance Incharge. Specifications of the material should meet the requirements of material, cartage, scaffolding / ladders etc. complete. (a) 1/2" Dia	5.0	101.39	P.No	507
	(b) 3/4" Dia	10.0	103.05	P.No	1,031
	(C) 1" Dia	6.0	125.90	P.No	755
	(d) 4" Dia	4.0	425.45	P.No	1,702
3	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D_ 1784 type 1 grade TEE 1. Rate includes all costs of labour, material cartage. (b) 3/4" Dia	10.0	110.40	P.No	1,104
	(c) 1" Dia	5.0	132.43	P.No	662
	(d) 4" Dia	2.0	712.75	P.No	1,426
4	P/F COUPLING / SCOKET of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (a) 3/4" Dia	12.0	98.15	P.No	1,178
	(b) 1" Dia	5.0	110.40	P.No	552
5	P/F UNION of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of				

DESCRIPTION		QNTY;	RATE	UNIT	AMOUNT
	P/F UPVC PLUG ELBOW (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete 4" Dia	2.0	677.65	P.No	1,355
7	P/F UPVC PLUG TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete 4" Dia	2.0	847.42	P.No	1,695
8	P/F UPVC VENT COWEL (LOCAL) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete	2.0	187.93	P.No	376
9	Providing & Fixing approved quality A.C motor Mono block set made 1-1/4" x 1" suction and delivery, 1 H.Power single phase motor (Diamond / Siemens make or equal) i/c the cost of C.I fitting nuts, bolts etc complete.	1.0	14201.00	P.No	14,201
10	P/F Plastic Pipe of approved quality and Material etc paid separately I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement rate, i/c all cost of labour, material charges etc complete.	105.0	77.00	P.Rft	8,085
11	Providing & Fixing Hand pump Machine i/c fitting and fixing i/c etc complete.	1.0	4500.00	P.No	4,500
12	P/F COMPACTE BALL VALVE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete. 1-1/4" dia	2.0	652.35	P.No	1,305
Total of Non Schedule Items					62,891
Total of Schedule Items					34,153
G.Total:					97,044

12

(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY / ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS PANJAL BHUTTO (ADD: 3-C/R) GBPS CHANNA (C/WALL / LAV:) GBPS SHAHOO BORAHO (REHAB:) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Remoning cement or lime plaster. (S.i.No.53 P/13).	1825.0	121.00	% Sft	2,208
2	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	1825.0	660.00	% Sft	12,045
3	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	2521.0	3176.25	%0. Cft	8,007
4	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	1660.0	8694.95	%Cft	144,336
(B)	Ratio 1:6:12	20	8122.95	%Cft	1,625
5	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	2675.0	11948.36	%Cft	319,619
6	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	1730.0	337.00	P.Cft	583,010
7	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	91.499	5001.70	P.Cwt	457,651
8	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	5867.0	1141.25	%Cft	66,957
9	Extra Lead (1.0 Mile)	5867.0	407.00	%Cft	23,879
10	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	673.0	3327.50	% Cft	22,394
11	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	364.0	10.70	P.Sft	3,895
12	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	2659.0	12674.36	%Cft	337,011
13	Pacca brick work other than building including striking of joints upto 20' ft: height in (e) cement sand mortar 1:6 (S.I.No.7 (e) P/21).	686.0	12346.65	%Cft	84,698


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
14	P/F G.I. frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	85.0	228.90	P.Rft	19,457
15	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fosts filling with cement sand reparing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	265.0	240.50	P.Rft	63,733
16	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	2.565	3550.00	P.Cwt	9,106
17	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	54.0	28.23	P.No	1,524
18	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	10155	2206.60	%Sft	224,080
19	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	10155	2197.52	%Sft	223,158
20	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	2000.0	1287.44	% Sft	25,749
21	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	5739.0	1887.40	% Sft	108,318
22	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	263.0	902.93	P.Sft	237,471
23	Extra labour rate for making cemet plaster patta/band around straight are couyard oppening and around the edges of roof slabs the wight not less than 6' with fine finishing as directed by Engineer Incharge. (S.I.NO.35 P/54)	122.0	19.36	P. Rft	2,362
24	Notice board made with cement. (S.I.No: 1 P/94).	96.0	58.11	P.Sft	5,579
25	Providing and laying 1" thick topping cement concreate (1:2:4) including surface finishing anddividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	2094.0	4411.82	%Sft	92,384
(B)	2" Thick	3394.0	3275.50	%Sft	111,170


XEN²

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
26	Cement-Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4. (S.I.No: 5 (f) P/ 15).	243.0	14429.25	% Cft	35,063
27	Cement Pointing 1:2 flash on floor. (S.I.No: 18 P/52).		939.57	% Cft	-
28	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	105.0	1778.50	P.Sft	186,743
29	Laying floors of approved coloured glazed tiles 1/4" thick laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2. (S.I. No: 25 P/42).		27747.06	% Sft	-
30	P/F iron steel grill door with angle iron frame of 1-1/2" x 1-1/2"x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embedded in Masonry as per instructions of Engineer in Charge. (S.I.No.71P/93).		231.60	P.Sft	-
31	Making and fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2"x3/8" & 3/4" sq; bars 4" centre to centre with locking arrangement. (S.I.No: 24 P. 97).	64.0	726.72	P.Sft	46,510
32	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	1510.0	307.00	P. Sft	463,570
33	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	290.0	186.04	P.Sft	53,952
34	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flat iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill). (S.I.No.26 P/92).	672.0	180.50	P.Sft	121,296

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
35	Laying Murum flooring consisting of 1" layer of fine pebbly or flakey variety of Murum spread over 9" thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	1848.0	3918.20 1422.58	% Sft	26,289
36	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc complete. (S.I.No: 74 P/49).	1848.0	223.97	P.Sft	413,897
37	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar ratio 1:2 complete. (S.I.No.24 P/42).	120.0	27678.86	% Sft	33,215
38	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.0	28253.61	% Sft	49,726
39	Filling watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift upto 5 feet. (S.I.No: 21 P/4).	1349.0	1512.50	% OCft	2,040
40	Extra labour rate making grooves of 1"x1/4" or 3/4"x1/2" plastered surface with true edges both vertically and horizontally with uniform depth and with groove base smoothly finished etc complete as per instruction horizontally with uniform depth and with groove base smoothly finished etc complete as per instruction	194.0	7.71	P Rft	1,496
41	White washing three coats. (S.I.No.26 (c) P/53).	93.0	829.95	% Sft	772
42	Primary coat of chalk distempering. (S.I.No.23 P/57).	4315.0	442.75	% Sft	19,105
43	Distempering three coats. (S.I.No.24 (c) P/53).	6195.0	1079.65	% Sft	66,884
(B)	Distempering two coats.	11409.0	1043.90	% Sft	119,099
44	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	2809.0	1948.10	% Sft	54,722
(B)	Old Surface	9394.0	1498.48	% Sft	140,767
45	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	740.0	2116.41	% Sft	15,661
(B)	Old Surface	1296.0	1160.06	% Sft	15,034
46	Painting guard bars , gates iron bars gratings railings i/c standard bars etc: smiler open works.	128.0	1270.83	% Sft	1,627
				G.Total;	5,058,891

(B.O.Q) (SANITARY WORK)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	SANITARY WORK (Schedule Items)				
1	P/f squatting type white glazed earthen ware W.C pan of with i/c the cost of flushing cistern wit internal fitting and flush pipe with bend making good in cement concrete 1:2:4(i) W.C not less than 19" clear opening between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble.	2.0	4802.60	P.Each	9,605
2	P/F in position nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to nyloon connections.	2.0	447.15	P.No	894
3	S/F conceled stop cock of superior quality with C.P head 1/2" dia.	2.0	889.46	P.No	1,779
4	S/F long bib-cock of superior quality with C.P head 1/2" dia	2.0	1384.24	P.No	2,768
5	providing chambers (15"X19"(inside dimension)24" deep for house meters with 6" thick C.C 1:3:6 block set-on 1:6 cement mortor 6" thick C.C.1:4:8 in foundation 1/2" thick cement plaster 1:3. to all inside wall surface and to top 1" thick C.C 1:2:4. flooring complete with hinged clear opening (Wt: Qr) etc fixied in cement concerate 1:2:4. i/c curing excavation back filling & disposal of surplus earth etc.	1.0	5913.22	Each	5,913
5	S/F fibre glass tenk of approved qulity and design and wall thickness as apecoified i/c the cost of nute and bolts and fixing in plate iron of cement concerte 1:2:7 and making and commoction for inlet- outlet and over flow pipe etc complete .	150.0	87.95	P.G	13,193
				Total:	34,153


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
SANITARY WORK (Non Schedule Items)					
1	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masonry, C.C or R-C-C upto 60' height and making good with C.C I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C all cost of labour, material charges Scaffolding Ladders etc complete <u>(a) 1/2" Dia</u>	20.0	66.81	P.No	1,336
	<u>(b) 3/4" Dia</u>	100.0	78.01	P.No	7,801
	<u>(c) 4" Dia</u>	30.0	397.77	P.No	11,933
2	P/F Bend/ Elbow (90 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe/fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per class 12454-B In accordance Incharge. Specifications of the material should meet the requirements of material, cartage, scaffolding / ladders etc. complete. <u>(a) 1/2" Dia</u>	5.0	101.39	P.No	507
	<u>(b) 3/4" Dia</u>	10.0	103.05	P.No	1,031
	<u>(C) 1" Dia</u>	6.0	125.90	P.No	755
	<u>(d) 4" Dia</u>	4.0	425.45	P.No	1,702
3	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D_ 1784 type 1 grade TEE 1. Rate includes all costs of labour, material cartage. <u>(b) 3/4" Dia</u>	10.0	110.40	P.No	1,104
	<u>(c) 1" Dia</u>	5.0	132.43	P.No	662
	<u>(d) 4" Dia</u>	2.0	712.75	P.No	1,426
4	P/F COUPLING / SCOKET of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete <u>(a) 3/4" Dia</u>	12.0	98.15	P.No	1,178
	<u>(b) 1" Dia</u>	5.0	110.40	P.No	552


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
5	P/F UNION of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (a) 3/4" Dia	2.0	312.81	P.No	626
	(b) 1" Dia	2.0	381.37	P.No	763
6	P/F UPVC PLUG ELBOW (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete 4" Dia	2.0	677.65	P.No	1,355
7	P/F UPVC PLUG TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete 4" Dia	2.0	847.42	P.No	1,695
8	P/F UPVC VENT COWEL (LOCAL) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete	2.0	187.93	P.No	376
9	Providing & Fixing approved quality A.C motor Mono block set made 1-1/4" x 1" suction and delivery, 1 H.Power single phase motor (Diamond / Siemens make or equal) i/c the cost of C.I fitting nuts, bolts etc complete.	1.0	14201.00	P.No	14,201
10	P/F Plastic Pipe of approved quality and Material etc paid separately I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement rate, i/c all cost of labour, material charges etc complete.	105.0	77.00	P.Rft	8,085


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
11	Providing & Fixing Hand pump Machine i/c fitting and fixing i/c etc complete.	1.0	4500.00	P.No	4,500
12	P/F COMPACTE BALL VALVE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of verious sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete. 1-1/4" dia	2.0	652.35	P.No	1,305
Total of Non Schedule Items					62,891
Total of Schedule Items					34,153
G.Total:					97,044


XEN

(13)

(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY / ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS SACHE BUX JAGIRANI (REHAB:) / GGPS KEHAR (REHAB:) / GBLSS SHER MUHAMMAD JAMALI (REHAB: / C/WALL) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT.
1	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (S.I.No.20 P/11)	476.0	5445.00	% Cft	25,918
2	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	678.0	3327.50	% Cft	22,560
3	Remoning cement or lime plaster. (S.i.No.53 P/13).	4866.0	121.00	% Sft	5,888
4	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	896.0	1285.63	% Cft	11,519
5	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	4866.0	660.00	% Sft	32,116
6	Cement concrete brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	646.0	8694.95	%Cft	56,169
(B)	Ratio 1:6:12	261	8122.95	%Cft	21,201
7	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	40.0	11948.36	%Cft	4,779
8	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	1160.0	337.00	P.Cft	390,920
9	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	71.651	5001.70	P.Cwt	358,377
10	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	311.0	1141.25	%Cft	3,549
11	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	660.0	10.70	P.Sft	7,062
12	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	1211.0	12674.36	%Cft	153,486
13	Pacca brick work other than building including striking of joints upto 20' ft: height in (e) cement sand mortar 1:6 (S.I.No.7 (e) P/21).	1497.0	12346.65	%Cft	184,829
14	Single layer of tiles 9" x4" 1/2" x2" laid over 4" earth 1" mud plaster without Bhoosa grouted with cement sand 1:3 on top of R: C:C slab provide with 34 Lbs. Bituman coating sand blined. (S.I.No: 5 P/33).	660.0	5310.35	% Sft	35,048

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
15	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	87.0	228.90	P.Rft	19,914
16	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded higues and fixing at site with necessary hold fosts filling with cement sand reparng i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	180.0	240.50	P.Rft	43,290
17	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	9330.0	2206.60	%Sft	205,876
18	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	9330.0	2197.52	%Sft	205,029
19	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	4416.0	1287.44	% Sft	56,853
20	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	7844.0	1887.40	% Sft	148,048
21	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	349.0	902.93	P.Sft	315,123
22	Notice board made with cement. (S.I.No: 1 P/94).	64.0	58.11	P.Sft	3,719
23	Providing and laying 1" thick topping cement concerate (1:2:4) including surface finishing andndividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	3685.0	4411.82	%Sft	162,576
(B)	2" Thick	1198.0	3275.50	%Sft	39,240
(C)	1:1/2" Thick	1361.0	2548.29	%Sft	34,682
24	Cement Concerate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	587.0	14429.25	% Cft	84,700
25	Cement Pointing 1:2 flash on floor. (S.I.No: 18 P/52).	660.0	939.57	% Cft	6,201
26	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	66.0	1778.50	P.Sft	117,381

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
27	Laying floors of approved coloured glazed tiles 1/4" thick laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2. (S.I. No: 25 P/42).	429.0	27747.06	% Sft	119,035
28	P/F iron steel grill door with angle iron frame of 1-1/2" x 1-1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in Charge. (S.I.No.71P/93).	132.0	231.60	P.Sft	30,571
29	Making and fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2"3/8" & 3/4" sq: bars 4" centre to centre with locking arrangement. (S.I.No: 24 P. 97).	60.0	726.72	P.Sft	43,603
30	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	3325.0	307.00	P. Sft	1,020,775
31	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	465.0	186.04	P.Sft	86,509
32	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill). (S.I.No.26 P/92).	216.0	180.50	P.Sft	38,988
33	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packes rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	1584.0	<u>3918.20</u> 1422.58	% Sft	22,534
34	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc complete. (S.I.No: 74 P/49).	1895.0	199.77	P.Sft	378,564

3
XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
35	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar ratio 1:2 complete. (S.I.No.24 P/42).	215.0	27678.86	% Sft	59,510
36	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	215.0	28253.61	% Sft	60,745
37	Preparing the surface and painting with enamel paint masonry walls.(S.I.No: 31 P/72).	950.0	1451.04	% Sft	13,785
38	White washing three coats. (S.I.No.26 (c) P/53).	5776.0	829.95	% Sft	47,938
39	Primary coat of chalk distempering. (S.I.No.23 P/57).	12241.0	442.75	% Sft	54,197
40	Distempering three coats. (S.I.No.24 (c) P/53).	19627.0	1079.65	% Sft	211,903
41	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	2612.0	1948.10	% Sft	50,884
(B)	<u>Old Surface</u>	9825.0	1498.48	% Sft	147,226
42	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1628.0	2116.41	% Sft	34,455
43	Painting guard bars , gates iron bars gratings railings i/c standard barse etc: smiler open works.	388.0	1270.83	% Sft	4,931
(B)	<u>Old Surface</u>	378.0	674.60	% Sft	2,550
				G.Total;	5,151,358


XEN

**REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /
ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS RATOKOT
(REHAB: / ADD: 5-C/R / LAV:) TALUKA LARKANA**

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	362.0	3327.50	% Cft	12,046
2	Remoning cement or lime plaster. (S.i.No.53 P/13).	1558.0	121.00	% Sft	1,885
3	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	1558.0	660.00	% Sft	10,283
4	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	3729.0	3176.25	%0. Cft	11,844
5	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	2021.0	8694.95	%Cft	175,725
(B)	Ratio 1:6:12	20	8122.95	%Cft	1,625
6	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	3879.0	11948.36	%Cft	463,477
7	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	2385.0	337.00	P.Cft	803,745
8	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	117.571	5001.70	P.Cwt	588,055
9	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	9842.0	1141.25	%Cft	112,322
10	Extra Lead (1.0 Mile)	9842.0	407.00	%Cft	40,057
11	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	739.0	3327.50	% Cft	24,590
12	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	1478.0	10.70	P.Sft	15,815
13	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	4076.0	12674.36	%Cft	516,607
14	Single layer of tiles 9" x4" 1/2" x2" laid over 4" earth 1" mud plaster without Bhoosa grouted with cement sand 1:3 on top of R: C:C slab provide with 34 Lbs. Bituman coating sand blined. (S.I.No: 5 P/33).	940.0	5310.35	% Sft	49,917

XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
15	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	120.0	228.90	P.Rft	27,468
16	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fosta filling with cement sand repairing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	442.0	240.50	P.Rft	106,301
17	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	4.275	3550.00	P.Cwt	15,176
18	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	90.0	28.23	P.No	2,541
19	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	11276.0	2206.60	%Sft	248,816
20	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	11276.0	2197.52	%Sft	247,792
21	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	2142.0	1287.44	% Sft	27,577
22	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	3393.0	1887.40	% Sft	64,039
23	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats, hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	423.0	902.93	P.Sft	381,939
24	Extra labour rate for making cemet plaster patta/band around straight are couyard oppening and around the edges of roof slabs the wight not less tham 6' with fine finishing as directed by Engineer Incharge. (S.I.NO.35 P/54)	145.0	19.36	P. Rft	2,807
25	Notice board made with cement. (S.I.No: 1 P/94).	160.0	58.11	P.Sft	9,298
26	Providing and laying 1" thick topping cement concreate (1:2:4) including surface finishing anddividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	2142.0	4411.82	%Sft	94,501
(B)	<u>2" Thick</u>	3315.0	3275.50	%Sft	108,583
(C)	<u>1:1/2" Thick</u>		2548.29	%Sft	-

 XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
27	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	531.0	14429.25	% Cft	76,619
28	Cement Pointing 1:2 flash on floor. (S.I.No: 18 P/52).	940.0	939.57	% Cft	8,832
29	Earth filling over roof including watering ramming with 1" mud plaster finished with gobi leaping. (b 4" thick earth filling and 1" mud plaster. (S.I.No: 11 (b) P/34).	940.0	807.29	% Sft	7,589
30	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	3229.0	307.00	P. Sft	991,303
31	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	414.0	186.04	P.Sft	77,021
32	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size plate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill).(S.I.No.26 P/92).	447.0	180.50	P.Sft	80,684
33	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	4500.0	<u>3918.20</u> 1422.58	% Sft	64,016
34	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / pattern and design etc complete. (S.I.No: 74 P/49).	4500.0	199.77	P.Sft	898,965


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
35	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar ratio 1:2 complete. (S.I.No.24 P/42).	120.0	27678.86	% Sft	33,215
36	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.0	28253.61	% Sft	49,726
37	Filling watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift upto 5 feet. (S.I.No: 21 P/4).	2105.0	1512.50	%0Cft	3,184
38	Extra labour rate making grooves of 1"x1/4" or 3/4"x1/2" plastered surface with true edges both vertically and horizontally with uniform depth and with groove base smoothly finished etc complete as per instruction horizontally with uniform depth and with groove base smoothly finished etc complete as per instruction	278.0	7.71	P Rft	2,143
39	White washing three coats. (S.I.No.26 (c) P/53).	93.0	829.95	% Sft	772
(B)	White washing two coats. .	876.0	425.84	% Sft	3,730
40	Primary coat of chalk distempering. (S.I.No.23 P/57).	6900.0	442.75	% Sft	30,550
41	Distempering three coats. (S.I.No.24 (c) P/53).	6900.0	1079.65	% Sft	74,496
(B)	Distempering two coats.	6962.0	1043.90	% Sft	72,676
42	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (c) P/55).	4001.0	1948.10	% Sft	77,943
(B)	Old Surface	2020.0	1498.48	% Sft	30,269
43	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	830.0	2116.41	% Sft	17,566
(B)	Old Surface	639.0	1160.06	% Sft	7,413
				G.Total;	6,773,543

XEN

(B.O.Q) (SANITARY WORK)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	SANITARY WORK (Schedule Items)				
1	P/f squatting type white glazed earthen ware W.C pan of with i/c the cost of flushing cistern wit internal fitting and flush pipe with bend making good in cement concrete 1:2:4(i) W.C not less than 19" clear opening between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble.	2.0	4802.60	P.Each	9,605
2	P/F in position nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to nyloon connections.	2.0	447.15	P.No	894
3	S/F conceled stop cock of superior quality with C.P head 1/2" dia.	2.0	889.46	P.No	1,779
4	S/F long bib-cock of superior quality with C.P head 1/2" dia	2.0	1384.24	P.No	2,768
5	providing chambers (15"X19"(inside dimension)24" deep for house meters with 6" thick C.C 1:3:6 block set-on 1:6 cement mortar 6" thick C.C.1:4:8 in foundation 1/2" thick cement plaster 1:3. to all inside wall surface and to top 1" thick C.C 1:2:4. flooring complete with hinged clear opening (Wt: Qr) etc fixied in cement concerate 1:2:4. i/c curing excavation back filling & disposal of surplus earth etc.	1.0	5913.22	Each	5,913
5	S/F fibre glass tenk of approved qulity and design and wall thickness as apecoified i/c the cost of nute and bolts and fixing in plate iron of cement concerte 1:2:7 and making and commoction for inlet- outlet and over flow pipe etc complete .	150.0	87.95	P.G	13,193
				Total:	34,153


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMCUNT
SANITARY WORK (Non Schedule items)					
1	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separately recessed in Masonry, C.C or R-C-C upto 60' height and making good with C.C I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C all cost of labour, material charges Scaffolding Ladders etc complete (a) 1/2" Dia	20.0	66.81	P.No	1,336
	(b) 3/4" Dia	100.0	78.01	P.No	7,801
	(c) 4" Dia	30.0	397.77	P.No	11,933
2	P/F Bend/ Elbow (90 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of verious sizes fixed to UPVC pipe/fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per class 12454-B In accordance Incharge. Specifications of the material should meet the requirements of material, cartage, scaffolding / ladders etc. complete. (a) 1/2" Dia	5.0	101.39	P.No	507
	(b) 3/4" Dia	10.0	103.05	P.No	1,031
	(C) 1" Dia	6.0	125.90	P.No	755
	(d) 4" Dia	4.0	425.45	P.No	1,702
3	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D_ 1784 type 1 grade TEE 1. Rate includes all costs of labour, material cartage. (b) 3/4" Dia	10.0	110.40	P.No	1,104
	(c) 1" Dia	5.0	132.43	P.No	662
	(d) 4" Dia	2.0	712.75	P.No	1,426
4	P/F COUPLING / SCOKET of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (a) 3/4" Dia	12.0	98.15	P.No	1,178
	(b) 1" Dia	5.0	110.40	P.No	552
5	P/F UNION of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (a) 3/4" Dia	2.0	312.81	P.No	626

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
6	P/F UPVC PLUG ELBOW (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete 4" Dia	2.0	677.65	P.No	1,355
7	P/F UPVC PLUG TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete 4" Dia	2.0	847.42	P.No	1,695
8	P/F UPVC VENT COWEL (LOCAL) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete	2.0	187.93	P.No	376
9	Providing & Fixing approved quality A.C motor Mono block set made 1-1/4" x 1" suction and delivery, 1 H. Power single phase motor (Diamond / Siemens make or equal) i/c the cost of C.I fitting nuts, bolts etc complete.	1.0	14201.00	P.No	14,201
10	P/F Plastic Pipe of approved quality and Material etc paid separately I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement rate, i/c all cost of labour, material charges etc complete.	105.0	77.00	P.Rft	8,085
11	Providing & Fixing Hand pump Machine i/c fitting and fixing i/c etc complete.	1.0	4500.00	P.No	4,500
12	P/F COMPACTE BALL VALVE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete. 1-1/4" dia	2.0	652.35	P.No	1,305
Total of Non Schedule Items					62,891
Total of Schedule Items					34,153
G.Total:					97,044

(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY / ELEMENTARY) DISTRICT LARKANO (115-UNITS) (NON-ADP) AT GBPS JURIO CHANDIO (REHAB: / ADD: 2-C/R / C/WALL) GBPS WAPDA COLONY-II (REHAB:) GBPS GUL MUHAMMAD KHOSO (REHAB:) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling sirki Sarkanda or thatched roofing supported on bottens or ballies. (S.I.No.21 P/10).	532.0	817.10	% Sft	4,347
2	Dismantling brick work in mud mortar. (S.I.No.12 P/10).	793.0	529.38	% Cft	4,198
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	2697.00	378.13	% C.ft	10,198
4	Dismantling rolled steel beams, iron rails etc. (S.I.No.42 P/13).	24.00	126.04	P.Cwt	3,025
5	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	1047.0	3327.50	% Cft	34,839
6	Remoning cement or lime plaster. (S.i.No.53 P/13).	2783.0	121.00	% Sft	3,367
7	Dismantling brick work in lime or cement mortar. (S.I.No.13 P/10).	1139.0	1285.63	% Cft	14,643
8	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	2783.0	660.00	% Sft	18,368
9	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	2714.0	3176.25	%0. Cft	8,620
10	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	1558.0	8694.95	%Cft	135,467
(B)	Ratio 1:6:12	585	8122.95	%Cft	47,519
11	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	2963.0	11948.36	%Cft	354,030
12	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	1625.0	337.00	P.Cft	547,625
13	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	71.10	5001.70	P.Cwt	355,621
14	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	8705.0	1141.25	%Cft	99,346
15	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	203.0	3327.50	% Cft	6,755

XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing as per specification and instruction of Engineer incharge. (S.I.No: 38 P/37).	2205.0	10.70	P.Sft	23,594
17	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	5306.0	12674.36	%Cft	672,502
18	Pacca brick work other than building including striking of joints upto 20' ft: height in (e) cement sand mortar 1:6 (S.I.No.7 (e) P/21).	765.0	12346.65	%Cft	94,452
19	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	155.0	228.90	P.Rft	35,480
20	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hignes and fixing at site with necessary hold fosts filling with cement sand reparing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	487.0	240.50	P.Rft	117,124
21	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	2.710	3550.00	P.Cwt	9,621
22	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	54.0	28.23	P.No	1,524
23	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	13308	2206.60	%Sft	293,654
24	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	13180	2197.52	%Sft	289,633
25	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	3632.0	1287.44	% Sft	46,760
26	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	3118.0	1887.40	% Sft	58,849
27	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	490.0	902.93	P.Sft	442,436
28	Notice board made with cement. (S.I.No: 1 P/94).	256.0	58.11	P.Sft	14,876

