

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

No. XEN(EWD)/TC/G-55/515

Larkano, Dated

20/02/2018

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).



EXECUTIVE ENGINEER

SPPRA INWARD DIARY
NO : 6151
DATED : 22-02-2018

**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-55/515

Larkano, Dated

20/02/2018

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				
Package-1	GBPS Ali Goharabad (Rehab:), GBPS Rehmatpur (Rehab:), 2 addl-C.R), GBPS Khair Shah Bukhari (Rehab:), GBPS Shah Muhammad Sindhi (Rehab:), GBPS Lahori (Rehab:), C.Wall)	31.400	1570,000	3000	04 Months
Package-2	GGPS P.V. Primary (Rehab:), GBPS Railway (Rehab:), Lav:), GBPS Chandka (Rehab:), GBPS Behram Khan Luhur (Rehab, 2-addl C.R, C.Wall), GBPS Rohal Khan Bugti (Rehab:), GBPS Dhamrah-II (Rehab, Lav:), GBPS Vikya Sangi (Rehab:), C.Wall, Lav:), GBPS Dhoon (Rehab:), C.Wall, Lav:), GBPS Maree Baloach (C.Wall, Lav:), GBPS Ratokot (Rehab:), 5-addl C.R, Lav:)	34.040	1702,000	3000	04 Months
Package-3	GGPS Shaikh Zaid-II (Rehab:), 3-addl C.R), GGPS Shaheed Abdul Qadir Laghari (Rehab:), GBPS Mitodero (Rehab:), 3-addl C.R), GBPS Akil (Rehab:), 3-addl C.R, Lav:), GBPS Panjal Bhutto (3-addl C.R), GBPS Channa (C.Wall, Lav:), GBPS Shahoo Boraho (Rehab:), GBPS Sache Bux Jagirani (Rehab:), GGPS Kehar (Rehab:), GBLSS Sher Muhammad Jamali (Rehab:), C.Wall), GBPS Jurio Chandio (Rehab:), 2-addl C.R, C.Wall), GBPS Wapda Colony-II (Rehab:), GBPS Gul Muhammad Khoso (Rehab:)	35.715	1785,750	3000	04 Months
	Taluka Ratodero				
Package-4	GBPS Ratodero-II (Rehab, 6-addl C.R), GGPS Madersatul Ghurba-II (3-addl: C.R), GBPS Mubarak Shah (Rehab:), GBPS Wandh Bhutta (Rehab:), GBPS Fatehpur (Rehab:), 2-addl C.R), GGBPS Waris Dino Machi (Rehab:), 3-addl C.R, C.Wall)	28.177	1408,500	3000	04 Months
Package-5	GBPS Naudero-1 (Rehab:), Lav:), GBPS Naudero-II (Rehab:), GBPS Over Crowd Naudero (Rehab:), 3-addl C.R), GBPS Khuda Bux Phulpoto (Rehab:), GBPS Naudero-3 (Rehab:), 3 addl C.R), GBPS Moria Faqeer (Rehab:), 2-addl C.R)	27.350	1367,500	3000	04 Months
Package-6	GBPS Chajra (Rehab:), 2-addl C.R), GBPS Banguldero (Main) (Rehab:), GBPS Banguldero (Rehab:), GBPS Bhai Khan Ghanrho (1 C.R, C.Wall), GBPS Agham-1 (Rehab:), GBPS Walidad Gabar (Rehab), GBPS Khan Wah (Rehab:), 1-addl C.R), GBPS Sohrab Machi (Rehab:), C.Wall)	26.093	1304,650	3000	04 Months
	Taluka Bakrani				
Package-7	GBPS Hyder Brohi (4-addl C.R), GBPS Haji Altaf Hussain Unar (3-addl C.R, Lav:), GBPS Ganja Tunia (Rehab:), 1-addl C.R), GBPS Mahi Bhutto (Rehab:), C.Wall, Lav:), GBPS Ramzan Shaikh (Rehab:), 2-addl C.R, C.Wall, Lav:), GBPS Ali Jatoti (Rehab:), 4-addl C.R, C.Wall & Lav)	24.000	1200,000	3000	04 Months