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
29	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	3372.0	4411.82	%Sft	148,767
(B)	<u>2" Thick</u>	5136.0	3275.50	%Sft	168,230
30	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4. (S.I.No: 5 (f) P/ 15).	329.0	14429.25	% Cft	47,472
31	Cement Pointing 1:2 flash on floor. (S.I.No: 18 P/52).	899.0	939.57	% Cft	8,447
32	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	68.0	1778.50	P.Sft	120,938
33	Laying floors of approved coloured glazed tiles 1/4" thick laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2. (S.I. No: 25 P/42).	383.0	27747.06	% Sft	106,271
34	Making and fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2"3/8" & 3/4" sq: bars 4" centre to centre with locking arrangement. (S.I.No: 24 P. 97).	46.0	726.72	P.Sft	33,429
35	Suppling of T.Girders at site of Works	14.75	3850.00	P.Cwt	56,788
36	Supplying of T-Iron at the site of work	27.83	3575.00	P.Cwt	99,492
37	Errection and rolled steel beams or old rails in roof etc errection and fixing in position. (S.I.No. P/).	16.0	186.34	P.Sft	2,981
38	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1"6 with 34 Lbs. Of hot bituman coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortor with 1/2" thick sand wiched layer of 1:6 cement mortor including 1:2 cement pointing underside of tiles complete including curing etc. (S.I.No: 1 P/32).	899.0	11443.10	% Sft	102,873
39	Reinforced cement concerte spout i/c fixing in position with top and bottom khuras. (S.I.No: 27 P/18).	2	524.98	Each	1,050


XEN

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
40	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	1774.0	307.00	P. Sft	544,618
41	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	166.0	186.04	P.Sft	30,883
42	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size plate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill). (S.I.No.26 P/92).	839.0	180.50	P.Sft	151,440
43	Applying chemical polishing on existing mosaic / Marble flooring / dado including cleaning, grinding with carborandum stone / sand paper and applying chemical polish as per requirement. (S.I.No: 70 P/48).	925.0	36.60	P.Sft	33,855
44	White washing three coats. (S.I.No.26 (c) P/53).	2692.0	829.95	% Sft	22,342
(B)	White washing two coats. .	5258.0	425.84	% Sft	22,391
45	Primary coat of chalk distempering. (S.I.No.23 P/57).	7348.0	442.75	% Sft	32,533
46	Distempering three coats. (S.I.No.24 (c) P/53).	19467.0	1079.65	% Sft	210,175
47	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	4283.0	1948.10	% Sft	83,437
(B)	Old Surface	3819.0	1498.48	% Sft	57,227
48	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1828.0	2116.41	% Sft	38,688
49	Painting guard bars , gates iron bars gratings railings i/c standard barse etc: smiler open works.	1175.0	1270.83	% Sft	14,932
				G.Total;	5,887,731


XEN

16

TALUKA RATODERO PACKAGE:- (01 Units)

Name of Scheme:-

REHABILITATION & EXPANSION OF HIGH
PRIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS
RATODERO NO. 02 TALUKA RATODERO
DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	1042.00	5445.00	% C.ft	56,737
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	4098.00	1285.63	% C.ft	52,685
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	1109.00	378.13	% C.ft	4,193
4	Removing Doors with chowkats (S.I.No. 33(a) P/12)	5.00	142.18	P.No	711
5	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)	12.00	102.85	P.No	1,234
6	Cement concrete brick or stone ballast 1-1/2" to 2" gauge <u>Ratio 1:5:10</u> .(S.I No. 4 P/14)	278.00	8694.95	% Cft	24,172
7	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	888.00	11948.36	% Cft	106,101
8	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1170.00	337.00	P.Cft.	394,290
9	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)	4624.00	349.10	P.Cft.	1,614,238
10	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	258.660	5001.70	P.Cwt	1,293,740
11	Supply and filling sand under floor including plugging in to walls	3742.00	1141.25	% Cft	42,706
12	Pacca brick work in <u>Ground Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	2049.00	12674.36	% Cft	259,698
13	Pacca brick work in <u>First Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	4518.00	13112.99	% Cft	592,445
14	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	213.00	10.70	P.Sft	2,279
15	Making of Notice board made with cement (S.I No. 1 P/95).	32.00	58.11	P.Sft	1,860


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	3798.00	2206.60	% S.ft	83,807
17	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)	12116.00	2308.84	% S.ft	279,739
18	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I. No. 11(a) P/51) (Ground Floor)	3734.00	2197.52	% S.ft	82,055
19	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I. No. 11(a) P/51) (First Floor)	11860.00	2299.76	% S.ft	272,752
20	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	505.00	14429.25	% C.ft	72,868
21	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and reparing the jambs. The cost also i/c all carriage, tools and pla	313.00	228.90	P.Sft	71,646
22	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and reparing the jambs. The cost also i/c all carriage, tools and pla	1246.00	240.50	P.Sft	299,663
23	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	1036.00	902.93	P.Sft	935,435
24	M.S Barred windows squars bars 5/8" dia.	7.410	3550.00	P.Sft	26,306
25	Cutting & Fixing iron bars for barred windows.	156.00	28.23	P.Sft	4,404
26	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	56.00	226.02	P.Sft	12,657
27	Supply & Fixing in Position iron/steer grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I. No. 26 P/92)	396.00	180.50	P.Sft	71,478
28	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I. No. 30 P No. 93)	688.00	194.16	P.Sft	133,582
29	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F.).	640.00	4411.82	% S.ft	28,236
30	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F.)	5710.00	3502.38	% S.ft	199,986

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
31	Khapri of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).	214.00	8977.90	% C.ft	19,213
32	Cement pointing & striking of joints on walls ratio 1:2. <u>(Ground Floor)</u>	3347.00	1287.44	% C.ft	43,091
33	Primary coat of chalk distemper(S.I No. 23 P/53)	16558.00	442.75	% S.ft	73,311
34	Distemping Three Coats (S.I No. 24 ©P/53)	18030.00	1079.65	% S.ft	194,661
35	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	6737.00	1948.10	% S.ft	131,243
36	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	2311.00	2116.41	% S.ft	48,910
TOTAL RS:-					7,532,130


XEN

TALUKA RATODERO PACKAGE:- (02 Units)

(17)

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PRIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS
NAUDERO NO.01 & NAUDERO NO. 02
TALUKA RATODERO DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	3134.00	5445.00	% C.ft	170,646
2	Removing cement or lime plaster. (S.I No. 53 P/13)	1178.00	121.00	% C.ft	1,425
3	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	707.00	3176.25	% OCft	2,246
4	Cement concrete brick or stone ballast 1-1/2" to 2" gauge <u>Ratio 1:5:10</u> . (S.I No. 4 P/14)	915.00	8694.95	% Cft	79,559
5	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	629.00	11948.36	% Cft	75,155
6	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	165.00	337.00	P.Cft.	55,605
7	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	7.366	5001.70	P.Cwt	36,843
8	Pacca brick work in <u>Ground Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	386.00	12674.36	% Cft	48,923
9	Making of Notice board made with cement (S.I No. 1 P/95).	352.00	58.11	P.Sft	20,455
10	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (<u>Ground Floor</u>)	13797.00	2206.60	% S.ft	304,445
11	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (<u>Ground Floor</u>)	13797.00	2197.52	% S.ft	303,192
12	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)	11780.00	660.00	% S.ft	77,748
13	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	778.00	14429.25	% C.ft	112,260

XEN 1

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
14	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	340.00	228.90	P.Sft	77,826
15	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	311.00	240.50	P.Sft	74,796
16	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	1274.00	902.93	P.Sft	1,150,333
17	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6"good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)	315.00	3918.20	% S.ft	12,342
18	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape	1260.00	223.97	P.Sft	282,202
19	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	975.00	194.16	P.Sft	189,306
20	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	6080.00	4411.82	% S.ft	268,239
21	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (F.F).	6080.00	4638.70	% S.ft	282,033
22	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)	3259.00	3502.38	% S.ft	114,143
23	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	13012.00	1887.40	% S.ft	245,588
24	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	387.00	1287.44	% C.ft	4,982
25	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	5352.00	30509.77	% S.ft	1,632,883

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
26	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	259.00	27678.80	% S.ft	71,688
27	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	788.00	28253.61	% S.ft	222,638
28	Primary coat of chalk distemper(S.I No. 23 P/53)	5150.00	442.75	% S.ft	22,802
29	Distemping Three Coats (S.I No. 24 ©P/53)	28481.00	1079.65	% S.ft	307,495
30	Distemping Two Coats (S.I No. 24 ©P/53)	22335.00	1043.90	% S.ft	233,155
31	White wash three coats.	75.00	829.95	% S.ft	622
32	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	25478.00	1948.10	% S.ft	496,337
33	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	2771.00	2116.41	% S.ft	58,646
34	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	4368.00	1212.21	% S.ft	52,949
TOTAL RS:-					7,089,506


XEN

TALUKA RATODERO PACKAGE NO:- 1**GBPS NAUDERO-II****BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)**

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
2	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.	2.00	889.46	P.No	1,779
3	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
4	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.	2.00	365.42	Ech	731
5	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	200.00	87.95	P.Gallon	17,590
6	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia	200.00	78.01	P. No.	15,602
	1" Dia	170.00	97.91	P. No.	16,645
	4" Dia	50.00	397.77	P. No.	19,889
7	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.	2.00	103.05	P. No.	206
	3/4" Dia	2.00	110.40	P. No.	221
	1" Dia	2.00	132.43	P. No.	265
	4" Dia	2.00	712.75	P. No.	1,426


XEN

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
8	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set-one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.	2	5913.22	P.Each	11,826
9	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of verious sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia	2.00	98.15	P. No.	196
	1" Dia	2.00	110.40	P. No.	221
10	P/F approved quality A.C Motor Mono Block Set made 1-1/4"x1" suction and Delivery 1 H Power Single Phase Motor (Diamond / Siemence make or equal) i/c Cost of C.I Fitting Nats Bolts etc complete (R.A)	1	14201.00	P. No.	14,201
11	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter	10.00	76.05	P.No	761
(B)	Boring	90.00	77.00	P.Rft	6,930
(C)	Machine	1.00	4500.00	Each	4,500
TOTAL RS:-					126,612


XEN

TALUKA RATODERO PACKAGE:- (03 Units)

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PERIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GGPS
MADARSATUL GURBA (03 ADD: C/R),
GBPS MUBARAK SHAH & WANDH
BHUTTA TALUKA RATODERO

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	740.00	5445.00	% C.ft	40,293
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	436.00	1285.63	% C.ft	5,605
3	Dismantling cement concrete plain Ratio 1:2:4.	1606.00	3327.50	% C.ft	53,440
4	Removing cement or lime plaster, (S.I No. 53 P/13)	5321.00	121.00	% C.ft	6,438
5	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	2271.00	3176.25	% OCft	7,213
6	Cement concrete brick or stone ballast 1-1/2" to 2" gauge <u>Ratio 1:5:10</u> , (S.I No. 4 P/14)	1808.00	8694.95	% Cft	157,205
7	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2744.00	11948.36	% Cft	327,863
8	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	2327.00	337.00	P.Cft.	784,199
9	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	103.884	5001.70	P.Cwt	519,597
10	Supply and filling sand under floor including plugging in to walls	3102.00	1141.25	% Cft	35,402
11	Extra Lead (03 Miles)	3102.00	579.41	% C.ft	17,973
12	Pacca brick work in <u>Ground Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	658.00	12674.36	% Cft	83,397
13	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	406.00	10.70	P.Sft	4,344
14	Making of Notice board made with cement (S.I No. 1 P/95).	96.00	58.11	P.Sft	5,579
15	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (<u>Ground Floor</u>)	5335.00	2206.60	% S.ft	117,722
16	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (<u>Ground Floor</u>)	5335.00	2197.52	% S.ft	117,238
17	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)	5321.00	3015.76	% S.ft	160,469

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
18	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	409.00	14429.25	% C.ft	59,016
19	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and reparing the jambs. The cost also i/c alll carriage, tools and pla	91.00	228.90	P.Sft	20,830
20	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and reparing the jambs. The cost also i/c alll carriage, tools and pla	364.00	240.50	P.Sft	87,542
21	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	596.00	902.93	P.Sft	538,146
22	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	34.00	1778.50	P.Sft	60,469
23	M.S Barred windows squars bars 5/8" dia.	3.705	3550.00	P.Sft	13,153
24	Cutting & Fixing iron bars for barred windows.	78.00	28.23	P.Sft	2,202
25	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	1514.00	1512.50	% 0Cft	2,290
26	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)	446.00	180.50	P.Sft	80,503
27	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	102.00	194.16	P.Sft	19,804
28	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in chrg.(S.I No. 31 P No. 94)	96.00	231.60	P.Sft	22,234
29	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	4185.00	4411.82	% S.ft	184,635
30	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2041.00	3275.50	% S.ft	66,853

2
XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
31	Providing and Laying 2" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)	3977.00	3502.38	% S.ft	139,290
32	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	6794.00	1887.40	% S.ft	128,230
33	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	1165.00	1287.44	% C.ft	14,999
34	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	3182.00	30509.77	% S.ft	970,821
35	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).	711.00	307.00	P.Sft	218,277
36	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)	960.00	186.04	P.Sft	178,598
37	Primary coat of chalk distemper(S.I No. 23 P/53)	9650.00	442.75	% S.ft	42,725
38	Distemping Three Coats (S.I No. 24 ©P/53)	14380.00	1079.65	% S.ft	155,254
39	Distemping Two Coats (S.I No. 24 ©P/53)	6259.00	1043.90	% S.ft	65,338
40	White wash three coats.	1825.00	829.95	% S.ft	15,147
41	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	10163.00	1948.10	% S.ft	197,985
42	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1200.00	2116.41	% S.ft	25,397
43	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	1112.00	1212.21	% S.ft	13,480
44	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	534.00	1270.83	% S.ft	6,786
TOTAL RS:-					5,773,978


XEN

TALUKA RATODERO PACKAGE NO:- 1**GBPS MUBARAK SHAH****BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)**

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4. (i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	S/F Concealed Stop Cock of Superior Quality with C.P head 1/2" Dia.	2.00	889.46	P.No	1,779
	S/F Long bib cock of superior quality with C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.	2.00	365.42	Ech	731
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.Gallon	13,193
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separately recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia	60.00	78.01	P. No.	4,681
	1" Dia	10.00	97.91	P. No.	979
	4" Dia	6.00	397.77	P. No.	2,387
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.	2.00	103.05	P. No.	206
	3/4" Dia	2.00	110.40	P. No.	221
	1" Dia	2.00	132.43	P. No.	265
	4" Dia	2.00	712.75	P. No.	1,426


XEN 1

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of verious sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia	2.00	98.15	P. No.	196
	1" Dia	2.00	110.40	P. No.	221
	P/F approved quality A.C Motor Mono Block Set made 1-1/4"x1" suction and Delivery 1 H Power Single Phase Motor (Diamond / Siemence make or equal) i/c Cost of C.I Fitting Nats Bolts etc complete (R.A)	1	18470.00	P. No.	18,470
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter	10.00	76.05	P.No	761
(B)	Boring	70.00	77.00	P.Rft	5,390
(C)	Machine	1.00	4500.00	Each	4,500
TOTAL RS:-					63,508


XEN

TALUKA RATODERO PACKAGE:- (02 Units)

(19)

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PERIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS
FATEHPUR (REHAB: & 02 ADD: C/R),
GBPS CHAJJRA (REHAB: & 02 ADD: C/R)
TALUKA RATODERO DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	312.00	5445.00	% C.ft	16,988
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	261.00	1285.63	% C.ft	3,355
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	1109.00	378.13	% C.ft	4,193
4	Dismantling cement concrete plain Ratio 1:2:4.	4536.00	3327.50	% C.ft	150,935
5	Removing cement or lime plaster. (S.I No. 53 P/13)	4219.00	121.00	% C.ft	5,105
6	Dismantling rolled steel (S.I No. 42 P/13).	18.83	126.04	P. Cwt	2,373
7	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	3755.00	3176.25	% 0Cft	11,927
8	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10. (S.I No. 4 P/14)	1183.00	8694.95	% Cft	102,861
9	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:4:8. (S.I No. 4 P/14)	237.00	9416.28	% Cft	22,317
10	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	1842.00	11948.36	% Cft	220,089
11	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	2601.00	337.00	P.Cft.	876,537
12	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)	608.00	349.10	P.Cft.	212,253
13	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	143.259	5001.70	P.Cwt	716,539
14	Supply and filling sand under floor including plugging in to walls	2380.00	1141.25	% Cft	27,162
15	Extra Lead (03 Miles)	988.00	579.41	% C.ft	5,725
16	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	3074.00	12674.36	% Cft	389,610

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
17	Pacca brick work in First Floor i/c striking of joints in cement sand mortar ratio 1:6.	705.00	13112.99	% Cft	92,447
18	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	217.00	10.70	P.Sft	2,322
19	Making of Notice board made with cement (S.I No. 1 P/95).	288.00	58.11	P.Sft	16,736
20	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	5767.00	2206.60	% S.ft	127,255
21	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)	1380.00	2308.84	% S.ft	31,862
22	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	5735.00	2197.52	% S.ft	126,028
23	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)	1348.00	2299.76	% S.ft	31,001
24	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)	4215.00	3015.76	% S.ft	127,114
25	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	681.00	14429.25	% C.ft	98,263
26	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	120.00	228.90	P.Sft	27,468
27	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	448.00	240.50	P.Sft	107,744
28	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	684.00	902.93	P.Sft	617,604
29	M.S Barred windows squars bars 5/8" dia.	2.464	3550.00	P.Sft	8,747
30	Cutting & Fixing iron bars for barred windows.	36.00	28.23	P.Sft	1,016
31	Supplying of T- Iron at Site of Work (Schedule of Material).	18.83	3575.00	P.Cwt	67,317
32	Errrection of Rolled Steel Beam etc (S.I No. 6 P/91).	18.83	186.34	P.Cwt	3,509
33	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	159.00	226.02	P.Sft	35,937
34	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	440.00	194.16	P.Sft	85,430

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
35	First Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri keeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wicheed layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).	1109.00	11443.10	% S.ft	126,904
36	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (F.F).	5454.00	4638.70	% S.ft	252,995
37	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	1362.00	3275.50	% S.ft	44,612
38	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)	4468.00	3502.38	% S.ft	156,486
39	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	5510.00	1887.40	% S.ft	103,996
40	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	1513.00	1287.44	% C.ft	19,479
41	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	4877.00	30509.77	% S.ft	1,487,961
42	Primary coat of chalk distemper(S.I No. 23 P/53)	10868.00	442.75	% S.ft	48,118
43	Distemping Three Coats (S.I No. 24 ©P/53)	25951.00	1079.65	% S.ft	280,180
44	White wash three coats.	1048.00	829.95	% S.ft	8,698
45	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	8698.00	1948.10	% S.ft	169,446
46	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1304.00	2116.41	% S.ft	27,598
47	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	1392.00	1212.21	% S.ft	16,874
TOTAL RS:-					7,119,116


XEN

GBPS FATEH PURBILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	3.00	4802.6	P.No	14,408
2	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n	3.00	4828	P.No	14,484
3	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed	3.00	2533.47	P.No	7,600
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to Nyloon connections.	3.00	447.15	P.No	1,341
5	P/F 15"x12" beveled edge mirror of belgium glass complete with 1/8" thick hard board and CP screw fixed to wooden pleat (a) Standard pattern. (S.I No. 03 (a) P/7).	3.00	2376.00	P.No	7,128
6	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.	3.00	889.46	P.No	2,668
7	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	3.00	1384.24	P.No	4,153
8	S/F Swan type pillar cock of superior quality etc:	3.00	877.8	P.G	2,633
9	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia	100.00	78.01	P. No.	7,801
	1/2" Dia	100.00	66.81	P. No.	6,681
	1" Dia	100.00	97.91	P. No.	9,791
	4" Dia	100.00	397.77	P. No.	39,777


XEN

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
10	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).	1	18470.00	P. No.	18,470
11	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>Boring</u>	90.00	77.00	P.Rft	6,930
(C)	<u>Machine</u>	1.00	4500.00	Each	4,500
TOTAL RS:-					149,427


XEN

TALUKA RATODERO PACKAGE:- (02 Units)

20

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PERIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS
BANGULDERO (MAIN), GBPS
BANGULDERO (REHAB) TALUKA
RATODERO DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	4245.00	5445.00	% C.ft	231,140
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	6362.00	1285.63	% C.ft	81,792
3	Dismantling cement concrete plain Ratio 1:2:4.	731.00	3327.50	% C.ft	24,324
4	Removing cement or lime plaster. (S.I No. 53 P/13)	8311.00	121.00	% C.ft	10,056
5	Dismantling rolled steel (S.I No. 42 P/13).	7.00	126.04	P. Cwt	882
6	Removing Windows & Sky Light with chowkets.(S.I.NO. 33(b) P/12)	21.00	102.85	P.No	2,160
7	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10.(S.I No. 4 P/14)	768.00	8694.95	% Cft	66,777
8	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2324.00	11948.36	% Cft	277,680
9	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	4303.00	337.00	P.Cft.	1,450,111
10	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)	337.00	349.10	P.Cft.	117,647
11	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	207.130	5001.70	P.Cwt	1,036,002
12	Supply and filling sand under floor including plugging in to walls	6396.00	1141.25	% Cft	72,994
13	Pacca brick work in <u>Ground Floor</u> i.e striking of joints in cement sand mortar ratio 1:6.	6104.00	12674.36	% Cft	773,643
14	Pacca brick work in <u>First Floor</u> i.e striking of joints in cement sand mortar ratio 1:6.	1071.00	13112.99	% Cft	140,440
15	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	629.00	10.70	P.Sft	6,730
16	Making of Notice board made with cement (S.I No. 1 P/95).	224.00	58.11	P.Sft	13,017
17	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (<u>Ground Floor</u>)	11909.00	2206.60	% S.ft	262,784
18	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (<u>First Floor</u>)	1350.00	2308.84	% S.ft	31,169

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
19	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	11909.00	2197.52	% S.ft	261,703
20	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)	1350.00	2299.76	% S.ft	31,047
21	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)	6599.00	3015.76	% S.ft	199,010
22	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)	1712.00	660.00	% S.ft	11,299
23	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	415.00	14429.25	% C.ft	59,881
24	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c alll carriage, tools and pla	126.00	228.90	P.Sft	28,841
25	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c alll carriage, tools and pla	588.00	240.50	P.Sft	141,414
26	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	412.00	902.93	P.Sft	372,007
27	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	80.00	194.16	P.Sft	15,533
28	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F.) .	9566.00	4411.82	% S.ft	422,035
29	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (F.F.) .	280.00	4638.70	% S.ft	12,988
30	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)	626.00	3502.38	% S.ft	21,925
31	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	9852.00	1887.40	% S.ft	185,947
32	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	3325.00	1287.44	% C.ft	42,807
33	P/L Glazed tile 6"x6" 1/4 on floor pn wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	3201.00	30509.77	% S.ft	976,618

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
34	Primary coat of chalk distemper(S.I No. 23 P/53)	26457.00	442.75	% S.ft	117,138
35	Distemping Three Coats (S.I No. 24 ©P/53)	24745.00	1079.65	% S.ft	267,159
36	Distemping Two Coats (S.I No. 24 ©P/53)	7272.00	1043.90	% S.ft	75,912
37	White wash three coats.	2692.00	829.95	% S.ft	22,342
38	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	13975.00	1948.10	% S.ft	272,247
39	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	3744.00	2116.41	% S.ft	79,238
40	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	912.00	1212.21	% S.ft	11,055
TOTAL RS:-					8,227,497


XEN

TALUKA RATODERO PACKAGE:- (02 Units)

(21)

Name of Scheme:-

REHABILITATION & EXPANSION OF HIGH
PRIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS WARIS
DINO MACHI (REHAB: & 03 ADD: C/R),
GBPS BHAI KHAN GHANGHRO (01 ADD:
C/R C/WALL) TALUKA RATODERO

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	877.00	5445.00	% C.ft	47,753
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	835.00	1285.63	% C.ft	10,735
3	Dismantling cement concrete plain Ratio 1:2:4.	464.00	3327.50	% C.ft	15,440
4	Removing cement or lime plaster. (S.I No. 53 P/13)	1438.00	121.00	% C.ft	1,740
5	Removing Doors with chowkats (S.I.No. 33(a) P/12)	2.00	142.18	P.No	284
6	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	3895.00	3176.25	% OCft	12,371
7	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 . (S.I No. 4 P/14)	2323.00	8694.95	% Cft	201,984
8	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	4779.00	11948.36	% Cft	571,012
9	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	3283.00	337.00	P.Cft.	1,106,371
10	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	146.573	5001.70	P.Cwt	733,114
11	Supply and filling sand under floor including plugging in to walls	4364.00	1141.25	% Cft	49,804
12	Extra Lead (03 Miles)	3102.00	579.41	% C.ft	17,973
13	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	2119.00	12674.36	% Cft	268,570
14	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	531.00	10.70	P.Sft	5,682
15	Making of Notice board made with cement (S.I No. 1 P/95).	128.00	58.11	P.Sft	7,438
16	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	11917.00	2206.60	% S.ft	262,961
17	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	11917.00	2197.52	% S.ft	261,878
18	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)	1438.00	3015.76	% S.ft	43,367



XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
19	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing stone aggregate without shuttering. Ratio 1:2:4	400.00	14429.25	% C.ft	57,717
20	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	161.00	228.90	P.Sft	36,853
21	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	460.00	240.50	P.Sft	110,630
22	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick. Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	417.00	902.93	P.Sft	376,522
23	M.S Barred windows squars bars 5/8" dia.	4.655	3550.00	P.Sft	16,525
24	Cutting & Fixing iron bars for barred windows.	98.00	28.23	P.Sft	2,767
25	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	2079.00	1512.50	% 0Cft	3,144
26	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	144.00	226.02	P.Sft	32,547
27	Supply & Fixing in Position iron/steer grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)	394.00	180.50	P.Sft	71,117
28	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	102.00	194.16	P.Sft	19,804
29	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	3015.00	4411.82	% S.ft	133,016
30	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	4008.00	3275.50	% S.ft	131,282
31	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	4016.00	1287.44	% C.ft	51,704