Package-8	GBPS Bakrani Station (Rehab:, C.Wall, Lav), GBPS Mehrabpur (1-addl C.R, C.Wall), GBPS Gereho-II (Rehab:, 1-addl C.R, Lav:), GBPS Muhammad Khan Mashori (Rehab:), GBPS Abdul Samad Tunio (3-addl C.R, Rehab:), GBPS Kuli (Rehab:, Lav:), GGBPS Ghulam Ali Zuhriani (Rehab:, 6-addl C.R, Lav:), GBPS Garhi Takht Ram (Rehab:, Lav:), GBPS Mahar Wada (Rehab:, 2-addl C.R)	28.090	1404,500	3000	04 Months
	Taluka Dokri				
Package-9	GBPS Dokri (Main) (Rehab:), GGPS Dokri (Main) (Rehab:), GBPS Almani (1-addl C.R), GBPS Wakro (Rehab:), GBLSS Hatri Ghulam Shah (Rehab:, C.Wall, Toilet), GBPS Mandhra (Rehab:, 2-addl C.R), GBPS Muhammad Ismail Chandio (2-addl C.R, Lav:), GGPS Haji Lal Bux Shaikh (Rehab:, 3-addl C.R), GBPS Usman Kalhoro (4-addl C.R), GBLSS Sono Jatoli (Rehab:, C.Wall, Lav:)	31.490	1574,500	3000	04 Months
2)	Rehabilitation & Expansion of High Priority 4560-Schools (Secondary) District Larkano (16-Units) (NON-ADP).				
Package-10	GGHS Model School (EM) Tal: Larkano (Rehab:), GGHS Mahota Tal: Larkano (Rehab:), GBHS Arijia Phero (Rehab:, C.Wall), GBHS Lashari Tal: R'Dero (Rehab:, 4-addl C.R), GBHS Phulpota-1 (Rehab:, C.Wall), GBHS Masoodero (Rehab:, 1-addl C.R), GGHS Panjoodero (Rehab:), GBHS Pathan (Rehab:), GGHS Khair Muhammad Arijia (C.Wall, Lav:), GBHS Khair Muhammad Arijia (2-addl C.R), Tal: Bakrani	35.960	1798,000	3000	04 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 Rs. 20.000 million transaction in each year.
5. Bidder should have successfully completed at least two contracts of equivalent value and of same nature of civil work during last two years specially related to structural works. 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 **12-03-2018**
 - ii. **Submission:** Last date will be **13-03-2018 up to 1:00 pm.**
 - iii. **Opening:** will be opened on **13-03-2018 at 2:00 pm.**
 - iv. **Un-responded tenders** will be again issued / submitted/opened on following dates.
2nd Attempt: Issue date from: **14-03-2018 to 28-03-2018**
 Submission date: **29-03-2018** at 1:00 p.m
 Opening date: **29-03-2018** 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:

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


EXECUTIVE ENGINEER

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:-

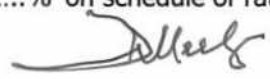
m) Liquidity damages:-
(0.05 of Estimated Cost or Bid Cost per day of delay, but total not exceeding 10%)

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

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	-

	(Rehab:)									
18	GGPS Madersatul Ghurba-II (3-addl: C.R), GBPS Mubarak Shah (Rehab:), GBPS Wandh Bhutta (Rehab:)	6.500	6.500			National opening competitive bidding	-	-	Yes	-
19	GBPS Fatehpur (Rehab:, 2-addl C.R), GBPS Chajra (Rehab:, 2-addl C.R).	8.200	8.200			National opening competitive bidding	-	-	Yes	-
20	GBPS Banguldero (Main) (Rehab:) , GBPS Banguldero (Rehab:)	8.760	8.760			National opening competitive bidding	-	-	Yes	-
21	GGBPS Waris Dino Machi (Rehab:, 3-addl C.R, C.Wall), GBPS Bhai Khan Ghanrho (1 C.R, C.Wall).	7.400	7.400							
22	GBPS Over Crowd Naudero (Rehab:, 3-addl C.R), GBPS Khuda Bux Phulpoto (Rehab:)	5.170	5.170			National opening competitive bidding	-	-	Yes	-
23	GBPS Moria Faqeer (Rehab:, 2-addl C.R)	4.800	4.800							
24	GBPS Agham-1 (Rehab:), GBPS Walidad Gabar (Rehab)	4.800	4.800			National opening competitive bidding	-	-	Yes	-
25	GBPS Khan Wah (Rehab:, 1-addl C.R), GBPS Sohrab Machi (Rehab:, C.Wall)	6.700	6.700			National opening competitive bidding	-	-	Yes	-
26	GBPS Naudero-3 (Rehab:, 3 addl C.R)	7.200	7.200			National opening competitive bidding	-	-	Yes	-
	Taluka Bakrani									
27	GBPS Hyder Brohi (4-addl C.R)	4.600	4.600			National opening competitive bidding	-	-	Yes	-
28	GBPS Haji Altaf Hussain Unar (3-addl C.R, Lav:), GBPS Ganja Tunia (Rehab:, 1-addl C.R)	5.900	5.900			National opening competitive bidding	-	-	Yes	-
29	GBPS Bakrani Station (Rehab:, C.Wall, Lav), GBPS Mehrabpur (1-addl C.R, C.Wall)	4.400	4.400							
30	GBPS Gerelo-II (Rehab:, 1-addl C.R, Lav:), GBPS Muhammad Khan Mashori (Rehab:)	5.000	5.000							
31	GBPS Abdul Samad Tunio (3-addl C.R, Rehab:), GBPS Kuli (Rehab:, Lav:)	6.100	6.100			National opening competitive bidding	-	-	Yes	-
32	GGBPS Ghulam Ali Zuhriani (Rehab:, 6-addl C.R, Lav:)	8.000	8.000			National opening competitive bidding	-	-	Yes	
33	GBPS Mahi Bhutto (Rehab:, C.Wall, Lav:), GBPS Ramzan Shaikh (Rehab:, 2-addl C.R, C.Wall, Lav:)	8.200	8.200			National opening competitive bidding	-	-	Yes	-
34	GBPS Ali Jatoi (Rehab:, 4-addl C.R, C.Wall & Lav)	6.200	6.200			National opening competitive bidding	-	-	Yes	-
35	GBPS Garhi Takht Ram (Rehab:, Lav:), GBPS Mahar Wada (Rehab:, 2-addl C.R)	5.550	5.550			National opening competitive bidding	-	-	Yes	-
	Taluka Dokri					National opening competitive bidding	-	-	Yes	-
36	GBPS Dokri (Main) (Rehab:), GGPS Dokri (Main) (Rehab:), GBPS Almani (1-addl C.R)	7.800	7.800			National opening competitive bidding	-	-	Yes	-
37	GBPS Wakro (Rehab:), GBLSS Hatri Ghulam Shah (Rehab:, C.Wall, Toilet)	4.500	4.500			National opening competitive bidding	-	-	Yes	-
38	GBPS Mandhra (Rehab:, 2-addl C.R), GBPS Muhammad Ismail Chandio (2-addl C.R, Lav:)	7.050	7.050			National opening competitive bidding	-	-	Yes	-