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
33	Pacca brick work other than building i/c striking of joint in cement sand mortar ratio 1:6.	1479.00	12346.65	% C.ft	182,607
34	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	2238.00	30509.77	% S.ft	682,809
35	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).	711.00	307.00	P.Sft	218,277
36	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	189.00	27678.80	% S.ft	52,313
37	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	244.00	28253.61	% S.ft	68,939
38	Primary coat of chalk distemper(S.I No. 23 P/53)	8322.00	442.75	% S.ft	36,846
39	Distempring Three Coats (S.I No. 24 ©P/53)	11651.00	1079.65	% S.ft	125,790
40	Distempring Two Coats (S.I No. 24 ©P/53)	4127.00	1043.90	% S.ft	43,082
41	White wash three coats.	2265.00	829.95	% S.ft	18,798
42	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	6947.00	1948.10	% S.ft	135,335
43	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	834.00	2116.41	% S.ft	17,651
44	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	400.00	1212.21	% S.ft	4,849
45	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	96.00	1270.83	% S.ft	1,220
TOTAL RS:-					6,311,088


XEN

TALUKA RATODERO PACKAGE NO:- 1**GBPS WARIS DINO MACHI****BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)**

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.	2.00	889.46	P.No	1,779
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.	2.00	365.42	Ech	731
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.Gallon	13,193
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia	60.00	78.01	P. No.	4,681
	1" Dia	10.00	97.91	P. No.	979
	4" Dia	6.00	397.77	P. No.	2,387
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of verious sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.	2.00	103.05	P. No.	206
	3/4" Dia	2.00	110.40	P. No.	221
	1" Dia	2.00	132.43	P. No.	265
	4" Dia	2.00	712.75	P. No.	1,426



XEN

No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia	2.00	98.15	P. No.	196
	1" Dia	2.00	110.40	P. No.	221
	P/F approved quality A.C Motor Mono Block Set made 1-1/4"x1" suction and Delivery 1 H Power Single Phase Motor (Diamond / Siemence make or equal) i/c Cost of C.I Fitting Nats Bolts etc complete (R.A)	1	18470.00	P. No.	18,470
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>Boring</u>	70.00	77.00	P.Rft	5,390
(C)	<u>Machine</u>	1.00	4500.00	Each	4,500
TOTAL RS:-					63,508


XEN

TALUKA RATODERO PACKAGE:- (02 Units)

22

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PERIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS O.C
NAUDERO (REHAB: & 03 ADD: C/R),
GBPS KHUDA BUX PHULPOTO (REHAB:)
TALUKA RATODERO DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	362.00	5445.00	% C.ft	19,711
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	1709.00	1285.63	% C.ft	21,971
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	1091.00	378.13	% C.ft	4,125
4	Dismantling rolled steel (S.I No. 42 P/13).	23.589	126.04	P. Cwt	2,973
5	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	2271.00	3176.25	% OCft	7,213
6	Cement concrete brick or stone ballast 1-1/2" to 2" gauge <u>Ratio 1:5:10</u> . (S.I No. 4 P/14)	2129.00	8694.95	% Cft	185,115
7	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	3326.00	11948.36	% Cft	397,402
8	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	2681.00	337.00	P.Cft.	903,497
9	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	119.687	5001.70	P.Cwt	598,638
10	Supply and filling sand under floor including plugging in to walls	5060.00	1141.25	% Cft	57,747
11	Extra Lead (03 Miles)	3102.00	579.41	% C.ft	17,973
12	Pacca brick work in <u>Ground Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	2286.00	12674.36	% Cft	289,736
13	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	625.00	10.70	P.Sft	6,688
14	Making of Notice board made with cement (S.I No. 1 P/95).	352.00	58.11	P.Sft	20,455
15	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (<u>Ground Floor</u>)	9990.00	2206.60	% S.ft	220,439
16	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (<u>Ground Floor</u>)	9990.00	2197.52	% S.ft	219,532


XEN
1

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
17	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	281.00	14429.25	% C.ft	40,546
18	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	207.00	228.90	P.Sft	47,382
19	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	779.00	240.50	P.Sft	187,350
20	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	726.00	902.93	P.Sft	655,527
21	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	34.00	1778.50	P.Sft	60,469
22	M.S Barred windows squars bars 5/8" dia.	3.705	3550.00	P.Sft	13,153
23	Cutting & Fixing iron bars for barred windows.	70.00	28.23	P.Sft	1,976
24	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)	595.00	3918.20	% S.ft	23,313
25	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape	2380.00	223.97	P.Sft	533,049
26	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	1514.00	1512.50	% OCft	2,290
27	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	96.00	226.02	P.Sft	21,698
28	Supply & Fixing in Position iron/steer grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)	226.00	180.50	P.Sft	40,793
29	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	182.00	194.16	P.Sft	35,337

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
30	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	4404.00	4411.82	% S.ft	194,297
31	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2041.00	3275.50	% S.ft	66,853
32	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	6342.00	1887.40	% S.ft	119,699
33	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	1765.00	1287.44	% C.ft	22,723
34	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	1056.00	30509.77	% S.ft	322,183
35	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortor 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).	711.00	307.00	P.Sft	218,277
36	Primary coat of chalk distemper(S.I No. 23 P/53)	8077.00	442.75	% S.ft	35,761
37	Distempring Three Coats (S.I No. 24 ©P/53)	8236.00	1079.65	% S.ft	88,920
38	Distempring Two Coats (S.I No. 24 ©P/53)	7582.00	1043.90	% S.ft	79,148
39	White wash three coats.	1825.00	829.95	% S.ft	15,147
40	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	7192.00	1948.10	% S.ft	140,107
41	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1176.00	2116.41	% S.ft	24,889
42	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	576.00	1212.21	% S.ft	6,982
TOTAL RS:-					5,971,087


XEN

TALUKA RATODERO PACKAGE:- (01 Units)

23

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PRIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS MORIA
FAKIR TALUKA RATODERO

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	626.00	5445.00	% C.ft	34,086
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	3627.00	1285.63	% C.ft	46,630
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	1007.00	378.13	% C.ft	3,808
4	Dismantling rolled steel (S.I No. 42 P/13).	27.750	126.04	P. Cwt	3,498
5	Removing Doors with chowkats (S.I.No. 33(a) P/12)	4.00	142.18	P.No	569
6	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)	12.00	102.85	P.No	1,234
7	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	2025.00	3176.25	% OCft	6,432
8	Cement concrete brick or stone ballast 1-1/2" to 2" gauge <u>Ratio 1:5:10</u> .(S.I No. 4 P/14)	1281.00	8694.95	% Cft	111,382
9	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2506.00	11948.36	% Cft	299,426
10	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	2033.00	337.00	P.Cft.	685,121
11	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)	137.00	349.10	P.Cft.	47,827
12	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	96.875	5001.70	P.Cwt	484,540
13	Supply and filling sand under floor including plugging in to walls	1240.00	1141.25	% Cft	14,152
14	Extra Lead (03 Miles)	988.00	579.41	% C.ft	5,725
15	Pacca brick work in <u>Ground Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	3760.00	12674.36	% Cft	476,556
16	Pacca brick work in <u>First Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	1796.00	13112.99	% Cft	235,509
17	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	480.00	10.70	P.Sft	5,136
18	Making of Notice board made with cement (S.I No. 1 P/95).	192.00	58.11	P.Sft	11,157
19	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (<u>Ground Floor</u>)	6743.00	2206.60	% S.ft	148,791



S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)	2816.00	2308.84	% S.ft	65,017
21	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I. No. 11(a) P/51) (Ground Floor)	6743.00	2197.52	% S.ft	148,179
22	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I. No. 11(a) P/51) (First Floor)	2816.00	2299.76	% S.ft	64,761
23	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	182.00	228.90	P.Sft	41,660
24	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	591.00	240.50	P.Sft	142,136
25	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	464.00	902.93	P.Sft	418,960
26	M.S Barred windows squars bars 5/8" dia.	4.940	3550.00	P.Sft	17,537
27	Cutting & Fixing iron bars for barred windows.	104.000	28.23	P.Sft	2,936
28	Supplying of T- Girders at Site of Work (Schedule of Material).	5.107	3850.00	P.Cwt	19,662
29	Supplying of T- Iron at Site of Work (Schedule of Material).	16.884	3575.00	P.Cwt	60,360
30	Errection of Rolled Steel Beam etc (S.I. No. 6 P/91).	37.55	186.34	P.Cwt	6,997
31	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	131.00	226.02	P.Sft	29,609
32	Supply & Fixing in Position iron/stee grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complee (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill). (S.I. No. 26 P/92)	275.00	180.50	P.Sft	49,638
33	First Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I. No. 1 P/33).	999.00	11443.10	% S.ft	114,317
34	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F.).	2511.00	4411.82	% S.ft	110,781
35	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (F.F.).	801.00	4638.70	% S.ft	37,156
36	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F.)	1362.00	3275.50	% S.ft	44,612


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
37	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	1362.00	1887.40	% S.ft	25,706
38	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	2172.00	1287.44	% C.ft	27,963
39	Primary coat of chalk distemper(S.I No. 23 P/53)	11278.00	442.75	% S.ft	49,933
40	Distemping Three Coats (S.I No. 24 ©P/53)	11278.00	1079.65	% S.ft	121,763
41	White wash three coats.	1652.00	829.95	% S.ft	13,711
42	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	3392.00	1948.10	% S.ft	66,080
43	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	928.00	2116.41	% S.ft	19,640
TOTAL RS:-					4,320,689


XEN

TALUKA RATODERO PACKAGE:- (02 Units)

24

Name of Scheme:-

**REHABILITATION & EXPANSION OF HIGH
PRIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS AGHAM-
I, GBPS WALIDAD GABBAR TALUKA
RATODERO DISTRICT LARKANO.**

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	1475.00	5445.00	% C.ft	80,314
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	3759.00	1285.63	% C.ft	48,327
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	1712.00	378.13	% C.ft	6,474
4	Dismantling cement concrete plain Ratio 1:2:4.	469.00	3327.50	% C.ft	15,606
5	Removing cement or lime plaster. (S.I No. 53 P/13)	963.00	121.00	% C.ft	1,165
6	Dismantling rolled steel (S.I No. 42 P/13).	56.110	126.04	P. Cwt	7,072
7	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10.(S.I No. 4 P/14)	942.00	8694.95	% Cft	81,906
8	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	1085.00	11948.36	% Cft	129,640
9	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1895.00	337.00	P.Cft.	638,615
10	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	84.598	5001.70	P.Cwt	423,134
11	Supply and filling sand under floor including plugging in to walls	6213.00	1141.25	% Cft	70,906
12	RCC Spouts	6.00	261.25	P. No	1,568
13	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	3759.00	12674.36	% Cft	476,429
14	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	308.00	10.70	P.Sft	3,296
15	Making of Notice board made with cement (S.I No. 1 P/95).	96.00	58.11	P.Sft	5,579
16	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	6316.00	2206.60	% S.ft	139,369
17	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	6216.00	2197.52	% S.ft	136,598
18	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)	963.00	3015.76	% S.ft	29,042


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
19	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	70.00	14429.25	% C.ft	10,100
20	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and reparing the jambs. The cost also i/c all carriage, tools and pla	89.00	228.90	P.Sft	20,372
21	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and reparing the jambs. The cost also i/c all carriage, tools and pla	324.00	240.50	P.Sft	77,922
22	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	1820.00	902.93	P.Sft	1,643,333
23	M.S Barred windows squars bars 5/8" dia.	3.710	3550.00	P.Sft	13,171
24	Cutting & Fixing iron bars for barred windows.	78.00	28.23	P.Sft	2,202
25	Supplying of T- Girders at Site of Work (Schedule of Material).	35.116	3850.00	P.Cwt	135,197
26	Supplying of T- Iron at Site of Work (Schedule of Material).	29.304	3575.00	P.Cwt	104,762
27	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).	64.42	186.34	P.Cwt	12,004
28	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	3900.00	4411.82	% S.ft	172,061
29	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2494.00	3275.50	% S.ft	81,691
30	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	1160.00	1287.44	% C.ft	14,934
31	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	861.00	30509.77	% S.ft	262,689
32	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortor 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).	436.00	307.00	P.Sft	133,852
33	Primary coat of chalk distemper (S.I No. 23 P/53)	7177.00	442.75	% S.ft	31,776
34	Distemping Three Coats (S.I No. 24 ©P/53)	5811.00	1079.65	% S.ft	62,738
35	Distemping Two Coats (S.I No. 24 ©P/53)	2987.00	1043.90	% S.ft	31,181
36	White wash three coats.	1956.00	829.95	% S.ft	16,234

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
37	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	3307.00	1948.10	% S.ft	64,424
38	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	712.00	2116.41	% S.ft	15,069
39	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	393.00	1212.21	% S.ft	4,764
40	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	855.00	1270.83	% S.ft	10,866
TOTAL RS:-					5,216,379


XEN

TALUKA RATODERO PACKAGE:- (02 Units)

25

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PERIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS
KHANWAH (REHAB: & 01 ADD: C/R),
GBPS SUHRAB MACHI (REHAB: &
C/WALL) TALUKA RATODERO

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	1025.00	5445.00	% C.ft	55,811
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	3627.00	1285.63	% C.ft	46,630
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	1007.00	378.13	% C.ft	3,808
4	Removing cement or lime plaster. (S.I No. 53 P/13)	3364.00	121.00	% C.ft	4,070
5	Dismantling rolled steel (S.I No. 42 P/13).	27.75	126.04	P. Cwt	3,498
6	Removing Doors with chowkats (S.I.No. 33(a) P/12)	4.00	142.18	P.No	569
7	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)	12.00	102.85	P.No	1,234
8	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	2024.00	3176.25	% 0Cft	6,429
9	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	1766.00	8694.95	% Cft	153,553
10	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2499.00	11948.36	% Cft	298,590
11	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	2438.00	337.00	P.Cft.	821,606
12	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)	137.00	349.10	P.Cft.	47,827
13	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	95.520	5001.70	P.Cwt	477,762
14	Supply and filling sand under floor including plugging in to walls	1527.00	1141.25	% Cft	17,427
15	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	3200.00	12674.36	% Cft	405,580
16	Pacca brick work in First Floor i.c striking of joints in cement sand mortar ratio 1:6.	1769.00	13112.99	% Cft	231,969
17	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	388.00	10.70	P.Sft	4,152


XEN¹

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
18	Making of Notice board made with cement (S.I No. 1 P/95).	256.00	58.11	P.Sft	14,876
19	Cement plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	11840.00	2206.60	% S.ft	261,261
20	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)	2816.00	2308.84	% S.ft	65,017
21	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	11840.00	2197.52	% S.ft	260,186
22	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)	2816.00	2299.76	% S.ft	64,761
23	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)	3364.00	660.00	% S.ft	22,202
24	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	179.00	14429.25	% C.ft	25,828
25	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	206.00	228.90	P.Sft	47,153
26	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	649.00	240.50	P.Sft	156,085
27	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	734.00	902.93	P.Sft	662,751
28	M.S Barred windows squars bars 5/8" dia.	5.890	3550.00	P.Sft	20,910
29	Cutting & Fixing iron bars for barred windows.	124.00	28.23	P.Sft	3,501
30	Supplying of T- Girders at Site of Work (Schedule of Material).	5.107	3850.00	P.Cwt	19,662
31	Supplying of T- Iron at Site of Work (Schedule of Material).	16.884	3575.00	P.Cwt	60,360
32	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).	37.55	186.34	P.Cwt	6,997
33	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6"good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)	613.00	3918.20	% S.ft	24,019
34	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape	2450.00	223.97	P.Sft	548,727
35	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	565.00	1512.50	% OCft	855
36	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	48.00	226.02	P.Sft	10,849

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
37	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)	393.00	180.50	P.Sft	70,937
38	First Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leaping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S.I No. 1 P/33).	999.00	11443.10	% S.ft	114,317
39	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	2721.00	4411.82	% S.ft	120,046
40	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (F.F).	801.00	4638.70	% S.ft	37,156
41	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	720.00	3275.50	% S.ft	23,584
42	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)	121.00	3502.38	% S.ft	4,238
43	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	3786.00	1887.40	% S.ft	71,457
44	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	4225.00	1287.44	% C.ft	54,394
45	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	121.00	12346.65	% C.ft	14,939
46	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.	48.00	726.72	P.Sft	34,883
47	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	1208.00	30509.77	% S.ft	368,558
48	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	205.00	27678.80	% S.ft	56,742
49	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	155.00	28253.61	% S.ft	43,793
50	Primary coat of chalk distemper(S.I No. 23 P/53)	17917.00	442.75	% S.ft	79,328
51	Distemping Three Coats (S.I No. 24 ©P/53)	10553.00	1079.65	% S.ft	113,935
52	Distemping Two Coats (S.I No. 24 ©P/53)	9521.00	1043.90	% S.ft	99,390
53	White wash three coats.	2092.00	829.95	% S.ft	17,363

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
54	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/5)	10327.00	1948.10	% S.ft	201,180
55	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1200.00	2116.41	% S.ft	25,397
56	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	456.00	1212.21	% S.ft	5,528
57	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	144.00	1270.83	% S.ft	1,830
TOTAL RS:-					6,415,504


XEN

TALUKA RATODERO PACKAGE NO:- 1**GBPS SUHRAB MACHI****BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)**

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
2	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set-one 1:6 cement mortar 6" thick C.C 1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.	2.00	5913.22	P.Each	11,826
3	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.	2.00	889.46	P.No	1,779
4	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
5	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.	2.00	365.42	Ech	731
6	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	250.00	87.95	P.Gallon	21,988
7	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia	100.00	78.01	P. No.	7,801
	1" Dia	150.00	97.91	P. No.	14,687
	4" Dia	50.00	397.77	P. No.	19,889



XEN

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
8	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.	2.00	103.05	P. No.	206
	3/4" Dia	2.00	110.40	P. No.	221
	1" Dia	2.00	132.43	P. No.	265
	4" Dia	2.00	712.75	P. No.	1,426
9	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixed to UPVC pipe / fitting paid separately using approved adhesive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia	8.00	98.15	P. No.	785
	1" Dia	8.00	110.40	P. No.	883
10	P/F approved quality A.C Motor Mono Block Set made 1-1/4"x1" suction and Delivery 1 H Power Single Phase Motor (Diamond / Siemence make or equal) i/c Cost of C.I Fitting Nats Bolts etc complete (R.A)	1	14201.00	P. No.	14,201
11	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter	10.00	76.05	P.No	761
(B)	Boring	90.00	77.00	P.Rft	6,930
(C)	Machine	1.00	4500.00	Each	4,500
TOTAL RS:-					116,853


XEN

TALUKA RATODERO PACKAGE:- (01 Units)

26

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PERIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBPS
NAUDERO 03 (REHAB: & 03 ADD: C/R)
TALUKA RATODERO DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	1201.00	5445.00	% C.ft	65,394
2	Removing cement or lime plaster. (S.I No. 53 P/13)	5451.00	121.00	% C.ft	6,596
3	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	2271.00	3176.25	% 0Cft	7,213
4	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 , (S.I No. 4 P/14)	1808.00	8694.95	% Cft	157,205
5	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2744.00	11948.36	% Cft	327,863
6	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1587.00	337.00	P.Cft.	534,819
7	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	70.848	5001.70	P.Cwt	354,360
8	Supply and filling sand under floor including plugging in to walls	3102.00	1141.25	% Cft	35,402
9	Extra Lead (03 Miles)	3102.00	579.41	% C.ft	17,973
10	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	577.00	12674.36	% Cft	73,131
11	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	406.00	10.70	P.Sft	4,344
12	Making of Notice board made with cement (S.I No. 1 P/95).	96.00	58.11	P.Sft	5,579
13	Cement Plaster 1:6 up to 12" height. 1 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	10543.00	2206.60	% S.ft	232,642
14	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	10543.00	2197.52	% S.ft	231,685
15	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)	5451.00	660.00	% S.ft	35,977
16	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	2139.00	14429.25	% C.ft	308,642


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
17	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and reparing the jambs. The cost also i/c all carriage, tools and pla	266.00	228.90	P.Sft	60,887
18	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and reparing the jambs. The cost also i/c all carriage, tools and pla	1089.00	240.50	P.Sft	261,905
19	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	690.00	902.93	P.Sft	623,022
20	M.S Barred windows square bars 5/8" dia.	3.705	3550.00	P.Sft	13,153
21	Cutting & Fixing iron bars for barred windows.	78.00	28.23	P.Sft	2,202
22	Laying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)	525.00	3918.20	% S.ft	20,571
23	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape	2100.00	223.97	P.Sft	470,337
24	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	1514.00	1512.50	% OCft	2,290
25	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	96.00	226.02	P.Sft	21,698
26	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)	1076.00	180.50	P.Sft	194,218
27	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	102.00	194.16	P.Sft	19,804
28	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	5575.00	4411.82	% S.ft	245,959
29	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2041.00	3275.50	% S.ft	66,853


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
30	Providing and Laying 2" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)	1920.00	3502.38	% S.ft	67,246
31	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	1165.00	1287.44	% C.ft	14,999
32	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	2473.00	30509.77	% S.ft	754,507
33	Primary coat of chalk distemper(S.I No. 23 P/53)	4086.00	442.75	% S.ft	18,091
34	Distempring Three Coats (S.I No. 24 ©P/53)	35497.00	1079.65	% S.ft	383,243
35	White wash three coats.	1825.00	829.95	% S.ft	15,147
36	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	13953.00	1948.10	% S.ft	271,818
37	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	2160.00	2116.41	% S.ft	45,714
38	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	1312.00	1212.21	% S.ft	15,904
TOTAL RS:-					5,988,391


XEN

TALUKA BAKRANI PACKAGE (27)**Name of Scheme:-**

REHABILITATION & EXPANSION OF HIGH
 PRIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS HYDER
 BROHI(04 ADD:C/ROOMS) TALUKA BAKRANI
 DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6	545.00	12595.00	% C.ft	68,643
2	Filling Watering and ramming earth in floors with surplus earth from foundation	2835.00	1512.50	% OCft	4,288
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling cement concrete plain Ratio 1:2:4.		3327.50	% C.ft	-
5	Removing cement or lime plaster. (S.I No. 53 P/13)		121.00	% C.ft	-
6	Dismantling rolled steel (S.I No. 42 P/13).		126.04	P. Cwt	-
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	4253.00	3176.25	% OCft	13,509
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10.(S.I No. 4 P/14)	795.00	8694.95	% Cft	69,125
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12.(S.I No. 4 P/14)	717.00	8122.95	% Cft	58,242
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	212.00	11948.36	% Cft	25,331
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	3377.00	337.00	P.Cft.	1,138,049
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)	99.00	349.10	P.Cft.	34,561
15	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	187.000	5001.70	P.Cwt	935,318
16	Supply and filling sand under floor including plugging in to walls	6559.00	1141.25	% Cft	74,855
17	Extra Labour rate for making cement plaster patta/band around straight are courtyard opening	184.00	19.36	% S.ft	3,562
18	Extra Lead (03 Miles)		579.41	% C.ft	-
19	Pacca brick work in <u>Ground Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	1513.00	12674.36	% Cft	191,763
20	Pacca brick work in <u>First Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	229.00	13112.99	% Cft	30,029



XEN

S. No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P & Single per la of polythene sheet 0.13 mm thick for water proggg as per specification	440.00	10.70	P.Sft	4,708
2	Making of Notice board made with cement (S.I No. 1 P/95).	128.00	58.11	P.Sft	7,438
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	7110.00	2206.60	% S.ft	156,889
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)	7546.00	2308.84	% S.ft	174,225
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)		2197.52	% S.ft	-
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	78.00	14429.25	% C.ft	11,255
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	87.00	228.90	P.Sft	19,914
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	295.00	240.50	P.Sft	70,948
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	325.00	902.93	P.Sft	293,452
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.	2.850	3550.00	P.Sft	10,118
35	Cutting & Fixing iron bars for barred windows.	60.00	28.23	P.Sft	1,694
36	Supplying of T- Girders at Site of Work (Schedule of Material).		3850.00	P.Cwt	-
37	Supplying of T- Iron at Site of Work (Schedule of Material).		3575.00	P.Cwt	-
38	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).		186.34	P.Cwt	-
39	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6"good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% OCft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	24.00	226.02	P.Sft	5,424
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)	98.00	180.50	P.Sft	17,689
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)		194.16	P.Sft	-
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embedded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S.I No. 1 P/33).		11443.10	% S.ft	-
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	1973.00	4411.82	% S.ft	87,045
49	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (F.F).		4638.70	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2054.00	3275.50	% S.ft	67,279
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3502.38	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	2054.00	1887.40	% S.ft	38,767
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	1468.00	1287.44	% C.ft	18,900
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.		12346.65	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.		726.72	P.Sft	-
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface, without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	488.00	27747.06	% S.ft	135,406
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.		28253.61	% S.ft	-
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement	33.00	34520.31	% S.ft	11,392
63	Primary coat of chalk distemper (S.I No. 23 P/53)	6459.00	442.75	% S.ft	28,597
64	Distemping Three Coats (S.I No. 24 ©P/53)	6459.00	1079.65	% S.ft	69,735
65	Distemping Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	1530.00	829.95	% S.ft	12,698
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	1854.00	1948.10	% S.ft	36,118
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	560.00	2116.41	% S.ft	11,852
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1212.21	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					3938815


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TALUKA BAKRANI PACKAGE (28)**Name of Scheme:-**

REHABILITATION & EXPANSION OF HIGH
 PRIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS HAJI ALTAJ
 UNAR (03 ADD: C/R LAV:) & GBPS GANJA TUNIA
 (REH: 01 ADD: C/R TALUKA BAKRANI DISTRICT
 LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6		12595.00	% C.ft	-
2	Filling Watering and ramming earth in floors with surplus earth from foundation	1514.00	1512.50	% OCft	2,290
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	2302.00	378.13	% C.ft	8,705
4	Dismantling cement concrete plain Ratio 1:2:4.	341.00	3327.50	% C.ft	11,347
5	Removing cement or lime plaster. (S.I No. 53 P/13)	1683.00	121.00	% C.ft	2,036
6	Dry bricks ramming (S.I No. 42 P/13).	137.00	3327.50	% C.ft	4,559
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	1644.00	3176.25	% OCft	5,222
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	2229.00	8694.95	% Cft	193,810
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)	20.00	8122.95	% Cft	1,625
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	3907.00	11948.36	% Cft	466,822
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1910.00	337.00	P.Cft.	643,670
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	87.169	5001.70	P.Cwt	435,993
16	Supply and filling sand under floor including plugging in to walls	4559.00	1141.25	% Cft	52,030
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening		19.36	% S.ft	-
18	Extra Lead (03 Miles)	4559.00	579.41	% C.ft	26,415
19	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	2170.00	12674.36	% Cft	275,034