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	-


 EXECUTIVE ENGINEER
 EDUCATION WORKS DIVISION
 LARKANO



NOTIFICATION

PROV. DUTY A/PRO-EW/14-15: In pursuance of Rule - 7 of the Sindh Public Procurement Rules, 2010, the Departmental 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 / SNI of Government of Sindh.

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

ToRs

- 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 PECHUHO -
SECRETARY TO GOVT. OF SINDH

NO SO(G) EDUER/A/PRO-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)

28/04/15



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

NOTIFICATION

NO. SO(G) EDU/E&A/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 |
| 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/E&A/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



SINDH EDUCATION &
LITERACY DEPARTMENT



DEPUTY SECRETARY (GA)


SPPRA BIDDING DOCUMENT

STANDARD FORM OF BIDDING DOCUMENT

FOR

PROCUREMENT OF WORKS

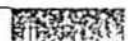
(For Contracts (Small) amounting between Rs.2.5 million to Rs.50 million)


Executive Engineer
Education Works Division
LARKANO

INSTRUCTIONS TO PROCURING AGENCIES

Contractors


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

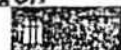
In addition, Instructions to procuring agencies are also provided at various locations of this document within parenthesis or as a Note(s). Procuring agencies are expected to edit or finalise this document accordingly, by filling in all the relevant blank spaces and forms as per the scope of the work,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

(Contractor)


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 IB.5, IB.6, IB.16, etc. In

Contractor

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

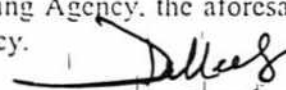
The procuring agency while preparing Contract Data, shall ensure that no Clause of Conditions of Contract is deleted and that the changes included in Contract Data shall be such as not to change the spirit of the document. Any adjustment or change in clauses of Conditions of Contract to meet specific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


Executive Engineer
Education Works Division
LARIKANG



SUMMARY OF CONTENTS

<u>Subject</u>	<u>Page No</u>
(I) INVITATION FOR BIDS.....	02
(II) INSTRUCTIONS TO BIDDERS & BIDDING DATA.....	04
(III) FORM OF BID & SCHEDULES TO BID.....	19
(IV) CONDITIONS OF CONTRACT & CONTRACT DATA.....	33
(V) STANDARD FORMS.....	54
(VI) SPECIFICATIONS.....	57
(VII) DRAWINGS.....	68

Contractor


Executive Engineer
Education Works Division



INVITATION FOR BIDS

0000000000


Executive Engineer
Education Works Division
LARKANA


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.]


Executive Engineer,
Education Works Division
LARKANA



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*.




Executive Engineer
Education Works Division
LARKANQ

TABLE OF CONTENTS

INSTRUCTIONS TO BIDDERS

Clause No.	Description	Page No.
A. GENERAL		
IB.1	Scope of Bid & Source of Funds.....	6
IB.2	Eligible Bidders.....	6
IB.3	Cost of Bidding.....	7
B. BIDDING DOCUMENTS		
IB.4	Contents of Bidding Documents.....	7
IB.5	Clarification of Bidding Documents.....	7
IB.6	Amendment of Bidding Documents.....	8
C- PREPARATION OF BID		
IB.7	Language of Bid.....	8
IB.8	Documents Comprising the Bid.....	8
IB.9	Sufficiency of Bid.....	8
IB.10	Bid Prices, Currency of Bid, & Payment.....	9
IB.11	Documents Establishing Bidder's Eligibility and Qualifications...	9
IB.12	Documents Establishing Works Conformity to Bidding Documents.....	9
IB.13	Bidding Security.....	10
IB.14	Validity of Bids, Format, Signing and Submission of Bid.....	10
D-SUBMISSION OF BID		
IB.15	Deadline for Submission, Modification & Withdrawal of Bids....	11
E. BID OPENING AND EVALUATION		
IB.16	Bid Opening, Clarification and Evaluation.....	12
IB.17	Process to be Confidential.....	13
F. AWARD OF CONTRACT		
IB.18	Qualification.....	13
IB.19	Award Criteria & Procuring Agency's Right.....	14
IB.20	Notification of Award & Signing of Contract Agreement.....	14
IB.21	Performance Security.....	14
IB.22	Integrity Pact.....	15

Contractor


Executive Engineer
Education Works Division
LARKANA

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:

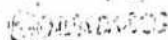
- a) duly licensed by the Pakistan Engineering Council (PEC) in the appropriate category for value of works.

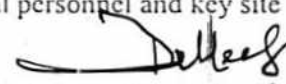
Provided that the works costing Rs. 2.5 million or less shall not require any registration with PEC.

- 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;




Executive Engineer
Education Works Division
LARKANA

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

IB.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

IB.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 IB.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

IB.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

Contractor:

Executive Engineer

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

Education Works Division

LARKANA

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.

Contractor

[Signature]
Executive Engineer

- 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.

Contractor

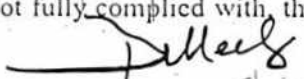

Executive Engineer
Education Works Division
LARKANA

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.


Executive Engineer
Education Works Division

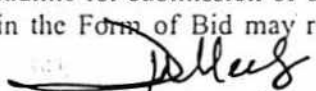
- 14.5 Each bidder shall prepare Original and number of copies specified in the Bidding Data of the documents comprising the bid as described in IB.8 and clearly mark them "ORIGINAL" and "COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.
- 14.6 The original and 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).

Contractor


Executive Engineer
Education Works Division

LARKANA

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,

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.

[Signature]
Executive Engineer
Education Works Division
LARKANA

- (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.

Contractor


Executive Engineer
Education Works Division
LARKANQ



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.

[Signature]
Executive Engineer

Education Works Division


LARKANAO

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).

Contractor


Executive Engineer
Education Works Division
LARKANA

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).

Contractor


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. Mees
Executive Engineer,
Education Works Division
LARKANA

- *(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.

Contractor


Executive Engineer
Education Works Division
LARKANQ

FORM OF BID AND SCHEDULES TO BID

Contract



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

~~Contractor~~

Executive Engineer
Education Works Division
LARKANA

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

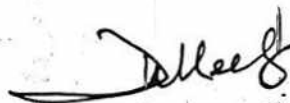
Witness:

(Signature) _____

Name: _____

Address: _____


Contractor


Executive Engineer
Education Works Division
LARKANA

[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]

Contractor


Executive Engineer
Education Works Division
LARKANA

SCHEDULE – A TO BID

SCHEDULE OF PRICES

Sr. No.

Page No.

1. Preamble to Schedule of Prices..... 24

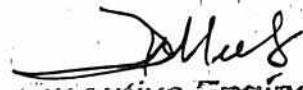
2. Schedule of Prices..... 26

*(a) Summary of Bid Prices

*(b) Detailed Schedule of Prices /Bill of Quantities (BOQ)

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

Contractor


Executive Engineer
Education Works Division
LARKANAO

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

Contractor

Executive Engineer,
Education Works Division

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

Dolles
Executive Engineer
Education Works Division

LARKANQ

SCHEDULE - A TO BID

SCHEDULE OF PRICES – SUMMARY OF BID PRICES (Sample)

Bill No.	Description	Total Amount (Rs)
	(A) Building Work	
1.	Civil works	
2	Internal sanitary and water supply	
3	Electrification	
4	External Development works	
5	Miscellaneous Items	
	G. Total:	
Total Bid Price (The amount to be entered in Paragraph 1 of the Form of Bid) (In words).		