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	622.00	10.70	P.Sft	6,655
22	Making of Notice board made with cement (S.I No. 1 P/95).	128.00	58.11	P.Sft	7,438
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	10331.00	2206.60	% S.ft	227,964
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	10331.00	2197.52	% S.ft	227,026
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I.No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	84.00	14429.25	% C.ft	12,121
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	151.00	228.90	P.Sft	34,564
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	478.00	240.50	P.Sft	114,959
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	212.00	902.93	P.Sft	191,421
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	51.00	1778.50	P.Sft	90,704
34	M.S Barred windows squars bars 5/8" dia.	4.705	3550.00	P.Sft	16,703
35	Cutting & Fixing iron bars for barred windows.	104.00	28.23	P.Sft	2,936
36	Supplying of T- Girders at Site of Work (Schedule of Material).	10.76	3850.00	P.Cwt	41,426
37	Supplying of T- Iron at Site of Work (Schedule of Material).	9.78	3575.00	P.Cwt	34,964
38	Errrection of Rolled Steel Beam etc (S.I No. 6 P/91).	20.54	186.34	P.Cwt	3,827
39	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quaddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% OCft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% 0Cft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	155.00	226.02	P.Sft	35,033
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	683.00	194.16	P.Sft	132,611
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).	565.00	11443.10	% S.ft	64,654
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	4626.00	4411.82	% S.ft	204,091
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	2041.00	2548.50	% S.ft	52,015
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2394.00	3275.50	% S.ft	78,415
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3502.38	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	5041.00	1887.40	% S.ft	95,144
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	2252.00	1287.44	% C.ft	28,993
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.		12346.65	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c and iron frame 2"x2"x3/4" and square bars 4" centre to cement.		726.72	P.Sft	-
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).	711.00	307.00	P.Sft	218,277
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing, cleaning & polishing etc complete (i) for new works: (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.		27747.06	% S.ft	-
61	White glazed tiles 1/4" thick dedo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.		28253.61	% S.ft	-
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement		34520.31	% S.ft	-
63	Primary coat of chalk distemper (S.I No. 23 P/53)	12809.00	442.75	% S.ft	56,712
64	Distemping Three Coats (S.I No. 24 ©P/53)	12809.00	1079.65	% S.ft	138,292
65	Distemping Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	4049.00	829.95	% S.ft	33,605
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	5592.00	1948.10	% S.ft	108,938
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1671.00	2116.41	% S.ft	35,365
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1212.21	% S.ft	-
70	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	104.00	1273.76	P.Sft	132,471
71	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	1758.00	1270.83	% S.ft	22,341
Total Rs:-					4579221

TALUKA BAKRANI PACKAGE (29)**Name of Secheme:-**

REHABILITATION & EXPANSION OF HIGH
 PERIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS BAKRANI
 STATION (REH: C/WALL LAV:) & GBPS MEHRAB
 PUR (01 ADD: C/WALL)TALUKA BAKRANI
 DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	708.00	5445.00	% C.ft	38,551
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	516.00	1285.63	% C.ft	6,634
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling cement concrete plain Ratio 1:2:4.	137.00	3327.50	% C.ft	4,559
5	Removing cement or lime plaster. (S.I No. 53 P/13)		121.00	% C.ft	-
6	Dry bricks ramming (S.I No. 42 P/13).		3327.50	% C.ft	-
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	3188.00	3176.25	% OCft	10,126
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	1044.00	8694.95	% Cft	90,775
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)	20.00	8122.95	% Cft	1,625
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	3207.00	11948.36	% Cft	383,184
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1555.00	337.00	P.Cft.	524,035
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	81.240	5001.70	P.Cwt	406,338
16	Supply and filling sand under floor including plugging in to walls	6142.00	1141.25	% Cft	70,096
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening		19.36	% S.ft	-
18	Extra Lead (03 Miles)	1457.00	579.41	% C.ft	8,442
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	3380.00	12674.36	% Cft	428,393

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	195.00	10.70	P.Sft	2,087
22	Making of Notice board made with cement (S.I No. 1 P/95).	96.00	58.11	P.Sft	5,579
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	8453.00	2206.60	% S.ft	186,524
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	8453.00	2197.52	% S.ft	185,756
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	14.00	14429.25	% C.ft	2,020
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	139.00	228.90	P.Sft	31,817
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	426.00	240.50	P.Sft	102,453
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	337.00	902.93	P.Sft	304,287
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	36.00	1778.50	P.Sft	64,026
34	M.S Barred windows squars bars 5/8" dia.	2.000	3550.00	P.Sft	7,100
35	Cutting & Fixing iron bars for barred windows.	60.00	28.23	P.Sft	1,694
36	Supplying of T- Girders at Site of Work (Schedule of Material).	10.76	3850.00	P.Cwt	41,426
37	Supplying of T- Iron at Site of Work (Schedule of Material).	9.78	3575.00	P.Cwt	34,964
38	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).	20.54	186.34	P.Cwt	3,827
39	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quaddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% OCft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (excavated from outside) lead upto one chain and int upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	96.00	226.02	P.Sft	21,698
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)		194.16	P.Sft	-
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).	565.00	11443.10	% S.ft	64,654
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	1327.00	4411.82	% S.ft	58,545
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	1408.00	3275.50	% S.ft	46,119
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3502.38	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	170.00	1887.40	% S.ft	3,209
53	Khaphiel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	3970.00	1287.44	% C.ft	51,111
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	1350.00	12346.65	% C.ft	166,680


3

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.	96.00	726.72	P.Sft	69,765
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24"x12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo stricking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing, cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	120.00	27747.06	% S.ft	33,296
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.00	28253.61	% S.ft	49,726
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement		34520.31	% S.ft	-
63	Primary coat of chalk distemper(S.I No. 23 P/53)	5200.00	442.75	% S.ft	23,023
64	Distempring Three Coats (S.I No. 24 ©P/53)	7600.00	1079.65	% S.ft	82,053
65	Distempring Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	1363.00	829.95	% S.ft	11,312
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	4589.00	1948.10	% S.ft	89,398
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	70.00	2116.41	% S.ft	1,481
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	304.00	1160.61	% S.ft	3,528
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					3721916

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewar.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set-one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 1 1/2"x1 1/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in concrete form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separately recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P. No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter		76.05	P.No	-
(B)	G.I Pipe		77.00	P.Rft	-
(C)	Machine		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA BAKRANI PACKAGE (30)

REHABILITATION & EXPANSION OF HIGH
 PERIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS GERRELOW - ii
 (REH: 01 ADD: C/R& LAV) & GBPS MUHAMMAD
 KHAN MASHORI (REH:) TALUKA BAKRANI
 DISTRICT LARKANO.

Name of Secheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	1436.00	5445.00	% C.ft	78,190
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)		1285.63	% C.ft	-
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling rooled steel beams ,		126.04	P.Cwt	-
5	Removing cement or lime plaster. (S.I No. 53 P/13)	1683.00	121.00	% C.ft	2,036
6	Dry bricks ramming (S.I No. 42 P/13).	341.00	3327.50	% C.ft	11,347
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkets.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	3092.00	3176.25	% 0Cft	9,821
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10. (S.I No. 4 P/14)	694.00	8694.95	% Cft	60,343
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12. (S.I No. 4 P/14)	20.00	8122.95	% Cft	1,625
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	3570.00	11948.36	% Cft	426,556
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1764.00	337.00	P.Cft.	594,468
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	86.570	5001.70	P.Cwt	432,997
16	Supply and filling sand under floor including plugging in to walls	185.00	1141.25	% Cft	2,111
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening		19.36	% S.ft	-
18	Extra Lead (03 Miles)	53.00	579.41	% C.ft	307
19	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	2420.00	12674.36	% Cft	306,720

12
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S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	53.00	10.70	P.Sft	567
22	Making of Notice board made with cement (S.I No. 1 P/95).		58.11	P.Sft	-
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)		2206.60	% S.ft	-
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)		2197.52	% S.ft	-
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4		14429.25	% C.ft	-
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	117.00	228.90	P.Sft	26,781
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	58.00	240.50	P.Sft	13,949
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	165.00	902.93	P.Sft	148,983
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.		3550.00	P.Sft	-
35	Cutting & Fixing iron bars for barred windows.		28.23	P.Sft	-
36	Supplying of T- Girders at Site of Work (Schedule of Material).		3850.00	P.Cwt	-
37	Supplying of T- Iron at Site of Work (Schedule of Material).		3575.00	P.Cwt	-
38	Errection REMOVAL OF R.cc work .		3127.41	P.Cwt	-
39	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6"good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% 0Cft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% 0Cft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).		226.02	P.Sft	-
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	315.00	194.16	P.Sft	61,160
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	Single Layer of Tiles Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).		5310.35	% S.ft	-
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F) .		4411.82	% S.ft	-
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F) .		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)		3275.50	% S.ft	-
51	Providing and Laying 1-1/2thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41)		2548.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	2474.00	1887.40	% S.ft	46,694
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)		1287.44	% C.ft	-
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	1800.00	12346.65	% C.ft	222,240

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.		726.72	P.Sft	-
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.		27747.06	% S.ft	-
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.		28253.61	% S.ft	-
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement		34520.31	% S.ft	-
63	Primary coat of chalk distemper(S.I No. 23 P/53)	13004.00	442.75	% S.ft	57,575
64	Distemping Three Coats (S.I No. 24 ©P/53)	16204.00	1079.65	% S.ft	174,946
65	Distemping Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	4088.00	829.95	% S.ft	33,928
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	6397.00	1948.10	% S.ft	124,620
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	830.00	2116.41	% S.ft	17,566
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	2023.00	1270.83	% S.ft	25,709
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	2nd Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leaping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).		7670.25	% S.ft	-
73	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	104.00	1273.76	P.Sft	132,471
74	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					3013713


XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire pedestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constrouction mainhole for the required dia of circular sewer.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set- one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

XEN
1

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P.No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter		76.05	P.No	-
(B)	G.I Pipe		77.00	P.Rft	-
(C)	Machine		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA BAKRANI PACKAGE (31)

REHABILITATION & EXPANSION OF HIGH
 PERIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS ABDUL SAMAD
 TUNIO (03 ADD: C/R REH:) GBPS KULLI (REH &
 LAV) TALUKA BAKRANI DISTRICT LARKANO.

Name of Secheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	433.00	5445.00	% C.ft	23,577
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)		1285.63	% C.ft	-
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling cement concrete plain Ratio 1:2:4.	306.00	3327.50	% C.ft	10,182
5	Removing cement or lime plaster. (S.I No. 53 P/13)	849.00	121.00	% C.ft	1,027
6	Dry bricks ramming (S.I No. 42 P/13).	414.00	3327.50	% C.ft	13,776
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	3539.00	3176.25	% OCft	11,241
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10. (S.I No. 4 P/14)	1316.00	8694.95	% Cft	114,426
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12. (S.I No. 4 P/14)	20.00	8122.95	% Cft	1,625
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	4291.00	11948.36	% Cft	512,704
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1660.00	337.00	P.Cft.	559,420
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	90.80	5001.70	P.Cwt	454,154
16	Supply and filling sand under floor including plugging in to walls	19404.00	1141.25	% Cft	221,448
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	53.00	19.36	% S.ft	1,026
18	Extra Lead (03 Miles)	7669.00	579.41	% C.ft	44,435
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	4335.00	12674.36	% Cft	549,434

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	445.00	10.70	P.Sft	4,762
22	Making of Notice board made with cement (S.I No. 1 P/95).	96.00	58.11	P.Sft	5,579
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	9822.00	2206.60	% S.ft	216,732
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	9822.00	2197.52	% S.ft	215,840
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	26.00	14429.25	% C.ft	3,752
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	120.00	228.90	P.Sft	27,468
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	342.00	240.50	P.Sft	82,251
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	910.00	902.93	P.Sft	821,666
33	Providing & Fixing Deodar Almira 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	17.00	1778.50	P.Sft	30,235
34	M.S Barred windows squars bars 5/8" dia.	4.000	3550.00	P.Sft	14,200
35	Cutting & Fixing iron bars for barred windows.	78.00	28.23	P.Sft	2,202
36	Supplying of T- Girders at Site of Work (Schedule of Material).	25.69	3850.00	P.Cwt	98,907
37	Supplying of T- Iron at Site of Work (Schedule of Material).	22.07	3575.00	P.Cwt	78,900
38	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).	20.54	186.34	P.Cwt	3,827
39	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% OCft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.	48.00	726.72	P.Sft	34,883
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing, cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	296.00	27747.06	% S.ft	82,131
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.		28253.61	% S.ft	-
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement	20.00	34520.31	% S.ft	6,904
63	Primary coat of chalk distemper(S.I No. 23 P/53)	9068.00	442.75	% S.ft	40,149
64	Distemping Three Coats (S.I No. 24 ©P/53)	9068.00	1079.65	% S.ft	97,903
65	Distemping Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	1072.00	829.95	% S.ft	8,897
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	8828.00	1948.10	% S.ft	171,978
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1101.00	2116.41	% S.ft	23,302
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	343.00	1270.83	% S.ft	4,359
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (excavated from outside) lead upto one chain and upto 5 feet (S.I. No. 22 P/4)		3630.00	% 0Cft	-
43	P/F Ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	190.00	226.02	P.Sft	42,944
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	97.00	194.16	P.Sft	18,834
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).	1344.00	11443.10	% S.ft	153,795
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	4074.00	4411.82	% S.ft	179,738
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	203.00	3275.50	% S.ft	6,649
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3275.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	2015.00	1887.40	% S.ft	38,031
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	2945.00	1287.44	% C.ft	37,915
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	3355.00	12346.65	% C.ft	414,230

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					5487435

[Signature]
XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewer.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set- one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of verious sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of verious sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dja		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P.No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>		76.05	P.No	-
(B)	<u>G.I Pipe</u>		77.00	P.Rft	-
(C)	<u>Machine</u>		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA BAKRANI PACKAGE (32)

REHABILITATION & EXPANSION OF HIGH
PRIORITY 4560 SCHOOLS (PRIMARY /
ELEMENTARY)(115-UNITS)(NON-ADP)
(2017-18 PROGRAMME) AT: GBPS GHULAM ALI
ZUHRANI (REH: 06 ADD: C/R & LAV:) TALUKA
BAKRANI DISTRICT LARKANO.

Name of Scheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)		5445.00	% C.ft	-
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)		1285.63	% C.ft	-
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling cement concrete plain Ratio 1:2:4.	306.00	3327.50	% C.ft	10,182
5	Removing cement or lime plaster. (S.I No. 53 P/13)	849.00	121.00	% C.ft	1,027
6	Dry bricks ramming (S.I No. 42 P/13).	277.00	3327.50	% C.ft	9,217
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	6380.00	3176.25	% OCft	20,264
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 (S.I No. 4 P/14)	1537.00	8694.95	% Cft	133,641
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 (S.I No. 4 P/14)	737.00	8122.95	% Cft	59,866
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2265.00	11948.36	% Cft	270,630
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	4592.00	337.00	P.Cft.	1,547,504
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)	99.00	349.10	P.Cft.	34,561
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	257.41	5001.70	P.Cwt	1,287,488
16	Supply and filling sand under floor including plugging in to walls	13141.00	1141.25	% Cft	149,972
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	560.00	19.36	% S.ft	10,842
18	Extra Lead (03 Miles)	3972.00	579.41	% C.ft	23,014
19	Pacca brick work in <u>Ground Floor</u> i.e striking of joints in cement sand mortar ratio 1:6.	3567.00	12674.36	% Cft	452,094

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.	229.00	13112.99	% Cft	30,029
21	P & Single per layer of polythene sheet 0.13 mm thick for water proffing as per specification	440.00	10.70	P.Sft	4,708
22	Making of Notice board made with cement (S.I No. 1 P/95).	192.00	58.11	P.Sft	11,157
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	12222.00	2206.60	% S.ft	269,691
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	12222.00	2197.52	% S.ft	268,581
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4		14429.25	% C.ft	-
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	179.00	228.90	P.Sft	40,973
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	523.00	240.50	P.Sft	125,782
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	1109.00	902.93	P.Sft	1,001,349
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.	5.850	3550.00	P.Sft	20,768
35	Cutting & Fixing iron bars for barred windows.	112.00	28.23	P.Sft	3,162
36	Supplying of T- Girders at Site of Work (Schedule of Material).		3850.00	P.Cwt	-
37	Supplying of T- Iron at Site of Work (Schedule of Material).		3575.00	P.Cwt	-
38	Errection REMOVAL OF R.cc work .	1395.00	3127.41	P.Cwt	43,627
39	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6"good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	2835.00	1512.50	% OCft	4,288

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	145.00	226.02	P.Sft	32,773
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I. No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I. No. 30 P No. 93)	125.00	194.16	P.Sft	24,270
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I. No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I. No. 1 P/33).		11443.10	% S.ft	-
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	2613.00	4411.82	% S.ft	115,281
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	3461.00	3275.50	% S.ft	113,365
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3502.38	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I. No. 13 P/34)	3539.00	1887.40	% S.ft	66,795
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	2807.00	1287.44	% C.ft	36,138
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	300.00	12346.65	% C.ft	37,040

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.		726.72	P.Sft	-
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	917.00	27747.06	% S.ft	254,441
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.00	28253.61	% S.ft	49,726
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement	53.00	34520.31	% S.ft	18,296
63	Primary coat of chalk distemper (S.I No. 23 P/53)	13476.00	442.75	% S.ft	59,665
64	Distempring Three Coats (S.I No. 24 ©P/53)	13476.00	1079.65	% S.ft	145,494
65	Distempring Two Coats (S.I No. 24 ©P/53)	13476.00	1043.90	% S.ft	140,676
66	White wash three coats.	2552.00	829.95	% S.ft	21,180
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	4908.00	1948.10	% S.ft	95,613
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface		2116.41	% S.ft	-
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	545.00	12595.00	% C.ft	68,643

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	Preparing surface & painting Guard bars, gates / iron bars gating makings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					7113813


XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewar.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set-one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of verious sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of verious sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P. No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>		76.05	P.No	-
(B)	<u>G.I Pipe</u>		77.00	P.Rft	-
(C)	<u>Machine</u>		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA BAKRANI PACKAGE (33)

REHABILITATION & EXPANSION OF HIGH
 PERIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS MAHI BHUTTO
 (REH : C/WALL & LAV: BLOCK) & GBPS RAMZAN
 SHAIKH (REH:02 ADD: C/R &C/WALL & LAV:)
 TALUKA BAKRANI DISTRICT LARKANO.

Name of Secheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A) |

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	727.00	5445.00	% C.ft	39,585
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	2647.00	1285.63	% C.ft	34,031
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling cement concrete plain Ratio 1:2:4.		3327.50	% C.ft	-
5	Removing cement or lime plaster. (S.I No. 53 P/13)	736.00	121.00	% C.ft	891
6	Dry bricks ramming (S.I No. 42 P/13).	277.00	3327.50	% C.ft	9,217
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	5324.00	3176.25	% OCft	16,910
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	1731.00	8694.95	% Cft	150,510
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)	20.00	8122.95	% Cft	1,625
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	5671.00	11948.36	% Cft	677,591
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	2927.00	337.00	P.Cft.	986,399
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	157.689	5001.70	P.Cwt	788,713
16	Supply and filling sand under floor including plugging in to walls	8096.00	1141.25	% Cft	92,396
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening		19.36	% S.ft	-
18	Extra Lead (03 Miles)	4157.00	579.41	% C.ft	24,086
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	5246.00	12674.36	% Cft	664,897

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	335.00	10.70	P.Sft	3,585
22	Making of Notice board made with cement (S.I No. 1 P/95).	192.00	58.11	P.Sft	11,157
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	13952.00	2206.60	% S.ft	307,865
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick (S.I No. 11(a) P/51) (Ground Floor)	13952.00	2197.52	% S.ft	306,598
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	67.00	14429.25	% C.ft	9,668
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	177.00	228.90	P.Sft	40,515
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	550.00	240.50	P.Sft	132,275
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	561.00	902.93	P.Sft	506,544
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.	3.000	3550.00	P.Sft	10,650
35	Cutting & Fixing iron bars for barred windows.	52.00	28.23	P.Sft	1,468
36	Supplying of T- Girders at Site of Work (Schedule of Material).	52.35	3850.00	P.Cwt	201,548
37	Supplying of T- Iron at Site of Work (Schedule of Material).	37.09	3575.00	P.Cwt	132,597
38	Errection REMOVAL OF R.cc work.		3127.41	P.Cwt	-
39	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% OCft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	131.00	226.02	P.Sft	29,609
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)		194.16	P.Sft	-
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete including curing etc (S.I No. 1 P/33).	1731.00	11443.10	% S.ft	198,080
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	2028.00	4411.82	% S.ft	89,472
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2327.00	3275.50	% S.ft	76,221
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3275.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	1485.00	1887.40	% S.ft	28,028
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	6445.00	1287.44	% C.ft	82,976
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	1350.00	12346.65	% C.ft	166,680

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.	97.00	726.72	P.Sft	70,492
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing, cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	725.00	27747.06	% S.ft	201,166
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.00	28253.61	% S.ft	49,726
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement	20.00	34520.31	% S.ft	6,904
63	Primary coat of chalk distemper(S.I No. 23 P/53)	11924.00	442.75	% S.ft	52,794
64	Distempring Three Coats (S.I No. 24 ©P/53)	14324.00	1079.65	% S.ft	154,649
65	Distempring Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	2554.00	829.95	% S.ft	21,197
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	6538.00	1948.10	% S.ft	127,367
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1316.00	2116.41	% S.ft	27,852
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	2nd Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S.I No. 1 P/33).	1362.00	7670.25	% S.ft	104,469
73	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					6638998


XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type piller cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constrouction mainhole for the required dia of circular sewar.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 1 1/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fi Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

N ^o .	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P. No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>		76.05	P.No	-
(B)	<u>G.I Pipe</u>		77.00	P.Rft	-
(C)	<u>Machine</u>		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA BAKRANI PACKAGE (34)

REHABILITATION & EXPANSION OF HIGH
 PERIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS ALI JATOI (REH:
 04 ADD C/R & C/WALL & LAV:)TALUKA BAKRANI
 DISTRICT LARKANO.

Name of Secheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	727.00	5445.00	% C.ft	39,585
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)		1285.63	% C.ft	-
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling cement concrete plain Ratio 1:2:4.	147.00	3327.50	% C.ft	4,891
5	Removing cement or lime plaster. (S.I No. 53 P/13)	736.00	121.00	% C.ft	891
6	Dry bricks ramming (S.I No. 42 P/13).		3327.50	% C.ft	-
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkets.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	5415.00	3176.25	% OCft	17,199
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	1086.00	8694.95	% Cft	94,427
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)	737.00	8122.95	% Cft	59,866
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	1086.00	11948.36	% Cft	129,759
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	3544.00	337.00	P.Cft.	1,194,328
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)	99.00	349.10	P.Cft.	34,561
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	194.11	5001.70	P.Cwt	970,865
16	Supply and filling sand under floor including plugging in to walls	6744.00	1141.25	% Cft	76,966
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	184.00	19.36	% S.ft	3,562
18	Extra Lead (03 Miles)	185.00	579.41	% C.ft	1,072
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	2201.00	12674.36	% Cft	278,963

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S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.	229.00	13112.99	% Cft	30,029
21	P & Single per layer of polythene sheet 0.13 mm thick for water proging as per specification	493.00	10.70	P.Sft	5,275
22	Making of Notice board made with cement (S.I No. 1 P/95).	160.00	58.11	P.Sft	9,298
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	9404.00	2206.60	% S.ft	207,509
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	9840.00	2197.52	% S.ft	216,236
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screeding & washing of stone aggregate without shuttering. Ratio 1:2:4	92.00	14429.25	% C.ft	13,275
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c alll carriage, tools and pla	119.00	228.90	P.Sft	27,239
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c alll carriage, tools and pla	295.00	240.50	P.Sft	70,948
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	464.00	902.93	P.Sft	418,960
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.	2.850	3550.00	P.Sft	10,118
35	Cutting & Fixing iron bars for barred windows.	60.00	28.23	P.Sft	1,694
36	Supplying of T- Girders at Site of Work (Schedule of Material).	19.64	3850.00	P.Cwt	75,614
37	Supplying of T- Iron at Site of Work (Schedule of Material).	18.06	3575.00	P.Cwt	64,565
38	Errection REMOVAL OF R.cc work .	1395.00	3127.41	P.Cwt	43,627
39	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	2895.00	1512.50	% OCft	4,379

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S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F Ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).		226.02	P.Sft	-
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I. No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I. No. 30 P No. 93)	98.00	194.16	P.Sft	19,028
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embedded in Masonry as per instructions of Engineer in charge.(S.I. No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leaping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wicheed layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S.I. No. 1 P/33).	1362.00	11443.10	% S.ft	155,855
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	2893.00	4411.82	% S.ft	127,634
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2146.00	3275.50	% S.ft	70,292
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3275.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I. No. 13 P/34)	3334.00	1887.40	% S.ft	62,926
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	2575.00	1287.44	% C.ft	33,152
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	800.00	12346.65	% C.ft	98,773

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.	48.00	726.72	P.Sft	34,883
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo stricking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	608.00	27747.06	% S.ft	168,702
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.00	28253.61	% S.ft	49,726
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement	33.00	34520.31	% S.ft	11,392
63	Primary coat of chalk distemper (S.I No. 23 P/53)	9920.00	442.75	% S.ft	43,921
64	Distemping Three Coats (S.I No. 24 ©P/53)	10720.00	1079.65	% S.ft	115,738
65	Distemping Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	2543.00	829.95	% S.ft	21,106
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	2789.00	1948.10	% S.ft	54,333
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1024.00	2116.41	% S.ft	21,672
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6	545.00	12595.00	% C.ft	68,643

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					5263473


XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary coat of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewer.		14748.00	P.No	-
	providing chambers (15"x19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set- one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of verious sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of verious sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
*	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P.No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>		76.05	P.No	-
(B)	<u>G.I Pipe</u>		77.00	P.Rft	-
(C)	<u>Machine</u>		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA BAKRANI PACKAGE (35)

REHABILITATION & EXPANSION OF HIGH
PRIORITY 4560 SCHOOLS (PRIMARY /
ELEMENTARY)(115-UNITS)(NON-ADP)
(2017-18 PROGRAMME) AT: GBPS GARHI TAKHAT
RAM (REH: LAV:) GBPS MAHAR WADA (REH :
ADD: 02 C/R) TALUKA BAKRANI DISTRICT
LARKANO.

Name of Scheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	1141.00	5445.00	% C.ft	62,127
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	2127.00	1285.63	% C.ft	27,345
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling cement concrete plain Ratio 1:2:4.		3327.50	% C.ft	-
5	Removing cement or lime plaster. (S.I No. 53 P/13)	300.00	121.00	% C.ft	363
6	Dry bricks ramming (S.I No. 42 P/13).	277.00	3327.50	% C.ft	9,217
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	3428.00	3176.25	% OCft	10,888
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge <u>Ratio 1:5:10</u> .(S.I No. 4 P/14)	1772.00	8694.95	% Cft	154,075
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge <u>Ratio 1:6:12</u> .(S.I No. 4 P/14)		8122.95	% Cft	-
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	3746.00	11948.36	% Cft	447,586
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	2366.00	337.00	P.Cft.	797,342
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	128.26	5001.70	P.Cwt	641,518
16	Supply and filling sand under floor including plugging in to walls	8396.00	1141.25	% Cft	95,819
17	Extra Labour rate for making cement plaster patta/band around straight are courtyard opening		19.36	% S.ft	-
18	Extra Lead (03 Miles)	6661.00	579.41	% C.ft	38,595
19	Pacca brick work in <u>Ground Floor</u> i.e striking of joints in cement sand mortar ratio 1:6.	4340.00	12674.36	% Cft	550,067

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	564.00	10.70	P.Sft	6,035
22	Making of Notice board made with cement (S.I No. 1 P/95).	128.00	58.11	P.Sft	7,438
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	10698.00	2206.60	% S.ft	236,062
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	10698.00	2197.52	% S.ft	235,091
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	65.00	14429.25	% C.ft	9,379
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	92.00	228.90	P.Sft	21,059
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	228.00	240.50	P.Sft	54,834
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	556.00	902.93	P.Sft	502,029
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.	3.000	3550.00	P.Sft	10,650
35	Cutting & Fixing iron bars for barred windows.	52.00	28.23	P.Sft	1,468
36	Supplying of T- Girders at Site of Work (Schedule of Material).	14.93	3850.00	P.Cwt	57,481
37	Supplying of T- Iron at Site of Work (Schedule of Material).	12.29	3575.00	P.Cwt	43,937
38	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).		186.34	P.Cwt	-
39	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% OCft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% 0Cft	-
43	P/F Ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	131.00	226.02	P.Sft	29,609
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I. No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I. No. 30 P No. 93)	70.00	194.16	P.Sft	13,591
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in chrg.(S.I. No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I. No. 1 P/33).	779.00	11443.10	% S.ft	89,142
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	3012.00	4411.82	% S.ft	132,884
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	4084.00	3275.50	% S.ft	133,771
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3275.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I. No. 13 P/34)	2631.00	1887.40	% S.ft	49,657
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	4490.00	1287.44	% C.ft	57,806
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	675.00	12346.65	% C.ft	83,340

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.	108.00	726.72	P.Sft	78,486
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo stricking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	605.00	27747.06	% S.ft	167,870
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.		28253.61	% S.ft	-
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement	20.00	34520.31	% S.ft	6,904
63	Primary coat of chalk distemper (S.I No. 23 P/53)	7805.00	442.75	% S.ft	34,557
64	Distemping Three Coats (S.I No. 24 ©P/53)	9005.00	1079.65	% S.ft	97,222
65	Distemping Two Coats (S.I No. 24 ©P/53)	1230.00	1043.90	% S.ft	12,840
66	White wash three coats.	1413.00	829.95	% S.ft	11,727
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	7938.00	1948.10	% S.ft	154,640
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	860.00	2116.41	% S.ft	18,201
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					5192652

D
XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary coat of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of earthen wire pedestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewer.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set- one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
-	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P.No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>		76.05	P.No	-
(B)	<u>G.I Pipe</u>		77.00	P.Rft	-
(C)	<u>Machine</u>		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA DOKRI PACKAGE (36)

REHABILITATION & EXPANSION OF HIGH
 PRIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS DOKRI MAIN (REHABILITATION) & GGPS DOKRI MAIN
 (REHABILITATION) & GBPS ALMANI (ADD: 01
 C/ROOM) TALUKA DOKRI DISTRICT LARKANO.

Name of Scheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	1360.00	5445.00	% C.ft	74,052
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	1955.00	1285.63	% C.ft	25,134
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling rooled steel beams ,		126.04	P.Cwt	-
5	Removing cement or lime plaster. (S.I No. 53 P/13)	2592.00	121.00	% C.ft	3,136
6	Dry bricks ramming (S.I No. 42 P/13).	137.00	3327.50	% C.ft	4,559
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)	2.00	142.18	P.No	284
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)	6.00	102.85	P.No	617
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	948.00	3176.25	% OCft	3,011
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	1183.00	8694.95	% Cft	102,861
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)		8122.95	% Cft	-
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	1782.00	11948.36	% Cft	212,920
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1976.00	337.00	P.Cft.	665,912
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	92.768	5001.70	P.Cwt	463,998
16	Supply and filling sand under floor including plugging in to walls	26497.00	1141.25	% Cft	302,397
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening		19.36	% S.ft	-
18	Extra Lead (03 Miles)	1272.00	579.41	% C.ft	7,370
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	3241.00	12674.36	% Cft	410,726

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	# & Single per layer of polythene sheet 0.13 mm thick for water proofing as per specification	728.00	10.70	P.Sft	7,790
22	Making of Notice board made with cement (S.I No. 1 P/95).	256.00	58.11	P.Sft	14,876
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	8538.00	2206.60	% S.ft	188,400
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	8506.00	2197.52	% S.ft	186,921
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4		14429.25	% C.ft	-
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	28.00	228.90	P.Sft	6,409
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	114.00	240.50	P.Sft	27,417
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	256.00	902.93	P.Sft	231,150
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.	1.000	3550.00	P.Sft	3,550
35	Cutting & Fixing iron bars for barred windows.	26.00	28.23	P.Sft	734
36	Supplying of T- Girders at Site of Work (Schedule of Material).	10.76	3850.00	P.Cwt	41,426
37	Supplying of T- Iron at Site of Work (Schedule of Material).	9.78	3575.00	P.Cwt	34,964
38	Errection REMOVAL OF R.cc work.	20.54	3127.41	P.Cwt	642
39	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6"good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% 0Cft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).		226.02	P.Sft	-
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill). (S.I. No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I. No. 30 P No. 93)	447.00	194.16	P.Sft	86,790
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I. No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete incliding curing etc (S.I. No. 1 P/33).	665.00	11443.10	% S.ft	76,097
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	6697.00	4411.82	% S.ft	295,460
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2724.00	3275.50	% S.ft	89,225
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3275.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I. No. 13 P/34)		1887.40	% S.ft	-
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	1505.00	1287.44	% C.ft	19,376
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.		12346.65	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.		726.72	P.Sft	-
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing, cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.		27747.06	% S.ft	-
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.		28253.61	% S.ft	-
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement		34520.31	% S.ft	-
63	Primary coat of chalk distemper(S.I No. 23 P/53)	14838.00	442.75	% S.ft	65,695
64	Distempring Three Coats (S.I No. 24 ©P/53)	14838.00	1079.65	% S.ft	160,198
65	Distempring Two Coats (S.I No. 24 ©P/53)	440.00	1043.90	% S.ft	4,593
66	White wash three coats.	4442.00	829.95	% S.ft	36,866
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	5312.00	1948.10	% S.ft	103,483
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1305.00	2116.41	% S.ft	27,619
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	304.00	1160.61	% S.ft	3,528
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	2nd Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leaping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S.I No. 1 P/33).		7670.25	% S.ft	-
73	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					3990236


XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewer.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set- one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.Nq	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separately recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P. No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>		76.05	P.No	-
(B)	<u>G.I Pipe</u>		77.00	P.Rft	-
(C)	<u>Machine</u>		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged end with rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA DOKRI PACKAGE (41) 37

REHABILITATION & EXPANSION OF HIGH
 PERIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS WAKRO (REH:)
 & GBLSS HATRI GHULAM SHAH
 (REH: C/WALL & TOILET) TALUKA DOKRI /
 BAKRANI DISTRICT LARKANO.

Name of Secheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	708.00	5445.00	% C.ft	38,551
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	1955.00	1285.63	% C.ft	25,134
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling rooled steel beams ,		126.04	P.Cwt	-
5	Removing cement or lime plaster. (S.I No. 53 P/13)		121.00	% C.ft	-
6	Dry bricks ramming (S.I No. 42 P/13).	444.00	3327.50	% C.ft	14,774
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)	2.00	142.18	P.No	284
8	Removing Windows & Sky Light with chowkets.(S.I.NO. 33(b) P/12)	6.00	102.85	P.No	617
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	2822.00	3176.25	% 0Cft	8,963
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	2208.00	8694.95	% Cft	191,984
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)		8122.95	% Cft	-
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2651.00	11948.36	% Cft	316,751
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	2229.00	337.00	P.Cft.	751,173
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	60.963	5001.70	P.Cwt	304,919
16	Supply and filling sand under floor including plugging in to walls	3374.00	1141.25	% Cft	38,506
17	Extra Labour rate for making cement plaster patta/band around straight are couyard opening	53.00	19.36	% S.ft	1,026
18	Extra Lead (03 Miles)	1897.00	579.41	% C.ft	10,991
19	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	2331.00	12674.36	% Cft	295,439

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Sing per layer of polythene sheet 0.13 mm thick for water proggng as per specification	53.00	10.70	P.Sft	567
22	Making of Notice board made with cement (S.I No. 1 P/95).	60.00	58.11	P.Sft	3,487
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	8813.00	2206.60	% S.ft	194,468
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	8813.00	2197.52	% S.ft	193,667
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	14.00	14429.25	% C.ft	2,020
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	32.00	228.90	P.Sft	7,325
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla		240.50	P.Sft	-
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	324.00	902.93	P.Sft	292,549
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.		3550.00	P.Sft	-
35	Cutting & Fixing iron bars for barred windows.		28.23	P.Sft	-
36	Supplying of T- Girders at Site of Work (Schedule of Material).		3850.00	P.Cwt	-
37	Supplying of T- Iron at Site of Work (Schedule of Material).		3575.00	P.Cwt	-
38	Errection REMOVAL OF R.cc work .		3127.41	P.Cwt	-
39	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6"good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quaddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% 0Cft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% 0Cft	-
43	P/F Ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).		226.02	P.Sft	-
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	446.00	194.16	P.Sft	86,595
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	Single Layer of Tiles Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).	1410.00	5310.35	% S.ft	74,876
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F) .	2887.00	4411.82	% S.ft	127,369
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F) .		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2658.00	3275.50	% S.ft	87,063
51	Providing and Laying 1-1/2thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41)		2548.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)		1887.40	% S.ft	-
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	4132.00	1287.44	% C.ft	53,197
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	2025.00	12346.65	% C.ft	250,020

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.		726.72	P.Sft	-
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	120.00	27747.06	% S.ft	33,296
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.00	28253.61	% S.ft	49,726
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement		34520.31	% S.ft	-
63	Primary coat of chalk distemper(S.I No. 23 P/53)	18188.00	442.75	% S.ft	80,527
64	Distempring Three Coats (S.I No. 24 ©P/53)	18188.00	1079.65	% S.ft	196,367
65	Distempring Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	4134.00	829.95	% S.ft	34,310
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	5314.00	1948.10	% S.ft	103,522
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	2974.00	2116.41	% S.ft	62,942
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	304.00	1160.61	% S.ft	3,528
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	2nd Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S.I No. 1 P/33).		7670.25	% S.ft	-
73	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					3936536


XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewar.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set- one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & disposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.Nq	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P. No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter		76.05	P.No	-
(B)	G.I Pipe		77.00	P.Rft	-
(C)	Machine		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase, motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA DOKRI PACKAGE (38)

REHABILITATION & EXPANSION OF HIGH
 PERIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBPS MANDHRA
 (REH: 02 ADD: C/R) & GBPS MUHAMMAD ISMAIL
 CHANDIO (ADD; 02 C/R & LAV)
 TALUKA DOKRI DISTRICT LARKANO.

Name of Secheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	708.00	5445.00	% C.ft	38,551
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	1955.00	1285.63	% C.ft	25,134
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling cement concrete plain Ratio 1:2:4.		3327.50	% C.ft	-
5	Removing cement or lime plaster. (S.I No. 53 P/13)		121.00	% C.ft	-
6	Dry bricks ramming (S.I No. 42 P/13).	277.00	3327.50	% C.ft	9,217
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)	6.00	142.18	P.No	853
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	3293.00	3176.25	% OCft	10,459
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	1675.00	8694.95	% Cft	145,640
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)		8122.95	% Cft	-
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	4425.00	11948.36	% Cft	528,715
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	3281.00	337.00	P.Cft.	1,105,697
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	181.451	5001.70	P.Cwt	907,563
16	Supply and filling sand under floor including plugging in to walls	10633.00	1141.25	% Cft	121,349
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	53.00	19.36	% S.ft	1,026
18	Extra Lead (03 Miles)	10633.00	579.41	% C.ft	61,609
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	5756.00	12674.36	% Cft	729,536

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water prooging as per specification	617.00	10.70	P.Sft	6,602
22	Making of Notice board made with cement (S.I No. 1 P/95).	192.00	58.11	P.Sft	11,157
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	11210.00	2206.60	% S.ft	247,360
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	11082.00	2197.52	% S.ft	243,529
26	Cement plaster 1:4 upto 20" height 3/8" thick (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	93.00	14429.25	% C.ft	13,419
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	152.00	228.90	P.Sft	34,793
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	456.00	240.50	P.Sft	109,668
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	561.00	902.93	P.Sft	506,544
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.	6.000	3550.00	P.Sft	21,300
35	Cutting & Fixing iron bars for barred windows.	104.00	28.23	P.Sft	2,936
36	Supplying of T- Girders at Site of Work (Schedule of Material).		3850.00	P.Cwt	-
37	Supplying of T- Iron at Site of Work (Schedule of Material).		3575.00	P.Cwt	-
38	Errection REMOVAL OF R.cc work .		3127.41	P.Cwt	-
39	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% 0Cft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	262.00	226.02	P.Sft	59,217
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)		194.16	P.Sft	-
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charge.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).		11443.10	% S.ft	-
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	2167.00	4411.82	% S.ft	95,604
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	5288.00	3275.50	% S.ft	173,208
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3275.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	4116.00	1887.40	% S.ft	77,685
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	3096.00	1287.44	% C.ft	39,859
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.		12346.65	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to centre.		726.72	P.Sft	-
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing, cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	362.00	27747.06	% S.ft	100,444
61	White glazed tiles 1/4" thick dodo jointed, in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.00	28253.61	% S.ft	49,726
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement	40.00	34520.31	% S.ft	13,808
63	Primary coat of chalk distemper (S.I No. 23 P/53)	11381.00	442.75	% S.ft	50,389
64	Distempring Three Coats (S.I No. 24 ©P/53)	11381.00	1079.65	% S.ft	122,875
65	Distempring Two Coats (S.I No. 24 ©P/53)	2460.00	1043.90	% S.ft	25,680
66	White wash three coats.	93.00	829.95	% S.ft	772
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	3856.00	1948.10	% S.ft	75,119
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	902.00	2116.41	% S.ft	19,090
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	2nd Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leaping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).		7670.25	% S.ft	-
73	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					5786136


XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewar.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set- one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of verious sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of verious sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P. No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter		76.05	P.No	-
(B)	G.I Pipe		77.00	P.Rft	-
(C)	Machine		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threabed of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848



TALUKA DOKRI PACKAGE (39)

REHABILITATION & EXPANSION OF HIGH
 PERIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GGPS HAJI LAL BUX
 SHAIKH (REH: 03 ADD: C/ROOMS)
 TALUKA DOKRI DISTRICT LARKANO.

Name of Secheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)		5445.00	% C.ft	-
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	1172.00	1285.63	% C.ft	15,068
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	587.00	378.13	% C.ft	2,220
4	Dismantling rooled steel beams ,	16.21	126.04	P.Cwt	2,043
5	Removing cement or lime plaster. (S.I No. 53 P/13)		121.00	% C.ft	-
6	Dry bricks ramming (S.I No. 42 P/13).	414.00	3327.50	% C.ft	13,776
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkets.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	2244.00	3176.25	% OCft	7,128
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	1030.00	8694.95	% Cft	89,558
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)		8122.95	% Cft	-
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2557.00	11948.36	% Cft	305,520
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1478.00	337.00	P.Cft.	498,086
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	81.827	5001.70	P.Cwt	409,274
16	Supply and filling sand under floor including plugging in to walls	6378.00	1141.25	% Cft	72,789
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening		19.36	% S.ft	-
18	Extra Lead (03 Miles)	5059.00	579.41	% C.ft	29,312
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	3245.00	12674.36	% Cft	411,283

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water proging as per specification	2129.00	10.70	P.Sft	22,780
22	Making of Notice board made with cement (S.I No. 1 P/95).	149.00	58.11	P.Sft	8,658
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	7345.00	2206.60	% S.ft	162,075
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	7249.00	2197.52	% S.ft	159,298
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	89.00	14429.25	% C.ft	12,842
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	105.00	228.90	P.Sft	24,035
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	433.00	240.50	P.Sft	104,137
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	407.00	902.93	P.Sft	367,493
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	17.00	1778.50	P.Sft	30,235
34	M.S Barred windows squars bars 5/8" dia.	4.000	3550.00	P.Sft	14,200
35	Cutting & Fixing iron bars for barred windows.	78.00	28.23	P.Sft	2,202
36	Supplying of T- Girders at Site of Work (Schedule of Material).	21.37	3850.00	P.Cwt	82,275
37	Supplying of T- Iron at Site of Work (Schedule of Material).	19.02	3575.00	P.Cwt	67,997
38	Errection REMOVAL OF R.cc work.	20.54	3127.41	P.Cwt	642
39	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quaddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% 0Cft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	190.00	226.02	P.Sft	42,944
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I. No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I. No. 30 P No. 93)		194.16	P.Sft	-
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I. No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S.I. No. 1 P/33).		11443.10	% S.ft	-
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		4411.82	% S.ft	-
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	1940.00	3275.50	% S.ft	63,545
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3275.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I. No. 13 P/34)	1845.00	1887.40	% S.ft	34,823
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints bn walls ratio 1:2. (Ground Floor)	2229.00	1287.44	% C.ft	28,697
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.		12346.65	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.		726.72	P.Sft	-
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo stricking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	309.00	27747.06	% S.ft	85,738
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.		28253.61	% S.ft	-
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement	20.00	34520.31	% S.ft	6,904
63	Primary coat of chalk distemper(S.I No. 23 P/53)	11424.00	442.75	% S.ft	50,580
64	Distemping Three Coats (S.I No. 24 ©P/53)	11424.00	1079.65	% S.ft	123,339
65	Distemping Two Coats (S.I No. 24 ©P/53)	1670.00	1043.90	% S.ft	17,433
66	White wash three coats.	1855.00	829.95	% S.ft	15,396
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	3144.00	1948.10	% S.ft	61,248
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	657.00	2116.41	% S.ft	13,905
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	608.00	1160.61	% S.ft	7,057
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	343.00	1270.83	% S.ft	4,359
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	2nd Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leaping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiche layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S/I No. 1 P/33).		7670.25	% S.ft	-
73	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					3470889


XEN

BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewer.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set- one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fiberglass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of verious sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of verious sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P ₁ No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter		76.05	P.No	-
(B)	G.I Pipe		77.00	P.Rft	-
(C)	Machine		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threabed of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-

XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

TALUKA DOKRI PACKAGE (40)

REHABILITATION & EXPANSION OF HIGH
PRIORITY 4560 SCHOOLS (PRIMARY /
ELEMENTARY)(115-UNITS)(NON-ADP)

Name of Secheme:-

(2017-18 PROGRAMME) AT: GBPS USMAN
KALHORO (ADD: 04 C/ROOMS) TALUKA DOKRI
DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)		5445.00	% C.ft	-
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)		1285.63	% C.ft	-
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling rooled steel beams ,		126.04	P.Cwt	-
5	Removing cement or lime plaster. (S.I No. 53 P/13)		121.00	% C.ft	-
6	Dry bricks ramming (S.I No. 42 P/13).		3327.50	% C.ft	-
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkets.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	4253.00	3176.25	% OCft	13,509
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10. (S.I No. 4 P/14)	795.00	8694.95	% Cft	69,125
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12. (S.I No. 4 P/14)	717.00	8122.95	% Cft	58,242
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	212.00	11948.36	% Cft	25,331
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	3377.00	337.00	P.Cft.	1,138,049
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)	99.00	349.10	P.Cft.	34,561
15	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	187.000	5001.70	P.Cwt	935,318
16	Supply and filling sand under floor including plugging in to walls	6559.00	1141.25	% Cft	74,855
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	184.00	19.36	% S.ft	3,562
18	Extra Lead (03 Miles)		579.41	% C.ft	-
19	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	1513.00	12674.36	% Cft	191,763

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca Brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.	229.00	13112.99	% Cft	30,029
21	P & Single per layer of polythene sheet 0.13 mm thick for water proging as per specification	440.00	10.70	P.Sft	4,708
22	Making of Notice board made with cement (S.I No. 1 P/95).	128.00	58.11	P.Sft	7,438
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	7810.00	2206.60	% S.ft	172,335
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	7810.00	2197.52	% S.ft	171,626
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	78.00	14429.25	% C.ft	11,255
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	87.00	228.90	P.Sft	19,914
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	295.00	240.50	P.Sft	70,948
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	325.00	902.93	P.Sft	293,452
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.	2.850	3550.00	P.Sft	10,118
35	Cutting & Fixing iron bars for barred windows.	60.00	28.23	P.Sft	1,694
36	Supplying of T- Girders at Site of Work (Schedule of Material).		3850.00	P.Cwt	-
37	Supplying of T- Iron at Site of Work (Schedule of Material).		3575.00	P.Cwt	-
38	Errection REMOVAL OF R.cc work .		3127.41	P.Cwt	-
39	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6"good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	2835.00	1512.50	% OCft	4,288

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	24.00	226.02	P.Sft	5,424
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)	98.00	180.50	P.Sft	17,689
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)		194.16	P.Sft	-
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leaping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S.I No. 1 P/33).		11443.10	% S.ft	-
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	1973.00	4411.82	% S.ft	87,045
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2054.00	3275.50	% S.ft	67,279
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3275.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	2054.00	1887.40	% S.ft	38,767
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	1468.00	1287.44	% C.ft	18,900
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.		12346.65	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.		726.72	P.Sft	-
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo stricking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	488.00	27747.06	% S.ft	135,406
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.		28253.61	% S.ft	-
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement	33.00	34520.31	% S.ft	11,392
63	Primary coat of chalk distemper (S.I No. 23 P/53)	6459.00	442.75	% S.ft	28,597
64	Distempring Three Coats (S.I No. 24 ©P/53)	6459.00	1079.65	% S.ft	69,735
65	Distempring Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	1530.00	829.95	% S.ft	12,698
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	1854.00	1948.10	% S.ft	36,118
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	650.00	2116.41	% S.ft	13,757
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6	545.00	12595.00	% C.ft	68,643

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	2nd Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).		7670.25	% S.ft	-
73	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					3953567


XEN

TALUKA BAKRANI PACKAGE (41)

REHABILITATION & EXPANSION OF HIGH
 PRIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBLSS SONO JATOI
 (REH: C/WALL & LAV:) TALUKA BAKRANI
 DISTRICT LARKANO.