Contract 33

**Executive Engineer,
Education Works Division**

LARKANOL

SCHEDULE - A TO BID

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) Add/ Deduct the percentage quoted above/below on the prices of items based on Composite Schedule of Rates.</p>				

Schedule B attached
separately

Delluf
Executive Engineer
Education Works Division
LARKANA


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).*

Contractor


Executive Engineer
Education Works Division
LARKANA

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

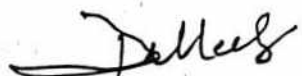
Name and address of
Sub-Contractors

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.

Contractor

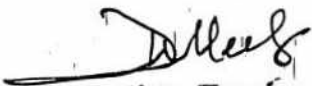

Executive Engineer
Education Works Division
LARKANA

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.

Contractor


Executive Engineer
Education Works Division
LARKANQ


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:


Executive Engineer
Education Works Division
LARKANQ.

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]

.....
[Contractor]


Executive Engineer
Education Works Division

LARKANA

CONDITIONS OF CONTRACT

Contractor




Executive Engineer
Education Works Division
LARKANA

TABLE OF CONTENTS

CONDITIONS OF CONTRACT

<i>Clause No</i>	<i>Description</i>	<i>Page No</i>
1.	General Provisions.....	35
2.	The Procuring Agency.....	37
3.	Engineer's/Procuring Agency's Representatives.....	37
4.	The Contractor.....	38
5.	Design by Contractor.....	38
6.	Procuring Agency's Risks.....	39
7.	Time for Completion.....	40
8.	Taking Over.....	41
9.	Remedying Defects.....	41
10.	Variations and Claims.....	41
11.	Contract Price And Payment.....	43
12.	Default.....	44
13.	Risks and Responsibilities.....	46
14.	Insurance.....	46
15.	Resolution of Disputes.....	47
16.	Integrity Pact.....	48

Contractor


Executive Engineer
Education Works Division
LARKANA

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

Contractor

Delia
Executive Engineer
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.

Contractor


Executive Engineer
Education Works Division

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

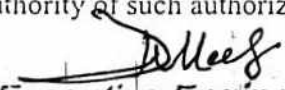
No approval or consent or absence of comment by the Engineer/Procuring Agency shall affect the Contractor's obligations.

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.

Contractor


Executive Engineer
Education Works Division

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

Contractor

[Signature]
Executive Engineer

Education Works Division

LARKANAH

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.

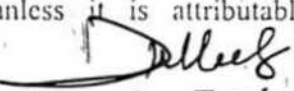
6. PROCURING AGENCY'S RISKS

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

Contractor


Executive Engineer
Education Works Division

- 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.

Contractor:


Executive Engineer
Education Works Division

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


Executive Engineer
Education Works Division
LARKANA

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

Contractor:

[Signature]
Executive Engineer
Education Works Division

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.

Contractor

[Signature]
Executive Engineer
Education Works Division

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.

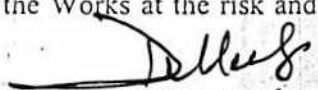
12. DEFAULT

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.

~~Contractor~~


Executive Engineer
Education Works Division

LARKANA

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

Contractor

[Signature]
Executive Engineer
Education Works Division

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

Contractor

[Signature]
Executive Engineer
Education Works Division

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.

Contractor


Executive Engineer
Education Works Division
LARKANA

16

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.

Contractor


Executive Engineer
Education Works Division
LARKANO



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)

Contractor


Executive Engineer
Education Works Division
LARKANA

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:

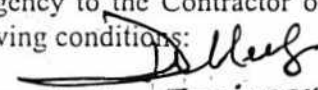
Day work rates _____
_____ (details)

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:

Contractor


Executive Engineer
Education Works Division

LARKANA

- (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 1/5th 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;

Contractor


Executive Engineer
Education Works Division
LARKANA

- (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)

Contractor

Executive Engineer
Education Works Division

LARKANA

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)

Contractor


Executive Engineer
Education Works Division
LARKANA

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).

Contractor


Executive Engineer
Education Works Division
LARKANA

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 _____

2. Name _____

3. Title _____

1. _____

Corporate Secretary (Seal)

2. _____

(Name, Title & Address)

Corporate Guarantor, (Seal)

Daleef
Executive Engineer
Education Works Division
LARKANA

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

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

Executive Engineer
Education Works Division

LARKANA

Contractor

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)

Contractor


Executive Engineer
Education Works Division
LARKANA

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

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:

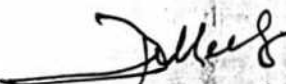
Witness:

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


Executive Engineer
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).)