Name of Scheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	1997.00	5445.00	% C.ft	108,737
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	5015.00	1285.63	% C.ft	64,474
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling rooled steel beams ,		126.04	P.Cwt	-
5	Removing cement or lime plaster. (S.I No. 53 P/13)		121.00	% C.ft	-
6	Dry bricks ramming (S.I No. 42 P/13).		3327.50	% C.ft	-
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkets.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	2095.00	3176.25	% OCft	6,654
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	1519.00	8694.95	% Cft	132,076
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)	20.00	8122.95	% Cft	1,625
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2185.00	11948.36	% Cft	261,072
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G:F)	2829.00	337.00	P.Cft.	953,373
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F:F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	134.031	5001.70	P.Cwt	670,383
16	Supply and filling sand under floor including plugging in to walls	8586.00	1141.25	% Cft	97,988
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	53.00	19.36	% S.ft	1,026
18	Extra Lead (03 Miles)	2094.00	579.41	% C.ft	12,133
19	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	2094.00	12674.36	% Cft	265,401

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	53.00	10.70	P.Sft	567
22	Making of Notice board made with cement (S.I No. 1 P/95).		58.11	P.Sft	-
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	10790.00	2206.60	% S.ft	238,092
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	10790.00	2197.52	% S.ft	237,112
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	90.00	14429.25	% C.ft	12,986
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	32.00	228.90	P.Sft	7,325
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla		240.50	P.Sft	-
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	100.00	902.93	P.Sft	90,293
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.		3550.00	P.Sft	-
35	Cutting & Fixing iron bars for barred windows.		28.23	P.Sft	-
36	Supplying of T- Girders at Site of Work (Schedule of Material).		3850.00	P.Cwt	-
37	Supplying of T- Iron at Site of Work (Schedule of Material).		3575.00	P.Cwt	-
38	Errection REMOVAL OF R.cc work.		3127.41	P.Cwt	-
39	Lying Murmur floor in consisting of 1" Layer of fine powderyof flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% OCft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).		226.02	P.Sft	-
44	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	27.00	194.16	P.Sft	5,242
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embedded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leaping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar including 1:2 cement pointin underside of tiles complete including curing etc (S.I No. 1 P/33).		11443.10	% S.ft	-
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		4411.82	% S.ft	-
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2384.00	3275.50	% S.ft	78,088
51	Providing and Laying 1-1/2thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41)	3808.00	2548.50	% S.ft	97,047
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	170.00	1887.40	% S.ft	3,209
53	Khapriel of cement concret 12" x8" 1" of approval design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	4426.00	1287.44	% C.ft	56,982
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	1125.00	12346.65	% C.ft	138,900

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.	48.00	726.72	P.Sft	34,883
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	600.00	27747.06	% S.ft	166,482
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.00	28253.61	% S.ft	49,726
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement		34520.31	% S.ft	-
63	Primary coat of chalk distemper(S.I No. 23 P/53)	195.00	442.75	% S.ft	863
64	Distemping Three Coats (S.I No. 24 ©P/53)	10233.00	1079.65	% S.ft	110,481
65	Distemping Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	2863.00	829.95	% S.ft	23,761
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	2647.00	1948.10	% S.ft	51,566
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	882.00	2116.41	% S.ft	18,667
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	2nd Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).		7670.25	% S.ft	-
73	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					3997214

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BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n		4828	P.No	-
	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
	Construction of Mainhole or inapeotion chamber for the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement plaster 1:3/2" thick inside of walls and 1" (25mm) thick over the benohing and chennel i/c fixing C.I mainhole cover with frome of clear opening 1-1/2"x1-1/2" (45"x45") of 1.75 Cwt (88.9 kg) embended in plain C.C 1:2:4 constroution mainhole for the required dia of circular sewar.		14748.00	P.No	-
	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set- one 1:6 cement mortar 6" thick C.C1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.		5913.22	P.Each	-
	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.		889.46	P.No	-
	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
	P/f water pumping set 3 HP unonablock single phase 220 volls with 11/2"x11/4" suntire delivery (60 ft head i/c making c.c 1:3:6 plater of required size fixing with units + hoolls (E.S.I No. 23 P/33)		15254.48	P.No	-
	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.		365.42	Ech	-

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.		87.95	P.Gallon	-
	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separately recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia		78.01	P. No.	-
	1/2" Dia		66.81	P. No.	-
	1" Dia		97.91	P. No.	-
	4" Dia		397.77	P. No.	-
	8" Dia		986.42	P. No.	-
	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.		103.05	P. No.	-
	3/4" Dia	30.00	110.40	P. No.	3,312
	1" Dia	10.00	132.43	P. No.	1,324
	4" Dia	10.00	712.75	P. No.	7,128
	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia		98.15	P. No.	-
	1" Dia		110.40	P. No.	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).		18470.00	P.No.	-
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>		76.05	P.No	-
(B)	<u>G.I Pipe</u>		77.00	P.Rft	-
(C)	<u>Machine</u>		4500.00	Each	-
2					
3	P/F 6"x6" C.I Floor Trap of the approved self cleaning & C.I secured down grating holes in walls plinth & floor for pipe connection & making good in C.C 1:2:4.		2024.46	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining		447.15	P.No	-
5	P/F 4" dia C.I soil vent pipe i/c cutting, fitting & extra painting to match the colour of the building.		666.21	P.Rft.	-
6	P/F 4"x4"x4" dia C.I branch of the required degree with access doors, rubber washer 1/4" thick & bolts & nuts & extra painting to match the colour of the building.		270.60	P.Rft.	-
7	Providing G.I pipe specials & clamps etc i/c fixing, cutting & fitting complete two coats of after cleaning the pipe etc with white zink paint with pigment to match the colour of the building & testing the pressure head of 200" & handling. 1" Dia		128.55	P.Rft.	-
8	3/4" Dia		95.79	P.Rft.	-
9	P/F 4" dia C.I terminal guard i/c extra painting to match the colour of the building.		689.70	P.Rft.	-
10	P/F full way gun metal valves with whelds threaded of flanged endswith rubber washing 6/4" standard pattern.		197.20	P.Rft.	-
12	S/F C.P brass bib cock 1/2" dia standard pattern.		667.92	P.No	-
13	Providing RCC pipe with collars class "B" & digging the benches to required depth & fixing in position i/c cutting, fitting & jointing with mexphalt composition & cement mortar 1:1 & testing with water pressure to a head of 4" ft above the top of the high 6" Dia	30.00	199.25	P.Rft.	5,978
14	S/F concealed stop cock of superior quality with C.P head 1/2" dia.		478.28	P.No	-
15	S/F long bib cock of superior quality with C.P head 1/2" dia.		1109.46	P.No	-


XEN

No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate f	1.00	14201	P.No	14,201
17	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	150.00	87.95	P.G	13,193
18	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	10.00	76.05	P.No	761
(B)	<u>G.I Pipe</u>	60.00	68.95	P.Rft	4,137
(C)	<u>Machine</u>	1.00	1441.60	P.No	1,442
Total Rs:-					63,848


XEN

(42)

(B.O.Q) (CIVIL WORK)

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (SECONDARY)
DISTRICT LARKANO (16-UNITS) (NON-ADP) AT GGHS MODEL SCHOOL (E.M)
(REHAB:) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Remoning cement or lime plaster. (S.i.No.53 P/13).	1448.0	121.00	% Cft	1,752
2	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	509.0	3327.50	% Cft	16,937
3	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	754.0	8694.95	%Cft	65,560
4	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	130.0	11948.36	%Cft	15,533
5	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	60.0	337.00	P.Cft	20,220
6	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	3.000	5001.70	P.Cwt	15,005
7	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	64.0	902.93	P.Sft	57,788
8	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	31.0	1778.50	P.Sft	55,134
9	Supplying and fixing in positipn iron/steel grill of 3/4"x1/4" size flate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill).(S.I.No.26 P/92).	72.0	180.50	P.Sft	12,996
10	Providing and fixing ornamental cement jalli 2" thick. (1:2:4) with out steel. (S.I.No.11 P/17).	379.0	226.02	P.Sft	85,662
11	Notice board made with cement. (S.I.No: 1 P/94).	160.0	58.11	P.Sft	9,298
12	Applying floating of cement 1/32" thick.. (S.I.No.14 P/	1448.0	660.00	%Sft	9,557
13	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	1448.0	2206.60	%Sft	31,952
14	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51). (G.Floor)	1448.0	2197.52	%Sft	31,820
15	Cement Concerate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	326.0	14429.25	% Cft	47,039


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick				
	Cement mortor 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	2037.0	307.00	P. Sft	625,359
17	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packes rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	11506.0	<u>3918.20</u> 1422.58	% Sft	163,682
18	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc complete. (S.I.No: 74 P/49).	11506.0	199.77	P.Sft	2,298,554
19	Providing and laying 1" thick topping cement concretae (1:2:4) including surface finishing and dividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	2286.0	4411.82	%Sft	100,854
20	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	241.0	186.04	P.Sft	44,836
21	White washing three coats. (S.I.No.26 (c) P/53).	2037.0	829.95	% Sft	16,906
22	Primary coat of chalk distempering. (S.I.No.23 P/57).	5550.0	442.75	% Sft	24,573
23	Distempering three coats. (S.I.No.24 (c) P/53).	5550.0	1079.65	% Sft	59,921
24	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of pairs and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	3803.0	1948.10	% Sft	74,086
25	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	739.0	2116.41	% Sft	15,640
26	Painting guard bars , gates iron bars gratings railings i/c standard barse etc: smiler open works.	320.0	1270.83	% Sft	4,067
				G.Total;	3,904,728

(43)

(B.O.Q) (CIVIL WORK)REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (SECONDARY)DISTRICT LARKANO (16-UNITS) (NON-ADP) AT GGHS MAHOTA (REHAB:) /GBHS ARIJA PHERO (REHAB: /C/WALL) TALUKA LARKANA

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	895.0	3327.50	% Cft	29,781
2	Remoning cement or lime plaster. (S.i.No.53 P/13).	4902.0	121.00	% Sft	5,931
3	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	814.0	1285.63	% Cft	10,465
3	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	4902.0	660.00	% Sft	32,353
4	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	936.0	3176.25	%0. Cft	2,973
5	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	89.0	8694.95	%Cft	7,739
(B)	<u>Ratio 14:8</u>	257	9416.28	%Cft	24,200
6	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	425.0	11948.36	%Cft	50,781
7	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).	606.0	337.00	P.Cft	204,222
8	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust	30.00	5001.70	P.Cwt	150,051
11	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	1531.0	3327.50	% Cft	50,944
13	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	43.0	12674.36	%Cft	5,450
16	Pacca brick work other than building including striking of joints upto 20' ft: height in (e) cement sand mortar 1:6 (S.I.No.7 (e) P/21).	1089.0	12346.65	%Cft	134,455
14	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: 29 P. 92).	18.0	228.90	P.Rft	4,120


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
15	P/F G.I frame chowkhats of size 7" x2" or 4" x 3" for Windows using 20 gauge G.I sheet i/c solded hinges and fixing at site with necessary hold fasts filling with cement sand repairing i/c all carriage tools and planst used in making and fixing .(S.I.No: 28 P/ 92).	30.0	240.50	P.Rft	7,215
18	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	7938.0	2206.60	%Sft	175,160
19	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	7938.0	2197.52	%Sft	174,439
20	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	1302.0	1287.44	% Sft	16,762
21	Two Coats of bituman laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	2420.0	1887.40	% Sft	45,675
22	First Class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkhats hold fasts hinges, iron tower bolts. Chocks cleats, handles and cords with hooks, etc 1 3/4" thick (Only Shutters)(S.I.No: 7 (b) P. 65).	236.0	902.93	P.Sft	213,091
25	Providing and laying 1" thick topping cement concerate (1:2:4) including surface finishing anddividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	4014.0	4411.82	%Sft	177,090
(B)	<u>2" Thick</u>	1209.0	3275.50	%Sft	39,601
(C)	<u>1:1/2" Thick</u>	2420.0	2548.29	%Sft	61,669
26	Cement Concerate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	845.0	14429.25	% Cft	121,927
36	Cement Pointing 1:2 flash on floor. (S.I.No: 18 P/52).	1152.0	939.57	% Cft	10,824
28	P/F.deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	136.0	1778.50	P.Sft	241,876
54	Making and fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2"3/8" & 3/4" sq: bars 4" centre to centre with locking arrangement. (S.I.No: 24 P. 97).	65.0	726.72	P.Sft	47,237

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
27	Providing and laying marble flooring super / china Verona / Teravera or equivalent having size 24"x12"x3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set in Cement Slurry. laid over 3/4" thick Cement mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge. (N.S.I)	4163.0	307.00	P. Sft	1,278,041
28	Providing & fixing 3/8" thick marble tiles of approved quality and colour and shade size 8"x4"/6"x4" in dado skirting and facing removal / tucking of existing plaster surface etc. Over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry current finishing cleaning and (i) For new works. (S.I.No: 68 (i) P/48).	496.0	186.04	P.Sft	92,276
29	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size plate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill). (S.I.No.26 P/92).	18.0	180.50	P.Sft	3,249
30	Laying Murum flooring consisting of 1" layer of fine powdery or flakey variety of Murum spread over 9" thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed provided over well rammed. (S.I.No: 1 P. 39).	1120.0	<u>3918.20</u> 1422.58	% Sft	15,933
31	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc complete. (S.I.No: 74 P/49).	1120.0	199.77	P.Sft	223,742
(B)	White washing two coats. .	4346.0	425.84	% Sft	18,507
39	Primary coat of chalk distempering. (S.I.No.23 P/57).	12444.0	442.75	% Sft	55,096
40	Distempering three coats. (S.I.No.24 (c) P/53).	31987.0	1079.65	% Sft	345,348
(B)	Distempering two coats.		1043.90	% Sft	-
41	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	4827.0	1948.10	% Sft	94,035
(B)	Old Surface	9358.0	1498.48	% Sft	140,228

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).				
(B)	Old Surface	2372.0	1160.06	% Sft	27,517
60	Painting guard bars , gates iron bars gratings railings i/c standard barse etc: smiler open works.	96.0	1270.83	% Sft	1,220
(B)	Old Surface	401.0	674.60	% Sft	2,705
				G.Total;	4,343,927


XEN

TALUKA RATODERO PACKAGE:- (01 Units)

44

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PERIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBHS LASHARI
TALUKA RATODERO DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete plain Ratio 1:2:4.	3600.00	3327.50	% C.ft	119,790
2	Removing cement or lime plaster. (S.I No. 53 P/13)	8232.00	121.00	% C.ft	9,961
3	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	6760.00	3176.25	% 0Cft	21,471
4	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 , (S.I No. 4 P/14)	1614.00	8694.95	% Cft	140,336
5	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	1002.00	11948.36	% Cft	119,723
6	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	3852.00	337.00	P.Cft.	1,298,124
7	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	171.96	5001.70	P.Cwt	860,112
8	Supply and filling sand under floor including plugging in to walls	1845.00	1141.25	% Cft	21,056
9	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	1649.00	12674.36	% Cft	209,000
10	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	169.00	10.70	P.Sft	1,808
11	Making of Notice board made with cement (S.I No. 1 P/95).	128.00	58.11	P.Sft	7,438
12	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	5430.00	2206.60	% S.ft	119,818
13	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	13662.00	2197.52	% S.ft	300,225
14	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)	8232.00	660.00	% S.ft	54,331
15	Cement concrete plain i/c placing; compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	635.00	14429.25	% C.ft	91,626
16	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	112.00	228.90	P.Sft	25,637


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
17	P/F G.I. frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	444.00	240.50	P.Sft	106,782
18	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	400.00	902.93	P.Sft	361,172
19	M.S Barred windows squars bars 5/8" dia.	9.946	3550.00	P.Sft	35,308
20	Cutting & Fixing iron bars for barred windows.	104.00	28.23	P.Sft	2,936
21	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)	250.00	3918.20	% S.ft	9,796
22	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape	1000.00	223.97	P.Sft	223,970
23	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	3013.00	1512.50	% OCft	4,557
24	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)	2945.00	3630.00	% OCft	10,690
25	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	55.00	226.02	P.Sft	12,431
26	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)	61.00	180.50	P.Sft	11,011
27	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	119.00	194.16	P.Sft	23,105
28	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	1774.00	4411.82	% S.ft	78,266
29	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	2364.00	3275.50	% S.ft	77,433
30	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	6192.00	1887.40	% S.ft	116,868

XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
31	P/L Glazed tile 6"x6" 1/4 on floor on wall facing , required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)	4336.00	30509.77	% S.ft	1,322,904
32	Primary coat of chalk distemper(S.I No. 23 P/53)	13534.00	442.75	% S.ft	59,922
33	Distempring Three Coats (S.I No. 24 ©P/53)	5302.00	1079.65	% S.ft	57,243
34	Distempring Two Coats (S.I No. 24 ©P/53)	12872.00	1043.90	% S.ft	134,371
35	White wash three coats.	2047.00	829.95	% S.ft	16,989
36	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	6639.00	1948.10	% S.ft	129,334
37	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	800.00	2116.41	% S.ft	16,931
38	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	2756.00	1212.21	% S.ft	33,409
TOTAL RS:-					6,245,884


XEN

TALUKA RATODERO PACKAGE:- (02 Units)**45****Name of Secheme:-****REHABILITATION & EXPANSION OF HIGH
PERIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBHS
PHULPOTA / MASOODERO TALUKA
RATODERO DISTRICT LARKANO.****BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)**

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	2558.00	5445.00	% C.ft	139,283
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	5872.00	1285.63	% C.ft	75,492
3	Removing cement or lime plaster. (S.I No. 53 P/13)	949.00	121.00	% C.ft	1,148
4	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	1664.00	3176.25	% 0Cft	5,285
5	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 . (S.I No. 4 P/14)	1402.00	8694.95	% Cft	121,903
6	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	3400.00	11948.36	% Cft	406,244
7	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	3782.00	337.00	P.Cft.	1,274,534
8	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	168.86	5001.70	P.Cwt	844,582
9	Supply and filling sand under floor including plugging in to walls	23899.00	1141.25	% Cft	272,747
10	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	7049.00	261.25	% S.ft	18,416
11	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	5872.00	12674.36	% Cft	744,238
12	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	125.00	10.70	P.Sft	1,338
13	Making of Notice board made with cement (S.I No. 1 P/95).	160.00	58.11	P.Sft	9,298
14	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	16710.00	2206.60	% S.ft	368,723
15	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	16710.00	2197.52	% S.ft	367,206

XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	157.00	14429.25	% C.ft	22,654
17	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	149.00	228.90	P.Sft	34,106
18	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	90.00	240.50	P.Sft	21,645
19	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	196.00	902.93	P.Sft	176,974
20	M.S Barred windows squars bars 5/8" dia.	0.950	3550.00	P.Sft	3,373
21	Cutting & Fixing iron bars for barred windows.	20.00	28.23	P.Sft	565
22	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)	328.00	3918.20	% S.ft	12,852
23	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape	1312.00	223.97	P.Sft	293,849
24	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	565.00	1512.50	% OCft	855
25	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	48.00	226.02	P.Sft	10,849
26	Supply & Fixing in Position iron/steel grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill). (S.I No. 26 P/92)	128.00	180.50	P.Sft	23,104
27	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 3/4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	365.00	194.16	P.Sft	70,868
28	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	2920.00	4411.82	% S.ft	128,825

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
29	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	4634.00	3275.50	% S.ft	151,787
30	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	1848.00	1887.40	% S.ft	34,879
31	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	3164.00	1287.44	% C.ft	40,735
32	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	2379.00	12346.65	% C.ft	293,727
33	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).	212.00	307.00	P.Sft	65,084
34	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)	37.00	186.04	P.Sft	6,883
35	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	170.00	27678.80	% S.ft	47,054
36	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	92.00	28253.61	% S.ft	25,993
37	Primary coat of chalk distemper(S.I No. 23 P/53)	12772.00	442.75	% S.ft	56,548
38	Distemping Three Coats (S.I No. 24 ©P/53)	12772.00	1079.65	% S.ft	137,893
39	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	29078.00	1948.10	% S.ft	566,469
40	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	1064.00	2116.41	% S.ft	22,519
41	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	192.00	1270.83	% S.ft	2,440
TOTAL RS:-					6,902,965


XEN³

GBHS PHULPOTABILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
2	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n	2.00	4828	P.No	9,656
3	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed		2533.47	P.No	-
4	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to Nyloon connections.		447.15	P.No	-
5	P/F 15"x12" beveled edge mirror of belgium glass complete with 1/8" thick hard board and CP screw fixed to wooden pleat (a) Standard pattern. (S.I No. 03 (a) P/7).		2376.00	P.No	-
6	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.	2.00	889.46	P.No	1,779
7	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
8	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.	2.00	365.42	Ech	731
9	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	250.00	87.95	P.Gallon	21,988
10	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia	150.00	78.01	P. No.	11,702
	1" Dia	150.00	97.91	P. No.	14,687
	4" Dia	50.00	397.77	P. No.	19,889



XEN

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
11	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.	2.00	103.05	P. No.	206
	3/4" Dia	2.00	110.40	P. No.	221
	1" Dia	2.00	132.43	P. No.	265
	4" Dia	2.00	712.75	P. No.	1,426
12	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhesive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia	2.00	98.15	P. No.	196
	1" Dia	2.00	110.40	P. No.	221
13	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).	1	18470.00	P. No.	18,470
14	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter	10.00	76.05	P.No	761
(B)	Boring	90.00	77.00	P.Rft	6,930
(C)	Machine	1.00	4500.00	Each	4,500
TOTAL RS:-					126,198


XEN

TALUKA RATODERO PACKAGE:- (01 Units)

Name of Secheme:-

REHABILITATION & EXPANSION OF HIGH
PERIORITY 4560 SCHOOLS (NON-ADP)
(2017-18 PROGRAMME) @GBHS
PANJODERO TALUKA RATODERO
DISTRICT LARKANO.

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)	2086.00	5445.00	% C.ft	113,583
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	5872.00	1285.63	% C.ft	75,492
3	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	248.00	3176.25	% C.ft	788
4	Cement concrete brick or stone ballast 1-1/2" to 2" gauge <u>Ratio 1:5:10</u> . (S.I No. 4 P/14)	1687.00	8694.95	% Cft	146,684
5	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	2255.00	11948.36	% Cft	269,436
6	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	3007.00	337.00	P.Cft.	1,013,359
7	Fabrication of Tor- steel reinforcement for cement concrete i.c cutting, bending & laying in position i.c the cost of binding wire also removal of rust from bars.	134.250	5001.70	P.Cwt	671,478
8	Supply and filling sand under floor including plugging in to walls	10199.00	1141.25	% Cft	116,396
9	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	10199.00	261.25	% S.ft	26,645
10	Pacca brick work in <u>Ground Floor</u> i.c striking of joints in cement sand mortar ratio 1:6.	5872.00	12674.36	% Cft	744,238
11	Making of Notice board made with cement (S.I No. 1 P/95).	128.00	58.11	P.Sft	7,438
12	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (<u>Ground Floor</u>)	8903.00	2206.60	% S.ft	196,454
13	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (<u>Ground Floor</u>)	8903.00	2197.52	% S.ft	195,645
14	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	135.00	14429.25	% C.ft	19,479

XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
15	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	105.00	228.90	P.Sft	24,035
16	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	522.00	240.50	P.Sft	125,541
17	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	456.00	902.93	P.Sft	411,736
18	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)	150.00	3918.20	% S.ft	5,877
19	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape	600.00	223.97	P.Sft	134,382
20	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	365.00	194.16	P.Sft	70,868
21	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	2024.00	4411.82	% S.ft	89,295
22	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	3914.00	3275.50	% S.ft	128,203
23	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	1128.00	1887.40	% S.ft	21,290
24	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	2325.00	1287.44	% C.ft	29,933
25	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortor 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).	796.00	307.00	P.Sft	244,372

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
26	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo striking & facing Removal /tucking of existing plaster surface etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)	128.00	186.04	P.Sft	23,813
27	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	50.00	27678.80	% S.ft	13,839
28	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	80.00	28253.61	% S.ft	22,603
29	Primary coat of chalk distemper(S.I No. 23 P/53)	10807.00	442.75	% S.ft	47,848
30	Distemping Three Coats (S.I No. 24 ©P/53)	10807.00	1079.65	% S.ft	116,678
31	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	3833.00	1948.10	% S.ft	74,671
32	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	912.00	2116.41	% S.ft	19,302
TOTAL RS:-					5,201,401


XEN

TALUKA RATODERO PACKAGE NO:- 1**GGHS PANJODERO****BILL OF QUANTITIES (B.O.Q) (WATER SUPPLY & SANITARY FITTING) (PART-B)**

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	P/F squatting type white glazed earthen ware W.C pan of with i/c cost of flushing cistern with internal fitting & flush pipe with bend making good in cement concrete 1:2:4.(i) W.C not less than 19" clear opening b/w flushing & 6 gallons flushing tank with	2.00	4802.6	P.No	9,605
2	P/F 22"x16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I & C.I cantilever brackets 6 inches built into walls painted white in two coats after a primary cost of red lead painted & pair of 1/2" dia etc & making requisite n	2.00	4928.00	P.No	9,856
3	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.	2.00	889.46	P.No	1,779
4	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	2.00	1384.24	P.No	2,768
5	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.	2.00	365.42	Ech	731
6	S/F Fibre Glass Tank of approved quality & design & wall thickness as specified i/c the cost of nuts, bolts & fixing in plate form of cement concrete 1:2:6 & making connection for inlet-outlet & over flow pipe etc complete.	250.00	87.95	P.Gallon	21,988
7	P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separatly recessed in Masanory CC or RCC upto 60' height and making good with CC i/c cutting finishing etc complete as per instructions of the Engineer Incharge. Specification of materials should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate i/c all cost of labour material charge scaffolding ladders etc complete (N.S.I). 3/4" Dia	150.00	78.01	P. No.	11,702
	1" Dia	150.00	97.91	P. No.	14,687
	4" Dia	50.00	397.77	P. No.	19,889
8	P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhensive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage. 1/2" Dia.	2.00	103.05	P. No.	206



XEN

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
	3/4" Dia	2.00	110.40	P. No.	221
	1" Dia	2.00	132.43	P. No.	265
	4" Dia	2.00	712.75	P. No.	1,426
9	providing chambers (15"X19"(inside dimension) 24" deep for house meters with 6" thick C.C 1:3:6 block set-one 1:6 cement mortar 6" thick C.C 1:4:8 in foundation 1/2" thick cement plaster 1:6 to all inside walls surface and to top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr), etc fixed in cement complete 1:2:4 curring excavation back filling & desposal of surplus earth etc.	2	5913.22	P.Each	11,826
10	P/F COUPLING / SCOKET of SCH-40 PVC of NAMAT OR EQUIVALENT make or approved quality and design of various sizes fixes to UPVC pipe / fitting paid separately using approved adhensive compound (AGM or WELDON, made in USA in ORANGE colour) upto 60' height as per instructions of the Engineer Incharge. Specifications of the material should meet the requirments of class 12454-B in accordance with the ASTM-D 1784 type 1 grade TEE 1. Rate including all costs of labour, materials cartage.scaffolding / ladders etc complete (N.S.I). 3/4" Dia	2.00	98.15	P. No.	196
	1" Dia	2.00	110.40	P. No.	221
11	P/F approved quality A.C motor pumping set (Javed Engineering) made 1-1/4" 1" section & delivery with base & complying 1 H.Power single phase motor (Siemens make) 60" ft; head of 2800 KPM i/c the cost of C.I fitting nuts, bolts & the cost of 1:2:4 plate from (RA Approved).	1	18470.00	P. No.	18,470
12	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter	10.00	76.05	P.No	761
(B)	Boring	90.00	77.00	P.Rft	6,930
(C)	Machine	1.00	4500.00	Each	4,500
TOTAL RS:₹					126,198


XEN

Schedule-B

48

Name of
Work:-

**REHABILITATION OF EXISTING PRIMARY SCHOOLS IN TALUKA
RATODERO DISTRICT LARKANO (11 UNITS) (2015-16 PROGRAMME)
@GBPS BAQOO KHAN KHOSO (REPLACEMENT OF SLAB) (ADP NO. 363)
TALUKA RATODERO DISTRICT LARKANO.**

S #	Description	Qty	Rate	Unit	Amount
1	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)				
	1066 @ Rs: 378.13 % Cft (Three Hundred Seventy eight rup & Thirteen paisa only)			Rs:	4,031
2	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)				
	92.00 @ Rs. 5,445.00 % Cft (Fifty four hundred & forty five rupees only)			Rs.	5,009
3	Dismantling rooled steel (S.I No. 42 P/13).				
	22.321 @ Rs: 126.04 P.Cwt (One hundred twenty six rupees & four paisa only)			Rs:	2,813
4	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)				
	2227.00 @ Rs: 1,285.63 % Cft (Twelve hundred eighty five rup & sixty three paisa only)			Rs:	28,631
5	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.				
	13 @ Rs: 3,176.25 % OCft (Thirty one Hundred seventy six rup: & twenty five paisa only)			Rs:	41
6	Cement concrete brick or stone ballast 1-1/2" to 2" gauge ratio 1:5:10 (S.I No. 3(d) P/14)				
	289 @ Rs: 8,694.95 % Cft (Eighty six hund: ninty four rup: & ninty five paisa only)			Rs:	25,128
7	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.				
	188.00 @ Rs: 11,948.36 % Cft (Eleven thousand nine hund: forty eight rup: & thirty six paisa only)			Rs:	22,463
8	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (S.I. No. 6(a) P/15)				
	268.00 @ Rs: 337.00 P.Cft (Three hundred Thirty seven rup: only)			Rs:	90,316
9	Fabrication of tor steel reinforcement for cement concrete i/c cutting, bending & laying in position i/c the cost of binding wire also removal of rust from bars. (S.I .No. 8 (b) P/16)				
	11.964 @ Rs: 5,001.70 P.Cwt (Five thousand one rup: & seventy paisa only)			Rs:	59,840


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S #	Description	Qty	Rate	Unit	Amount
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10 Supply and fixing sand under floor including plugging in to walls

1696.00 @ Rs. 1,141.25 % Cft Rs. 19,356
(Eleven hundred forty one rupees & twenty five paisa only)

11 Pacca brick work in Ground Floor i/c striking of joints in cement sand mortar ratio 1:6.

2227 @ Rs. 12,674.36 % Cft Rs. 282,258
(Twelve thousand six hundred seventy four rup: & thity six paisa only)

12 Supplying of Girders at Site of Work (Schedule of Material).

19.642 @ Rs. 3,850.00 P.Cwt Rs. 75,622
(Thirty Eight Hundred & Fifty Rupees only)

13 Supplying of T-Iron at Site of Work (Schedule of Materal).

17.973 @ Rs. 3,575.00 P.Cwt Rs. 64,253
(Thirty Five Hundred & Seventy five Rupees only)

14 Errection of Rolled Steel Beam etc (S.I No. 6 P/91).

37.615 @ Rs. 186.34 p.Cwt Rs. 7,009
(Eleven thousand four hund:forty three rup: & ten paisa only)

15 P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification

1115 @ Rs. 10.70 P.Sft Rs. 11,931
(Ten rupees & seventy paisa only)

16 First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wi

1115 @ Rs. 11,443.10 % Cft Rs. 127,591
(Eleven thousand four hund:forty three rup: & ten paisa only)

17 Reinforcement Cement Concrete spout including fixing in position 2 1/2" x6"x5".

4 @ Rs. 261.25 P.No. Rs. 1,045
(Two hundred sixty one rupees & twenty five paisa only)

18 Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51)

3650 @ Rs. 2,206.60 % Cft Rs. 80,541
(Twenty tow hund: six rup: & sixty paisa only)

19 Cement plaster 1:4 upto 12" height 3/8" thick. (S.I No. 11(a) P/51)

3594 @ Rs. 2,197.52 % Sft Rs. 78,979
(Twenty one hund: ninty seven rup: & fifty two paisa only)


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S #	Description	Qty	Rate	Unit	Amount
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20 Making Notice board made with cement.

56 @ Rs: 58.11 P. Sft Rs: 3,254
(Ninty Three rupees & Thirty Seven paisa only)

21 P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla

18 @ Rs: 228.90 P. Rft Rs: 4,120
(Two hundred twenty eight rupees & ninty paisa only)

22 P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for WINDOWS using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla

87.00 @ Rs: 240.50 P. Rft Rs: 20,924
(Two hundred forty rupees & fifty paisa only)

23 1st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick. (S.I No. 25 P/60)

64 @ Rs: 902.93 P. Sft Rs: 57,788
(Nine hund: two rup: & ninty three paisa only)

24 M.S Barred Windows Squars Bars 5/8" Dia.

1.00 @ Rs: 3,550.00 P. Sft Rs: 3,550
(Thrity Five hundred & fifty rupees only)

25 Cutting and fixing iron bars for barred windows.

21.00 @ Rs: 28.23 P. Sft Rs: 593
(Twenty Eight rupees & Twenty Three paisa only)

26 Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41)

848.00 @ Rs: 4,411.82 % Sft Rs: 37,412
(Forry four hundred eleven rup: & eighty two paisa only)

27 Cement pointing & strik joints on walls ratio 1:2.(S.I. No. 19(a) P/52)

880.00 @ Rs: 1,287.44 % Sft Rs: 11,329
(Twelve hundred eighty seven rupees & forty for paisa only)

28 White wash Three Coats (S.I No. 26 © P/53)

848 @ Rs: 829.95 % Sft Rs: 7,038
(Eight hundred twenty nine rup: & ninty five paisa only)


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S #	Description	Qty	Rate	Unit	Amount
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29 Primary coat of chalk distemper(S.I No. 23 P/53)

4474 @ Rs: 442.75 % Sft Rs: 19,809
(Four hundred forty two rupees & seventy five paisa only)

30 Distemping Three Coats (S.I No. 24 ©P/53)

4474 @ Rs: 1,079.65 % Sft Rs: 48,304
(One thousand Seventy nine rup: & sixty five paisa only)

31 Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.

957 @ Rs. 1,270.83 % Sft Rs. 12,162
(Twelve Hundred seventy rupees & cithy three paisa only)

32 Prepairng surface and painting of doors and widows any type, (including edges)
(3 coats) (new surface) (S.I.No: 4 (c) P. 76 (ii)).

104 @ Rs: 2,116.41 % Sft Rs: 2,201
(Twenty one hundred sixteen rup & forty one paisa only)

Total Rs: 1,215,340


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Description	Rate	Unit	Amount
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PART-B

P/f squatting type white glazed earthen ware W.C pan of with i/c the cost of flushing cistern with internal fitting and flush pipe with bend making good in cement concrete 1:2:4(i) W.C not less than 19" clear opening between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble.

2.00 @ Rs: 4802/60 P.No: Rs: 9,605
(Forty Eight hundred Two rup: & Sixty paisa only)

- 2 S/F concealed stop cock of superior quality with C.P head 1/2" dia.

2.0 @ Rs: 889/46 P.No: Rs: 1,779
(Eight hundred Eighty Nine rup: & Forty Six paisa only)

- 3 S/F long bib-cock of superior quality with C.P head 1/2" dia

2.0 @ Rs: 1384/24 P.No: Rs: 2,768
(Thirteen hundred Eighty Four rup: & Twenty Four paisa only)

- 4 Providing & Fixing Handle valve (China)

2.0 @ Rs: 365.42 P.No: Rs: 731
(Seven hundred Seventy Seven rup: & Eighty paisa only)

G.Total: Rs: 14,883

(B) N.S.I

- 1 Hand pump all accessoried i/c fitting and fixing with local made coir strainer with wooden shoe i/c the complete.

(a) Filter 10.0 @ Rs: 76/05 P.Rft: Rs: 760
(Seventy Six rup: & Five Pessa only)

(b) G.I Pipe 90.0 @ Rs: 77 P.Rft: Rs: 5,390
(Tharty Eight Six rup: & Ninety Five Pessa only)

(C) Machine 1.0 @ Rs: 4500 Each: Rs: 4,500
(Fourteen Hund: Forty One rup: & Sixty Five Pessa only)

G.Total: Rs: 10,650

S.I	Rs.	14,883
N.S.I	Rs.	10,650
G.Total:	Rs.	25,533


XEN

SCHEDULE-B

49

Name of work:- Integrated Rehabilitation of Existing Primary / Middle Schools
Building-Taluka Bakrani (2017-18 Prog) At : GBPS Nabi Bux
Chuhan Talukā Bakrani

S.n	Discription	Qty	Rate	Unit	Rs	Amount
1	Dismantling R.C.C Work 1:2:4	470.0	@Rs: 5445.0	%Cft	Rs:	25592 (Rs: Five thousand Four Hundred Fourty Five on
2	Dismantling Pacca brick work in cement mortor (s.no (a) P/10)	953.0	@Rs: 1285.63	%Cft	Rs:	12252 (Rs: Twolive thousand Eighty Five & PLS Sixty Thr
3	Excavation in foundation of building bridges and other structure member with excavate chain and lift upto 5" ft in ordingay soil (S.I.No: 18p4).	164.00	@ Rs: 3176.25	%0 Cft	Rs:	521 (Three Thousand One Hund:Seventy Six & P.S Twi
4	Cement concrete brick or stone ballast 1-1/2 " to 2" guage Ration 1:5:10 (S.I.No 4 (C) 1	703.0	@Rs: 8694.95	% Cft	Rs:	61125 (Eight Thousand Six Hund:Ninty Four & P.S Ninty
5	Pacca brick work in foundation and plinth in cement sand mortor ration 1:6 (S.I No 4 (C	1253.0	@ Rs: 11948.36	% S.ft	Rs:	149713 (Eleven Thousand Nine Hund: Fourty Eight & F
6	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ laid in position complete in all respect ratio 1:2:4 (S.I No. 6 (a) P/18)	455.0	@Rs: 337.0	P.Cft	Rs:	153335 (Three Hundred Thirty Seven only)
7	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and layin i/c the cost of binding wire also removal of rust from bars, (S.I.No 07 (b) P/20)	20.290	@ Rs: 5001.70	P.CWt	Rs:	101484 (Five ThousandOne &P.S Seventy).
8	Pacca brick work in Ground floor i/c stricking of joints cement sand mortor Ratio 1:6 (S	2392.0	@Rs: 12674.36	% Cft	Rs:	303171 (Twlove thousand Six Hundred Seventy Four & 1
9	Supplying Girders at site of work(Sch: of Material)	19.70	@ Rs: 3850.0	P.Cwt	Rs:	75845 (Three Thousand Eight Hundred Fifty only)
10	Supplying T-iron at site of work (Sch: of Material).	19.68	@ Rs: 3375.0	P.Cwt	Rs:	66420 (Three Thousand Three Hundred Seventy Five on
10	Errection of rolled steel beams or old rails in roof etc crrrection and fixing in position.	39.39	@ Rs: 186.34	P.Cwt	Rs:	7340 (One Hundred Eighty Six & P.S Thirty Four only)
11	First class tiles roofing consisting of 4" earth and 1" plaster wilth Gobri leeping over 1/1:6 with 34lbs: if bituumen coating sand blinded provided over 2 layers of tiles 12"x6" mortor with 1/4" thick sand of tiles complete i/c currin etc complete (S.I.No 1 P/38)	982.00	@ Rs: 11443.10	%Sft	Rs:	112371 (Rs:Eleven thousand Four Hundred Fourty Three

XEN

S.n	Discription	Qnty	Rate	Unit	Rs	Amount
12	Cement plaster 1:6 upto 20' ft; height 1/2" thick. (S.I No.13 P/57)	7272.0	@Rs; 2206.60	% Sft	Rs:	160464 (Two hundred Three Hund: Fifty Six & P.S Sever
13	Cement plaster 1:4 upto 20' ft; height 3/8" thick. (S.I No: 11(a) P 57)	7272.0	@ Rs: 2197.52	%S.ft	Rs:	159804 (Two Twousand One Hund: Ninty Seven & P.S Fil
14	Pacca brick work in other than building i/c stricking of joints cement sand mortor Ratio 750.0	750.0	@Rs: 12346.65	% Cft	Rs:	92600 (Tolive Thousand Three Hundred Fourty Six & P.
15	Cement pointing and stricking of joints on walls ratio. 1: 2 (S.I No.19 (a) P/53)	2326.0	@ Rs: 1287.44	%Cft	Rs:	29946 (Twolive Thousand Eighty Seven & P.S Fourty Fo
16	M/F Steel grated doors with 1/16" thick sheeting i/c agnle iron frame 2"x2"x1/3" squar	48.0	@ Rs: 726.72	%Sft	Rs:	34,883 (Rs: Seven Hundred Twenty Six & P.S Seventy Tw
17	P/L 1" thick cement concrete topping 1:2:4 i/c surface finishing and dividing into paenl.	1974.0	@ Rs: 4411.82	% S.ft	Rs:	87089 (Rs: Four Thousand Four Hundred Eleven & P.S Ei
18	S/F sand floor and plugging into walls (S.I.No 29 P/31).	4430.0	@Rs: 1141.25	%Cft	Rs:	50557 (Rs:One Thousand One Hund: Fourty One & P.S T
19	Painting doors & Window any type.	374.0	@ Rs: 2116.41	%Cft	Rs:	7915 (Rs:Two Thousand one Hund: Sixteen & P.S Fourt
20	Preparing the surface and painting with weather coat i/c rubbing the surface coat i/c ru brick /sen paper filling the voids with chalk plaster of paris and then painting with wea make old surface.	3809.0	@Rs: 1948.10	%Sft	Rs:	74203 (One Thousand Nine Hundred Fourty Eight & P.S

Total	1770590
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XEN

Part B

- 1 P/F Squating type white glass W.C pan of i/c coat of finishing cistring with interna between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble

1.0 @ Rs: 4802.61 P.No: Rs: 4,803

- 2 P/F approved quality AC Motor Mono Block set made 1-1/4"x1" Suction and Deliv Single phase motor (Diamond / Siemence make or equal) i/c Cost of c.i Fitting na

1.0 @ Rs: 14201.0 P.No: Rs: 14,201

- 3 Hand pump all accessoried i/c fitting and fixing with local made coir strainer with shoe i/c the complete.

Filter R.A

10.0 @ Rs: 76.05 P.Rft Rs: 761

G. I Pipe

70.0 @Rs: 77.00 P.Rft Rs: 5,390

Machine R.A

1 No. @Rs: 4500.0 P.No: Rs: 4,500

Total Rs: 30,000


XEN

Name of work:- Constuction / Reconstruction of Dangerous of Primary Schools
Taluka Dokri (2-Units) (2015-16 Prog) At : GBPS Gulab Junejo
Taluka Dokri.

S.n	Discription	Qty	Rate	Unit Rs	Amount
1	Dismantling R.C.C Work 1:2:4	767.0	@Rs: 5445.0	%Cft Rs:	41763 (Rs: Five thousand Four Hundred Fourty Five on
2	Dismantling Pacca brick work in cement mortor (s.no (a) P/10)	1154.0	@Rs: 1285.63	%Cft Rs:	14836 (Rs: Twelve thousand Eighty Five & P.S Sixty Thi
3	Excavation in foundation of building bridges and other structure member with excavate chain and lift upto 5" ft in ordingay soil (S.I.No: 18p4).	35.00	@ Rs: 3176.25	%0 Cft Rs:	111 (Three Thousand One Hund:Seventy Six & P.S Two
4	Cement concrete brick or stone ballast 1-1/2 " to 2" guage Ration 1:5:10 (S.I.No 4 (C))	12.0	@Rs: 8694.95	% Cft Rs:	1043 (Eight Thousand Six Hund:Ninty Four & P.S Ninty
5	Pacca brick work in foundation and plinth in cement sand mortor ration 1:6 (S.I No 4 (C	731.0	@ Rs: 11948.36	% S.ft Rs:	87343 (Eleven Thousand Nine Hund: Fourty Eight & F
6	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ laid in position complete in all respect ratio 1:2:4 (S.I No. 6 (a) P/18)	332.0	@Rs: 337.0	P.Cft Rs:	111884 (Three Hundred Thirty Seven only)
7	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and layin i/c the cost of binding wire also removal of rust from bars, (S.I.No 07 (b) P/20)	14.821	@ Rs: 5001.70	P.CWt Rs:	74130 (Five Thousand One &P.S Seventy).
8	Pacca brick work in Ground floor i/c striking of joints cement sand mortor Ratio 1:6 (S	854.0	@Rs: 12674.36	% Cft Rs:	108239 (Twelve thousand Six Hundred Seventy Four & .
9	Pacca brick work in other than building i/c striking of joints cement sand mortor Ratic	900.0	@Rs: 12346.65	% Cft Rs:	111120 (Twelve Thousand Three Hundred Fourty Six & P.
10	Supplying Girders at site of work(Sch: of Material)	22.10	@ Rs: 3350.0	P.Cwt Rs:	85085 (Three Thousand Eight Hundred Fifty only)
11	Supplying T-iron at site of work (Sch: of Material).	18.92	@ Rs: 3375.0	P.Cwt Rs:	63855 (Three Thousand Three Hundred Seventy Five on
12	First class tiles roofing consisting of 4" earth and 1" plaster wilth Gobri leeping over 1, 1:6 with 34lbs: if bituumen coating sand blinded provided over 2 layers of tiles 12"x6" mortor with 1/4" thick sand of tiles complete i/c currin etc complete (S.I.No 1 P/38)	1134.00	@ Rs: 11443.10	%Sft Rs:	129765 (Rs:Eleven thousand Four Hundred Fourty Three

S.n	Discription	Qty	Rate	Unit	Rs	Amount
13	Cement plaster 1:6 upto 20' ft; height 1 1/2" thick. (S.I No.13 P/57)	3921.0	@Rs; 2206.60	% Sft	Rs:	86521 (Two hundred Three Hund: Fifty Six & P.S Sever
14	Cement plaster 1:4 upto 20' ft; height 3/8" thick. (S.I No: 11(a) P 57)	3921.0	@ Rs: 2197.52	%S.ft	Rs:	86165 (Two Twousand One Hund: Ninty Seven & P.S Fil
15	Notice board made with cement.	64.0	@Rs; 53.11	P.Sft	Rs:	3719 (Fifty Eight Eleven rupes only)
16	Cement pointing and stricking of joints on walls ratio. 1: 2 (S.I No.19 (a) P/53)	1574.0	@ Rs: 1267.44	%Cft	Rs:	20264 (Twolive Thousand Eighty Seven & P.S Fourty Fo
17	First Class deodar wood wrought joinery in doors and windows etc: fixed in position i/ panelled and glazed (b) 1-3/4thicks.	95.0	@ Rs: 902.93	P.Sft	Rs:	85778 (Nine Hundrad Two P.S Ninty Three only)
18	S/F iron steel grill 1/4"*3/4" size flate iron of approved made shade in 3 white weight t lbs:/Sq:/Ft: of finished grill.	235.0	@ Rs: 180.50	%C.ft	Rs:	42,418 (Rs:One Hndrad Eighty & P.S Fifty)
19	S/F sand floor and plugging into walls (S.I.No 29 P/31).	3465.0	@Rs: 1141.25	%Cft	Rs:	39544 (Rs:One Thousand One Hund: Fourty One & P.S T
20	P/L 1" thick cement concrete topping 1:2:4 i/c surface finishing and dividing into paenl	1002.0	@ Rs: 4411.82	% S.ft	Rs:	44206 (Rs: Four Thousand Four Hundred Eleven & P.S E
21	M/F Steel grated doors with 1/16" thick sheeting i/c agnle iron frame 2"x2"x1/3" squa	48.0	@ Rs: 726.72	%Sft	Rs:	34,883 (Rs: Seven Hundred Twenty Six & P.S Seventy Tw
22	White wash three coats (S.I.No 26 (c) 59).	948.0	@Rs: 829.95	% Sft	Rs:	7868 (Rs: Eight hundred twenty nine rupes & P.S Nine f
23	Distempring three coats, (S.I.No 24 (b) P/59)	4963.0	@ Rs: 1079.65	% Sft	Rs:	53583 (Rs: One Thousand Seventy Nine & P.S Sixty Five
24	Painting doors & Window any type.	374.0	@ Rs: 2116.41	%Cft	Rs:	7915 (Rs:Two Thousand one Hund: Sixteen & P.S Fourt
25	Preparing surface painting guards bars gates iron grating railing i/c standards brass et (S.I.No 4 d P/76 ii)	96.0	@Rs: 1270.83	%Cft	Rs:	1220 (Rs: One thousand two hundred rupes only)

Total	1308004
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XEN

SCHEDULE-B

(51)

Name of work:- Construction Reconstruction of Dangerous Schools Taluka
Dokri (8-Units) (2015-16 Prog) At : GBPS Allah Yar Sario
Taluka Dokri

S.n	Discription	Qty	Rate	Unit Rs	Amount
1	Excavation in foundation of building bridges and other structure member with excavate chain and lift upto 5" ft in ordingay soil (S.I.No: 18p4).	1500.00	@ Rs: 3176.25	%0 Cft Rs: 4764	(Three Thousand One Hund:Seventy Six & P.S Two
2	Cement concrete brick or stone ballast 1-1/2 " to 2" guage Ration 1:5:10 (S.I.No 4 (C) 1	605.0	@Rs: 8694.95	% Cft Rs: 52604	(Eight Thousand Six Hund:Ninty Four & P.S Ninty
3	Pacca brick work in foundation and plinth in cement sand mortor ration 1:6 (S.I No 4 (C	1511.0	@ Rs: 11948.36	% S.ft Rs: 180540	(Eleven Thousand Nine Hund: Fourty Eight & F
4	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ laid in position complete in all respect ratio 1:2:4 (S.I No. 6 (a) P/18)	372.0	@Rs: 337.0	P.Cft Rs: 125364	(Three Hundred Thirty Seven only)
5	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and layin i/c the cost of binding wire also removal of rust from pars, (S.I.No 07 (b) P/20)	18.000	@ Rs: 5001.70	P.CWt Rs: 90031	(Five Thousand One &P.S Seventy).
6	S/F sand floor and plugging into walls (S.I.No 29 P/31).	4541.0	@Rs: 1141.25	%Cft Rs: 51824	(Rs:One Thousand One Hund: Fourty One & P.S T
7	Providing and laying single per layer of polythen sheet 0.13 mm thick for water proffing instruments of Engineer Incharge.	163.00	@Rs: 10.70	P.Sft Rs: 1744	(Rs: Ten Rupes & Seventy only)
8	Dry rammed bricks or stone ballost 11/2" to 2 " gauge (S.I.No 2 (c) P/14).	137	@Rs: 3327.50	%Cft Rs: 4559	(Rs: Three thousand Three Hundred Twenty Seve
9	Pacca brick work in Ground floor i/c striking of joints cement sand mortor Ratio 1:6 (S	1268.0	@Rs: 12674.36	% Cft Rs: 160711	(Twlove thousand Six Hundred Seventy Four & 1
10	Supplying Girders at site of work(Sch: of Material)	10.41	@ Rs: 3850.0	P.Cwt Rs: 40082	(Three Thousand Eight Hundred Fifty only)
11	Supplying T-iron at site of work (Sch: of Material).	10.00	@ Rs: 3375.0	P.Cwt Rs: 33750	(Three Thousand Three Hundred Seventy Five on


XEN

S.n	Discription	Qnty	Rate	Unit	Rs	Amount
12	First class tiles roofing consisting of 4" earth and 1" plaster with Gobri leaping over 1/1:6 with 34lbs: if bituumen coating sand blinded provided over 2 layers of tiles 12"x6" mortor with 1/4" thick sand of tiles complete i/c currin etc complete (S.I.No 1 P/38)	565.00	@ Rs: 11443.10	%Sft	Rs:	64654 (Rs:Eleven thousand Four Hundred Fourty Three)
13	P/F G.I frame of size 7x2 or 4-1/2"x3" for Doors 20" guage G.I sheet i/c weldedhings & carriagew tools and plants used in making and fixing (S.I.No:29 P/98)	60.00	@Rs: 228.90	P.Rft	Rs:	13734 (Rs: Two Hundrad Twenty Eingt & P.S Ninty onl)
14	P/F G.I frame of size 7x2 or 4-1/2"x3" for Window 20" guage G.I sheet i/c weldedhings & carriagew tools and plants used in making and fixing (S.I.No:29 P/98)	114.00	@Rs: 240.50	P.Rft	Rs:	27417 (Rs: Two hundred Fourty & P>S Fifty only)
15	Pacca brick work in other than building i/c stricking of joints cement sand mortor Ratio	563.0	@Rs: 12346.65	% Cft	Rs:	69512 (Tolive Thousand Three Hundred Fourty Six & P.
16	M/S bars barred windows.	1.0	@Rs: 3550.0	P.Cwt	Rs:	3550.0 (Three Thousands five hundred fifty only)
17	Cutting and Fixing iron Bars for Barried Windows (S.I No.18 P/97)	384.0	@Rs 28.23	P.Sft	Rs:	10840.0 (Twenty Eight & P.S Twenty Three only)
18	First Class deodar wood wrought joinery in doors and windows etc: fixed in position i/c panelled and glazed (b) 1-3/4thicks.	126.0	@ Rs: 902.93	P.Sft	Rs:	113769 (Nine Hundraed Two P.S Ninty Three only)
19	S/F iron steel grill 1/4"*3/4" size flate iron of approved made shade in 3 white weight t lbs:/Sq:/Ft: of finished grill.	143.0	@ Rs: 180.50	%C.ft	Rs:	25,812 (Rs:One Hndrad Eighty & P.S Fifty)
20	Cement plaster 1;6 upto 20' ft; height 1/2" thick. (S.I No.13 P/57)	3507.0	@Rs: 2206.60	% Sft	Rs:	77385 (Two hundred Three Hund: Fifty Six & P.S Sever
21	Cement plaster 1:4 upto 20' ft; height 3/8" thick. (S.I No: 11(a) P 57)	3475.0	@ Rs: 2197.52	%S.ft	Rs:	76364 (Two Twousand One Hund: Ninty Seven & P.S Fil
22	Cement pointing and stricking of joints on walls ratio. 1: 2 (S.I No.19 (a) P/53)	1486.0	@ Rs: 1287.44	%Cft	Rs:	19131 (Twolive Thousand Eighty Seven & P.S Fourty Fo
23	Notice board made with cement.	32.0	@Rs; 58.11	P.Sft	Rs:	1860 (Fifty Eight Eleven rupes only)
24	P/L 1" thick cement concrete topping 1:2:4 i/c surface finishing and dividing into paenl.	465.0	@ Rs: 4411.82	% S.ft	Rs:	20515 (Rs: Four Thousand Four Hundred Eleven & P.S Ei
25	Providing & Fixing oranmental cement jalli 2" thick (1:2:4) with steel (S.i 11P/17)	59.0	@Rs; 226.02	P.Sft	Rs:	13335 (Two hundred twenty six rupes only)


XEN

S.n	Discription	Qnty	Rate	Unit	Rs	Amount
26	Two coat bitumen laid not using 34 lbs for over roof and blinded with standard at Cft pe	530.0	@Rs: 1887.40	% S.f	Rs:	10003
	(Rs: One Thousand Eighty Seven & P.S Fourty only)					
27	Providing and fixing Almirah 9"-12" depth including boxing with back shelves shutters brass fittings complete	17.0	@ Rs: 1778.50	P.Sft	Rs:	30235
	(One thousands seven hundred seventy eight or					
28	White wash three coats (S.I.No 26 (c) 59).	505.0	@Rs: 829.95	% Sft	Rs:	4191
	(Rs: Eight hundred twenty nine rupes & P.S Nine f					
29	Primary coat of chalk under distempring (S.I No: 23 P 59)	2953.0	@ Rs; 442.75	% Sft	Rs:	13074
	(Four Hundred Fourty Two & P.S Seventy Five or					
30	Distempring three coats, (S.I.No 24 (b) P/59)	2953.0	@ Rs: 1079.65	% Sft	Rs:	31882
	(Rs: One Thousand Seventy Nine & P.S Sixty Five					
31	Preparing the surface and painting with weather coat i/c rubbing the surface coat i/c ru brick /sen paper filling the voids with chalk plaster of paris and then painting with wea make old surface.	1029.0	@Rs: 1948.10	%Sft	Rs:	20046
	(One Thousand Nine Hundred Fourty Eight & P.S					
32	Painting doors & Window any type.	241.0	@ Rs: 2116.41	%Cft	Rs:	5101
	(Rs:Two Thousand one Hund: Sixteen & P.S Fourt					
33	Preparing surface painting guards bars gates iron grating railing i/c standards brass et (S.I.No 4 d P/76 ii)	403.0	@Rs: 1270.83	%Cft	Rs:	5121
	(Rs: One thousand two hundred rupes only)					

Total	1393313
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XEN

Part B

- 1 P/F S... ating type white glass W.C pan of i/c coat of finishing cistring with interna
between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble

1.0 @ Rs: 4802.61 P.No: Rs: 4,803

- 2 P/F approved quality AC Motor Mono Block set made 1-1/4"x1" Suction and Deliv
Single phase motor (Diamond / Siemence make or equal) i/c Cost of c.i Fitting na

1.0 @ Rs: 14201.0 P.No: Rs: 14,201

- 3 Hand pump all accessoried i/c fitting and fixing with local made coir strainer with
shoe i/c the complete.