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**

- (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

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.

[Signature]
Executive Engineer

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

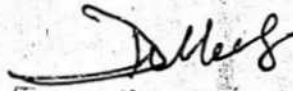
1st witness 2nd witness

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)**Package. 1**

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY /ELEMENTARY)
DISTRICT LARKANO (115-UNITS) (NON-ADP) AT: GBPS ALI GOHABAD (REHAB:) GBPS REHMATPUR
(REHAB: / ADD: 2-C/R) GBPS KHAIR SHAH BUKHARI (REHAB:). GBPS SHAH MUHAMMAD SINDHI
(REHAB:) GBPS LAHORI (REHAB: / C/WALL) 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	Remoning cement or lime plaster. (S.i.No.53 P/13). Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	14001.0 3333.0	121.00 3327.50	% Sft % Cft	16,941 110,906
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).	311.0	8694.95	%Cft	27,041
5	Racking and washing joints of brick masonry (old work). (S.I.No: 21 P/54).	4477.0	151.25	%Sft	6,771
6	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
7	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (S.I.No.20 P/11)	5788.0	5445.00	% Cft	315,157
8	Removing door with chowkats. (S.I.No.33 (a) P/12).	20.0	142.18	P.Sft	2,844
9	Remong windows and sky light with chowkats. (S.I.No.33 (b) P/12).	55.0	102.85	P.Sft	5,657
10	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	17951.0	1285.63	% Cft	230,783
11	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	4792.0	11948.36	%Cft	572,565
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).	8946.0	337.00	P.Cft	3,014,802
(B)	First Floor	800.0	349.10	P.Cft	279,280
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 from bars. (S.I.No.8 (b) P/16)	464.00	5001.70	P.Cwt	2,320,789
(B)	First Floor	43.00	5152.95	P.Cwt	221,577
14	Suppling of Girders at site of Works	13.00	3850.00	P.Cwt	50,050
15	Supplying of T-Iron at the site of work	13.00	3575.00	P.Cwt	46,475
16	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



S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
17	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 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
18	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
19	Cement Pointing 1:2 flash on floor. (S.I.No: 18 P/52).	3199.0	939.57	% Sft	30,057
20	Reinforced cement concerte spout i/c fixing in position with top and bottom khuras (S.I.No:68 P105)	8.0	607.17	Each	4,857
21	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	288.0	1778.50	P.Sft	512,208
22	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).	192.0	726.72	P.Sft	139,530
23	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).	5589.0	<u>3918.20</u> 1422.58	% Sft	79,508
24	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
25	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
26	Supplying and filling sand under floor and plugging in walls.(S.I.No: 29 P/25).	33671.0	1141.25	%Cft	384,270
27	Extra Lead (1.0 Mile)	33671.0	407.00	%Cft	137,041
28	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	5042.0	3327.50	% Cft	167,773
29	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	20836.0	12674.36	%Cft	2,640,830
(B)	First Floor	1497.0	13112.99	%Cft	196,301



S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
30	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).	405.0	228.90	P.Sft	92,705
31	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).	1648.0	240.50	P.Sft	396,344
32	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	13.00	3550.00	P.Cwt	46,150
33	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	256.0	28.23	P.No	7,227
34	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53).	14001.0	660.00	%Sft	92,407
35	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 (S.I.No: 7 (b) P. 65).	132.0	1273.76	P.Sft	168,136
(B)	(Only Shutters).	1634.0	902.93	P.Sft	1,475,388
36	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	51271.0	2206.60	%Sft	1,131,346
(B)	First Floor	3147.0	2346.60	%Sft	73,848
37	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	51271.0	2197.52	%Sft	1,126,690
(B)	First Floor	3147.0	2337.52	%Sft	73,562
38	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).	3018.0	14429.25	% Cft	435,475
39	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	7412.0	1287.44	% Cft	95,425
40	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
41	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)	18925.0	307.00	P. Sft	5,809,975



XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
42	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).	2024.0	186.04	%Sft	376,545
43	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).	9626.0	4411.82	%Sft	424,682
(B)	2" Thick	3722.0	3275.50	%Sft	121,914
(C)	1-1/2" Thick	12448.0	2548.29	%Sft	317,211
	FIRST FLOOR (2" Thick).	3525.0	3502.38	%Sft	123,459
(B)	1-1/2" Thick (2ND FLOOR)	5067.0	2775.17	%Sft	140,618
44	Notice board made with cement. (S.I.No: 1 P/94).	968.0	58.11	P.Sft	56,250
45	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).	1018.0	180.50	P.Sft	183,749
46	White washing three coats. (S.I.No.26 (c) P/53).	14849.0	829.95	% Sft	123,239
(B)	White washing two coats.	4619.0	425.84	% Sft	19,670
47	Primary coat of chalk distempering. (S.I.No.23 P/57).	54388.0	442.75	% Sft	240,803
48	Distempering three coats. (S.I.No.24 (c) P/53).	76739.0	1079.65	% Sft	828,513
(B)	Distempering two coats.	4368.0	1043.90	% Sft	45,598
49	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).	24882.0	1948.10	% Sft	484,726
(B)	Old Surface	7984.0	1498.48	% Sft	119,639
50	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).	8656.0	2116.41	% Sft	183,196
51	Two Coats of bituman laid hot using 34 Lbs for % Sft. Over roof and blinded with sand at one Cft. Per % Sft. (S.I.No: 13 P/34).	14524.0	1887.40	% Sft	274,126
52	Painting guard bars , gates iron bars gratings railings i/c standard bars etc: similar open works.	1800.0	1270.83	% Sft	22,875
				G.Total;	28,384,383



(B.O.Q) (CIVIL WORK)**Package. 2**

REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY / ELEMENTARY) DISTRICT LARKAN (115-UNITS) (NON-ADP) AT GGPS P.V PRIMARY (REHAB:) GBPS RAILWAY (REHAB: / LAV:) GBPS CHANDKA (REHAB:) GBPS BEHRAM KHAN LUHUR (REHAB: /ADD: 2-C/R / C/WALL) GBPS ROHAL KHAN BUGTI (REHAB:) GBPS DHAMR (REHAB: / LAV:) GBPS VIKYA SANGI (REHAB: / C/WALL/ LAV:) GBPS DHOON (REHAB: / C/WALL / LAV:) GBPS MAREE BALOACH (C/WALL / LAV:) GBPS RATOKOT (REHAB: / ADD: 5-C/R / LAV:) TALUKA LARKANO

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).	954.0	817.10	% Sft	7,795
2	Dismantling 2nd Class tile roofing (S.I. No. 22 (b) P/11)	3158.00	378.13	% S.ft	11,941
3	Dismantling brick work in lime or cement mortor. (S.I.No.13 P/10).	8833.0	1285.63	% Cft	113,560
4	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	3630.0	3327.50	% Cft	120,788
5	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (S.I.No.20 P/11)	1741.0	5445.00	% Cft	94,797
6	Removing door with chowkats. (S.I.No.33 (a) P/12).	4.0	142.18	P.Sft	569
7	Remong windows and sky light with chowkats. (S.I.No.33 (b) P/12).	12.0	102.85	P.Sft	1,234
8	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	2,533
9	Dismantling rolled steel beams, iron rails etc. (S.I.No.42 P/13).	6.00	126.04	P.Cwt	756
10	Remoning cement or lime plaster. (S.i.No.53 P/13).	9585.0	121.00	% Sft	11,598
11	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	9585.0	660.00	% Sft	63,261
12	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).	9998.0	3176.25	%0. Cft	31,756
13	Cement concerte brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	5756.0	8694.95	%Cft	500,481
(B)	Ratio 1:6:12	1720.0	8122.95	%Cft	139,715
(C)	Ratio 1:4:8	493.0	9416.28	%Cft	46,422
14	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	11244.0	11948.36	%Cft	1,343,474
15	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).	8729.0	337.00	P.Cft	2,941,673

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
(B) FIRST FLOOR		1040.0	349.10	P.Cft	363,064
16	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	481.516	5001.70	P.Cwt	2,408,399
(B) FIRST FLOOR		56.0	5152.95	P.Cft	288,565
17	Supplying and filling sand under floor and plugging in walls. (S.I.No: 29 P/25).	30598.0	1141.25	%Cft	349,200
18	Extra Lead (1.0 Mile)	26413.0	407.00	%Cft	107,501
19	Extra Lead (3.0 Miles)	185.0	579.41	%Cft	1,072
20	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).	4107.0	10.70	P.Sft	43,945
21	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	12921.0	12674.36	%Cft	1,637,654
(B) FIRST FLOOR		830.0	13112.99	%Cft	108,838
22	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).	4384.0	12346.65	%Cft	541,277
23	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
24	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).	545.0	228.90	P.Rft	124,751
25	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).	1580.0	240.50	P.Rft	379,990
26	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	15.28	3550.00	P.Cwt	54,226
27	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	284.0	28.23	P.No	8,017
28	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	46679.0	2206.60	%Sft	1,030,019
(B) FIRST FLOOR		3477.0	2346.60	%Sft	81,591
29	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	46615.0	2197.52	%Sft	1,024,374
(B) FIRST FLOOR		3477.0	2337.52	%Sft	81,276