Filter R.A

10.0 @ Rs: 76.05 P.Rft Rs: 761

G. I Pipe

70.0 @Rs: 77.00 P.Rft Rs: 5,390

Machine R.A

1 No. @Rs: 4500.0 P.No: Rs: 4,500

Total Rs: 30,000


XEN

SCHEDULE " B "**S.No: 52****NAME OF WORK:-****INTEGRATED REHABILITATION OF EXISTING SECONDARY
AND HIGHER SECONDARY SC HOOLS IN TALUKA
LARKANO (5-UNITS) (2015-16 PROGRAMME) AT GBHSS.PILOT
LARKANO.**

S.No:	Description	Qty:	Rate	Unit	Amount
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- 1 Dismantling cement 2nd class tile roofing. (S.I.No: 22 (b) P/11).

165.00	@ Rs: 378/13	% Cft	Rs:	624.00
(Rs: three hund: seventy eight & thirteen only)				

- 2 Dismantling cement concrete reinforced separating reinfor cement from concrete cleaning and straightening the same. (S.I.No.20 P/10).

226.00	Rs 5445/-	% Cft	Rs:	12,305.00
(Rs: five thous: four hund: forty five only)				

- 3 Dismantling rolled steel beams, iron rails etc. (S.I.No.42 P/13).

3.00	@ Rs:126/04	P.Cft	Rs:	378.00
(Rs: one hund: twenty six & four only)				

- 4 Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).

564.00	@ Rs: 1285/63	% Cft	Rs:	7,250.00
(Rs: one two hund: eighty five & sixty three only)				

- 5 Removing door with chowkats. (S.I.No.33 (a) P/12).

11.00	@ Rs:142/18	P.No	Rs:	1,563.00
(Rs: one hund: fourty two & eighteen only)				

- 6 Remoning cement or lime plaster. (S.i.No.53 P/13).

1355.00	@ Rs:121/-	% Sft	Rs:	1,640.00
(Rs: one hund: twenty one only)				

- 7 Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and remming lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).

1027.00	@ Rs: 3176/25	% 0 Cft	Rs:	3,262.00
(Rs: three thous: one hund: seventy six & twenty five only)				

- 8 Cement concrete brick or stone ballast 1-1/2 " to 2" guage (c) Ratio 1:5:10. (S.I.No: 4 (c) P/ 14).

171.00	@ Rs: 8694/95	% Cft	Rs:	14,868.00
(Rs: eight thous: six hund: ninty four & ninty five only)				


XEN

S.No:	Description	Qty:	Rate	Unit	Amount
9	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)				
		885.00	@ Rs:11948/36	%Cft	Rs: 105,742.0
			(Rs: eleven thous: nine hund: eighty five & thirty six only)		
10	RCC work in roof slab beam columns rafts lintel and other structure member laid in situ or precast laid in position complete in all respect ratio 1:2:4 (S.I.No.6 P/16).				
		430.00	@ Rs:337/-	P.Cft	Rs: 144,910.0
			(Rs: three hund: thirty seven only)		
11	Fabrication of Tor steel reinforcement for cement concrete i/c cutting bending and laying in position i/c the cost of binding wire also removal of rust from bars.(S.I.No.8 (b) P/16)				
		21.000	@ Rs:5001/70	P.Cwt	Rs: 105,035.0
			(Rs: five thous: one & seventy only)		
12	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).				
		1649.00	@ Rs: 1141/25	%Cft	Rs: 18,819.0
			(Rs: one thous: one hund: forty one & twenty five only)		
13	Extra lead 3 miles				
		1649.00	@ Rs: 579/41	%Cft	Rs: 6,711.0
			(Rs: five hund: sevnty nine & fourty one only)		
14	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).				
		530.00	@ Rs:3327/50	%Cft	Rs: 17,635.00
			(Rs: three thous: three hund: twenty seven & fifty only)		
15	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).				
		1039.00	@ Rs:12674/36	%Cft	Rs: 131,687.00
			(Rs: twelve thous: six hund: seventy four & thirty six only)		
16	P/F G.I Frame / Chowkhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet i/c welded hing and fixing at site with necessary hold fasts. Filling with cement sand slurry of ration 1:6 and repairing the jambs. The cost aslo i/c all carriage. Tools and plants used in making and fixing. (S.I.No: P.).				
		307.00	@ Rs:228/90	P.Rft	Rs: 70,272.00
			(Rs: two hund: twenty eight & ninty only)		
17	P/F G.I frame chokats of size 7" x2" or 4" x 3" for Windowss using 20 gauge G.I sheet i/c solded higuess and fixing at site with necessary hold fosts filling with cement sand repairing i/c all carriage tools and planst used in making and fixing .(S.I.No.29 P/98).				
		120.00	@ Rs: 240/50	P.Rft	Rs: 28,860.00
			(Rs: two hund: fourty & fifty only)		


XEN

S.No:	Description	Qty:	Rate	Unit	Amount
18	P/F iron steel grill door with angle iron frame of 1-1/2" x 1-1/2"x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in Charge. (S.I.No.71P/93).	42.00	@ Rs:231/60	P.Sft	Rs: 9,727.00
			(Rs: two hund: thirty one & sixty only)		
19	Supplying and fixing in position iron/steel grill of 3/4"x1/4" size flate iron of approved design i/c painting three coats etc complete (weight not to be less than 3.7 lbs/Sq.foot of finished grill).(S.I.No.26 P/92).	231.00	@ Rs:180/50	P. Sft	Rs: 41,695.0
			(Rs: one hund: eighty & fifty only)		
20	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	4430.00	@ Rs:2206/60	% Sft	Rs: 97,752.0
			(Rs: two thous: two hund: six & sixty only)		
21	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	4430.00	@ Rs:2197/52	% Sft	Rs: 97,350.0
			(Rs: two thous: one hund: ninty seven & twenty two only)		
22	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	429.000	@ Rs:1287/44	% Sft	Rs: 5,523.0
			(Rs: one thous: two hund: eighty seven & fourty four only)		
23	First Class deodar wood wrought joinery in doors and windows etc: fixed in position i/c deodar panelled and glazed (b) 1-3/4" thick. (Only Shutters).	690.00	@ Rs: 902/93	P.Sft	Rs: 623,022.00
			(Rs: nine hud: two & ninty three only)		
24	Providing and laying 1" thick topping cement concerate (1:2:4) including surface finishing anddividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	1323.000	@ Rs: 4411/82	%.Sft	Rs: 58,368.00
			(Rs: four thous: four hund: eleven & eighty two only)		
(B) 1-1/2"Thick					
		739.00	@ Rs: 2548/29	% S.ft	Rs: 18,832.00
			(Rs: two thous: five hund:forty eight & twenty nine only)		
25	Cement Concerate plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without Ratio. 1:2:4.(S.I.No: 5 (f) P/ 15).	10.00	@ Rs: 14429/25	%Cft	Rs: 1,442.00
			(Rs: fourteen thous: four hund: twenty nine & twenty five only)		


XEN

S.No:	Description	Qty:	Rate	Unit	Amount
26	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar ratio 1:2 complete. (S.I.No.24 P/42).	250.00	@ Rs:27678/86	% Sft	Rs: 69,197.00 (Rs: twenty seven thous: six hund seventy eight & eighty six c
27	White tile dado 1/4" thick laid in pigment over 1:2 cement sand mortor 3/4" thick including finishing. (S.I.No.38 P/44).	1018.00	@ Rs:28299/30	% Sft	Rs: 288,087.0 (Rs: twenty eight thous: two hund ninty nine & thirtyonly)
28	White washing three coats. (S.I.No.26 (c) P/53).	400.00	@ Rs:829/95	% Sft	Rs: 3,320.00 (Rs: eight hund: twenty nine & ninty five only)
29	Primary coat of chalk under distemping.	9043.00	@ Rs: 442/75	% S.ft	Rs: 40,037.00 (Rs: four hund; fourty tow & seventy five only)
30	Distemping three coats	9043.00	@ Rs:1079/65	% Sft	Rs: 97,632.00 (Rs: one thous: seventy nine & sixty five only)
(B)	<u>Two coats</u>	2441.00	@ Rs:1043/90	% Sft	Rs: 25,481.00 (Rs: ten hund; forty three & ninty only)
31	Preparing surface and painting of doors and windows any type (including edges) (ii) Each subsequent coat of paint. (S.I.No.5 (c) P/69).	1933.00	@ Rs:2116/41	% Sft	Rs: 40,910.0 (Rs: two thous: one hund: sixteen & fourty one only)
32	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of pairs and then painting with weather coat of approved make. 2nd & subsequent coat. (S.I.No.38 (b) P/55).	3211.00	@ Rs: 1948/10	% Sft	Rs: 62,553.00 (Rs: one thous: nine hund: fourty eight & ten only)
G.Total:					Rs: 2,252,489.0


XEN

S.No:	Description	Qty:	Rate	Unit	Amount
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PART-B

- 1 P/f squatting type white glazed earthen ware W.C pan of with i/c the cost of flushing cistern with internal fitting and flush pipe with bend making good in cement concrete 1:2:4(i) W.C not less than 19" clear opening between flushing and 3 gallons flushing tank with 4" dia C.P trap and C.I thumble.

26.00

@ Rs: 4802/60 P.No:

Rs: 124,867.00

(Rs: four thous: eight hund; two & sxity only)

- 2 P/F & fixing 22" x 16" lavatory basin in white glazed earthen ware complete with and i/c the cost of W.I or C.I cantilever brackets 6 inches built into walls painted white in 2 coats after a primary cost of red lead paint & pair of 1/2" dia chrome brass waster of approved pattern 1-1/4" dia malleable iron of cp bars traps. Malleable iron or brass unions & making requisite number of holes in walls plinth and flc for piep connection and making good in c.c 1:2:4 (foreign equivalent). (S.I.No: 13 P. 3)

6.00

@ Rs: 4928/- P.Each

Rs: 29,568.00

(Rs: four thous: nine hund; twenty eight only)

- 3 Add: Extra for labour for providing and fixing of erthern wire pedestal white or coloured glazed

6.00

@ Rs: 2533/47 P.No:

Rs: 15,200.00

(Rs: four thous: five hund; thirty three & fourty seven only)

- 4 P/F in position nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to nyloon connections.

32.00

@ Rs: 447/15 P.No:

Rs: 14,308.00

(Rs: four hund; fourty seven & fifteen only)

- 5 P/F 15"x12" beveled edge mirror of belgium glass complete with 1/8" thick hard board and C.P screws fixed to wooden pleat (a) Standard pattern. (S.I.No.3 (a) P/7).

6.00

@ Rs:2376/- P.Each

Rs: 14,256.00

(Rs: two thous: three hund; seventy six only)

- 6 S/F conceled stop cock of superior quality with C.P head 1/2" dia.

32.00

@ Rs: 889/46 P.No

Rs: 28,462.00

(Rs: eight hund; eighty nine fourty six only)

- 7 S/F long bib-cock of superior quality with C.P head 1/2" dia

30.00

@ Rs: 1384/24 P.No

Rs: 41,527.00

(Rs: one thous: three hund: eighty four & twenty four only)

- 8 S/F Swan type piller cock of superior quality etc:

6.00

@ Rs: 877/80 P.Gallan

Rs: 5,266.00

(Rs: eight hund; seventy seven & eighty only)


XEN

S.No:	Description	Qty:	Rate	Unit	Amount
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- 9 providing chambers (15"X19"(inside dimension)24" deep for house meters with 6" thick C.C 1:3:6 block set-on 1:6 cement mortar 6" thick C.C.1:4:8 in foundation 1/2" thick cement plaster 1:3. to all inside wall surface and to top 1" thick C.C 1:2:4. flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement concrete 1:2:4. i/c curing excavation back filling & disposal of surplus earth etc. (S.I.No: 2 P/20).

10.00	@ Rs: 5913/22	Each	Rs: 59,132.00
(Rs: five thous: nine hund; thirteen & twenty two only)			

- 10 S/F fibre glass tank of approved quality and design and wall thickness as specified i/c the cost of nuts and bolts and fixing in plate iron of cement concrete 1:2:7 and making and connection for inlet- outlet and over flow pipe etc complete (350 gallons).

3.00	@ Rs: 30773/42	P.Gallon	Rs: 92,320.00
(Rs: thirty thous; seven hund; seventy four & forty two only)			

(B) 250 Gallons.

1.00	@ Rs: 21989/61	P.Gallon	Rs: 21,990.00
(Rs: Twenty One thous: nine hund: eighty nine & Sixty only)			

- 11 Providing and fixing handle valves (china). (S.I.No: 5 P/ 17).

(a) 1" dia

10.00	@ Rs: 365/42	Each	Rs: 3,654.00
(Rs: three hund: sixty five & forty two only)			

G.Total:	Rs: 450,550.0
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(B) N.S.I

- 1 P/F UPVC Pipe (AGM) SCH: 40 (E) on surface using Clips/ Saddle of approved quality and Material etc paid separately recessed in Masonry, C.C or R-C-C upto 60' height and making good with C.C I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C all cost of labour, material charges Scaffolding Ladders etc complete (N.S.I).

(a) 3/4" Dia

300.00	@ Rs: 78/01	P.No	Rs: 23,403.00
(Rs: sevnty eight & One only)			

(b) 1" Dia

120.00	@ Rs: 97/91	P.No	Rs: 11,749.00
(Rs: ninety seven & ninty one only)			

(c) 1-1/2" Dia

100.00	@ Rs: 125/04	P.No	Rs: 12,504.00
(Rs: one hund; twenty five & four only)			

(d) 4" Dia

470.00	@ Rs: 397/77	P.No	Rs: 186,952.00
(Rs: three hund: ninty seven & seventy seven only)			

(e) 6" Dia

300.00	@ Rs: 757/59	P.No	Rs: 227,277.00
(Rs: seven hund: fifty seven & fifty nine only)			


XEN

TALUKA BAKRANI PACKAGE (47)

REHABILITATION & EXPANSION OF HIGH
 PERIORITY 4560 SCHOOLS (PRIMARY /
 ELEMENTARY)(115-UNITS)(NON-ADP)
 (2017-18 PROGRAMME) AT: GBHS PATHAN
 (REHABILITATION) & GGHS KHAIR MUHAMMAD
 ARIJA (C/WALL & LAV:) & GBHS KHAIR
 MUHAMMAD ARIJA (ADD: 02 C/R)
 TALUKA BAKRANI DISTRICT LARKANO.

Name of Secheme:-

BILL OF QUANTITIES (B.O.Q) (CIVIL WORK & REPAIR) (PART-A)

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning & straightening the same. (S.I No. 20 P/10)		5445.00	% C.ft	-
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)		1285.63	% C.ft	-
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)		378.13	% C.ft	-
4	Dismantling cement concrete plain Ratio 1:2:4.	444.00	3327.50	% C.ft	14,774
5	Removing cement or lime plaster. (S.I No. 53 P/13)	2341.00	121.00	% C.ft	2,833
6	Dry bricks ramming (S.I No. 42 P/13).	277.00	3327.50	% C.ft	9,217
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)		142.18	P.No	-
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)		102.85	P.No	-
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	2108.00	3176.25	% OCft	6,696
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 . (S.I No. 4 P/14)	2287.00	\$694.95	% Cft	198,854
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 . (S.I No. 4 P/14)	20.00	8122.95	% Cft	1,625
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	4220.00	11948.36	% Cft	504,221
13	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (G.F)	1355.00	337.00	P.Cft.	456,635
14	RCC work in roof slab beam columns rafts lintel & other structure member laid in situ or pre cast laid in position complete in all respect ratio 1:2:4. (F.F)		349.10	P.Cft.	-
15	Fabrication of Tor- steel reinforcement for cement concrete i.e cutting, bending & laying in position i.e the cost of binding wire also removal of rust from bars.	80.598	5001.70	P.Cwt	403,127
16	Supply and filling sand under floor including plugging in to walls	5684.00	1141.25	% Cft	64,869
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	54.00	19.36	% S.ft	1,045
18	Extra Lead (03 Miles)	3787.00	579.41	% C.ft	21,942
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	2189.00	12674.36	% Cft	277,442

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-
21	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	335.00	10.70	P.Sft	3,585
22	Making of Notice board made with cement (S.I No. 1 P/95).		58.11	P.Sft	-
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	8668.00	2206.60	% S.ft	191,268
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)		2308.84	% S.ft	-
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	8668.00	2197.52	% S.ft	190,481
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)		2299.76	% S.ft	-
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)		3015.76	% S.ft	-
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)		660.00	% S.ft	-
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	53.00	14429.25	% C.ft	7,648
30	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Doors using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	92.00	228.90	P.Sft	21,059
31	P/F G.I frame ChowKats of size 7"x2" or 4 1/2" x3" for Windows using 20 gauge G.I sheet i/c Velded hinges & fixing at site necessary hold fasts filling with cement sand slury of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	228.00	240.50	P.Sft	54,834
32	1 st class deodar wood wrought joinery in doors & windows etc fixed i/c Chow Kats, hold rings, iron bolts & cleats with hooks etc deodar panels or paneled & glazed of fully glazed (a) 1-1/4" thick.	453.00	902.93	P.Sft	409,027
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.		1778.50	P.Sft	-
34	M.S Barred windows squars bars 5/8" dia.		3550.00	P.Sft	-
35	Cutting & Fixing iron bars for barred windows.		28.23	P.Sft	-
36	Supplying of T- Girders at Site of Work (Schedule of Material).		3850.00	P.Cwt	-
37	Supplying of T- Iron at Site of Work (Schedule of Material).		3575.00	P.Cwt	-
38	Errection REMOVAL OF R.cc work .		3127.41	P.Cwt	-
39	Lying Murmur floor in consisting of 1" Layer of fine powdery of flacky Murmur laid 6" good hard layer spread over 9" thick sub base comprising of hard packing rubble or broken bricks properly watered and rammed powdered over well rum (S.I No 1 P/39)		3918.20	% S.ft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% 0Cft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	Filling Watering and ramming earth Under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet (S.I. No. 22 P/4)		3630.00	% OCft	-
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).		226.02	P.Sft	-
44	Supply & Fixing in Position iron/steer grill of 3/4" X 1/4" Size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq. Foot of finished grill).(S.I No. 26 P/92)		180.50	P.Sft	-
45	Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" x 4" i/c frame of flat iron patti of 3/4" x 3/4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1st coat of red oxide paint etc. (S.I No. 30 P No. 93)	446.00	194.16	P.Sft	86,595
46	Providing and fixing iron steel grill door with angle iron frame of 1 1/2" x 1 1/2" x 1/4" and flat iron of 3/4" x 1/4" with approved design and locking arrangement embeded in Masonry as per instructions of Engineer in charg.(S.I No. 31 P No. 94)		231.60	P.Sft	-
47	First Class Tile Roofing consiisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiced layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).		11443.10	% S.ft	-
48	Providing and Laying 3" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).	2640.00	4411.82	% S.ft	116,472
49	Providing and Laying 1-1/2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 16 P/41) (G.F).		2548.50	% S.ft	-
50	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (G.F)	1470.00	3275.50	% S.ft	48,150
51	Providing and Laying 2" thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)		3275.50	% S.ft	-
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	170.00	1887.40	% S.ft	3,209
53	Khapriel of cement concret 12" x8" 1" of approved design /shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (S.I.No 39 P/37).		8977.90	% C.ft	-
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	3739.00	1287.44	% C.ft	48,137
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	1800.00	12346.65	% C.ft	222,240

S.No:	Description	Qty:	Rate	Unit	Amount
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(f) 8" Dia

200.00	@ Rs:986/42	P.No	Rs:	197,284.00
	(Rs: nine hund; eighty six & forty two. only)			

- 2 P/F Bend/ Elbow (90 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe/fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per class 12454-B In accordance Incharge. Specifications of the material should meet the requirements of material, cartage, scaffolding / ladders etc. complete. (N.S.I)

(a) 3/4" Dia

35.00	@ Rs: 103/05	P.No	Rs:	3,606.00
	(Rs: one hund; three & five only)			

(b) 1" Dia

12.00	@ Rs: 125/90	P.No	Rs:	1,510.00
	(Rs: one hund; twenty five & ninty only)			

(c) 4" Dia

38.00	@ Rs: 425/45	P.No	Rs:	16,167.00
	(Rs: four hund: twenty five & fourty five only)			

- 3 P/F TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D_ 1784 type 1 grade TEE 1. Rate includes all costs of labour, material cartage.

(a) 3/4" Dia

22.00	@ Rs: 110/40	P.No	Rs:	2,428.00
	(Rs: one hund; ten & fourteen only)			

(b) 1" Dia

11.00	@ Rs: 132/43	P.No	Rs:	1,456.00
	(Rs: one hund: thirty two & fourty three only)			

(c) 4" Dia

8.00	@ Rs:712/75	P.No	Rs:	5,702.00
	(Rs: seven hund: tweleve & seventy five only)			

- 4 P/F COUPLING / SCOKET of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (N.S.I)

(a) 3/4" Dia

27.00	@ Rs:98/15	P.No	Rs:	2,650.00
	(Rs: ninty eight & fifteen only)			

(b) 1" Dia

16.00	@ Rs:110/40	P.No	Rs:	1,766.00
	(Rs: one hund: ten & fourty only)			


XEN

S.No:	Description	Qty:	Rate	Unit	Amount
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(c) 4" Dia	10.00	@ Rs:343/83	P.No	Rs:	3,438.00
(Rs: three hund; forty three & eighty three only)					

- 5 P/F UNION of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (N.S.I).

(b) 1" Dia	8.00	@ Rs:381/37	P.No	Rs:	3,050.00
(Rs: three hund; eighty one & thirt seven only)					

- 6 P/F UPVC P-Trap W/Elbow (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (N.S.I).

4" Dia	8.00	@ Rs:818/04	P.No	Rs:	6,544.00
(Rs: eight hund: eighteen & four only)					

- 7 P/F UPVC WYE (Y) (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (N.S.I).

10.00	@ Rs:933/13	P.No	Rs:	9,331.00
(Rs: nine hund; thirty three & thirteen only)				

- 8 P/F UPVC PLUG ELBOW (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quilty and design of various sizes fixed to UPVC pipe / fittings paid separately,using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (N.S.I).

4" Dia	25.00	@ Rs:677/65	P.No	Rs:	16,941.00
(Rs: six hund; seventy seven & sixty five only)					


XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
56	Making & fixing steel gated doors with 1 1/6" thick sheeting i/c angle iron frame 2"x2"x3/4" and square bars 4" centre to cement.	48.00	726.72	P.Sft	34,883
57	P/L Glazed tile 6"x6" 1/4 on floor on wall facing required floor and pattern and stile specification joint in white cement and pigment over a base of 1:2 grey (S.I. 60 P/47)		30509.77	% S.ft	-
58	Providing & Lying Marble flooring super / China Verona / Teravera or equivalent having size 24" x 12" x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, set Cement Slurry. Laid over 3/4" thick Cement Mortar 1:2 & filling the joints with white cement and pigment i/c grinding, rubbing and Chemical polishing as directed by the Engineer Incharge (R.A).		307.00	P.Sft	-
59	P/F 3/8" thick marbal tile of approved quality & colour shade size 8"x4/6" in dedo stricking & facing Removal /tucking of existing plaster surace etc. over 1/2" thick base of cement mortar 1:3 setting mortar base i/c filling the joints & washing the tiles with white cement slurry, current finishing. cleaning & polishing etc complete (i) for new works. (G.F)		186.04	P.Sft	-
60	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	429.00	27747.06	% S.ft	119,035
61	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	176.00	28253.61	% S.ft	49,726
62	Providing & lying HALLA or pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required floor & pattern of STILE specification jointed in white cement		34520.31	% S.ft	-
63	Primary coat of chalk distemper (S.I No. 23 P/53)	16410.00	442.75	% S.ft	72,655
64	Distempring Three Coats (S.I No. 24 ©P/53)	18410.00	1079.65	% S.ft	198,764
65	Distempring Two Coats (S.I No. 24 ©P/53)	1230.00	1043.90	% S.ft	12,840
66	White wash three coats.	2864.00	829.95	% S.ft	23,770
67	Preparing surface & painting with weather coat i/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk / plaster then painting with weather coat of approved make (New Surface). (38 (a) P/55)	5387.00	1948.10	% S.ft	104,944
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	3390.00	2116.41	% S.ft	71,746
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface		1160.61	% S.ft	-
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
71	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:6		12595.00	% C.ft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
72	2nd Class Tile Roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over 2 layer of tile 12" x6" x1-1/4" laid in 1:6 cement mortar with 1/2" wiched layer of 1:6 cement mortar incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).		7670.25	% S.ft	-
73	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.		1270.83	% S.ft	-
Total Rs:-					4054345


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S.No:	Description	Qty:	Rate	Unit	Amount
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- 9 P/F UPVC PLUG TEE of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (N.S.I).

4" Dia

25.00 @ Rs:847/42 P.No Rs: 21,185.00
(Rs: eight hund; fourty seven & fourty two only)

- 10 P/F UPVC VENT COWEL (LOCAL) of SCH- 40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance with the ASTM-D-1784 type 1 grade 1. Rate includes all costs of labour, material cartage, scaffolding / ladders etc complete (N.S.I).

4" Dia

25.00 @ Rs:187/93 P.No Rs: 4,698.00
(Rs: one hund: eighty seven & ninty three only)

- 11 P/F Plastic Pipe of approved quality and Material etc paid separatly I/C cutting, finishing etc complete as per instruction of the Engineer Incharge. Specification of material Should meet the requirement rate, i/c all cost of labour, material charges etc complete. (R.A)

Nyloon Plastic pipe

440.00 @ Rs: 77/- P.Rft Rs: 33,880.00
(Rs: seventy seven only)

- 12 Providing & Fixing Hand pump Machine (R.A)

Machine

3.00 @ Rs: 4500/- Each Rs: 13,500.00
(Rs: four thous: five hund: only)

- 13 Providing & Fixing approved quality A.C motor Mono block set made 1-1/4" x 1" suction and delivery, 1 H.Power single phase motor (Diamond / Siemens make or equal) i/c the cost of C.I fitting nuts, bolts etc complete. (R.A).

4.00 @ Rs:14201/- P.No: Rs: 56,804.00
(Rs: fourteen thous: two hund: one only)

G.Total: Rs: 863,825.0


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