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
30	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	15006.0	1287.44	% Sft	193,193
31	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).	10536.0	1887.40	% Sft	198,856
32	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).	1395.0	902.93	P.Sft	1,259,587
33	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)	543.0	19.36	P. Rft	10,512
34	Notice board made with cement. (S.I.No: 1 P/94).	640.0	58.11	P.Sft	37,190
35	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
36	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 blinded. (S.I.No: 5 P/33).	3673.0	5310.35	% Sft	195,049
37	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).	297.0	27747.06	% Sft	82,409
38	Providing and laying 1" thick topping cement concreat (1:2:4) including surface finishing and dividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	13627.0	4411.82	%Sft	601,199
(B)	2" Thick	12866.0	3275.50	%Sft	421,426
39	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).	3363.0	14429.25	% Cft	485,256
40	Suppling of T.Girders at site of Works	8.00	3850.00	P.Cwt	30,800
41	Supplying of T-Iron at the site of work	9.00	3575.00	P.Cwt	32,175
42	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.Cwt	3,168

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
43	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 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).	496.0	<u>11443.10</u> 9555.70	% Sft	47,396
44	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)	13391.0	307.00	P. Sft	4,111,037
45	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).	1667.0	186.04	P.Sft	310,129
46	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).	1417.0	180.50	P.Sft	255,769
47	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).	18652.0	<u>3918.20</u> 1422.58	% Sft	265,340
48	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).	11592.0	199.77	P.Sft	2,315,734



XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
49	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).	7060.0	223.97	P.Sft	1,581,228
50	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
51	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
52	Cement Pointing 1:2 flash on floor. (S.I.No: 18 P/52).	940.0	939.57	% Cft	8,832
53	Earth filling over roof including watering ramming with 1" mud plaster finished with gobri leeping. (b 4" thick earth filling and 1" mud plaster. (S.I.No: 11 (b) P/34).	940.0	807.29	% Sft	7,589
54	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).	791.0	27678.86	% Sft	218,940
55	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	1495.0	28253.61	% Sft	422,391
56	White washing three coats. (S.I.No.26 (c) P/53).	12520.0	829.95	% Sft	103,910
(B)	White washing two coats.	876.0	425.84	% Sft	3,730
57	Primary coat of chalk distempering. (S.I.No.23 P/57).	53068.0	442.75	% Sft	234,959
58	Distempering three coats. (S.I.No.24 (c) P/53).	62051.0	1079.65	% Sft	669,934
(B)	Distempering two coats.	21301.0	1043.90	% Sft	222,361
59	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).	34903.0	1948.10	% Sft	679,945
(B)	Old Surface	2786.0	1498.48	% Sft	41,748
60	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).	7629.0	2116.41	% Sft	161,461
(B)	Old Surface	639.0	1160.06	% Sft	7,413
61	Painting guard bars , gates iron bars gratings railings i/c standard barsees etc: smiler open works.	568.0	1270.83	% Sft	7,218
(B)	Old Surface		674.60	% Sft	-
				G.Total;	29,448,128

(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.	14.0	4802.60	P.Each	67,236
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.	16.0	447.15	P.No	7,154
5	S/F concealed stop cock of superior quality with C.P head 1/2" dia.	16.0	889.46	P.No	14,231
6	S/F long bib-cock of superior quality with C.P head 1/2" dia	16.0	1384.24	P.No	22,148
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 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.	7.0	5913.22	Each	41,393
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
10	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 .	750.0	87.95	P.G	65,963
				Total:	265,577


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>	120.0	66.81	P.No	8,017
	<u>(b) 3/4" Dia</u>	650.0	78.01	P.No	50,707
	<u>(C) 1" Dia</u>	50.0	97.91	P.No	4,896
	<u>(d) 4" Dia</u>	235.0	397.77	P.No	93,476
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>	30.0	101.39	P.No	3,042
	<u>(b) 3/4" Dia</u>	60.0	103.05	P.No	6,183
	<u>(C) 1" Dia</u>	36.0	125.90	P.No	4,532
	<u>(d) 4" Dia</u>	24.0	425.45	P.No	10,211
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>	60.0	110.40	P.No	6,624
	<u>(c) 1" Dia</u>	30.0	132.43	P.No	3,973
	<u>(d) 4" Dia</u>	12.0	712.75	P.No	8,553
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>	72.0	98.15	P.No	7,067
	<u>(b) 1" Dia</u>	30.0	110.40	P.No	3,312



S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
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 <u>(a) 3/4" Dia</u>	12.0	312.81	P.No	3,754
	<u>(b) 1" Dia</u>	12.0	381.37	P.No	4,576
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 <u>4" Dia</u>	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 <u>4" Dia</u>	14.0	677.65	P.No	9,487



S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
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 4" Dia	14.0	847.42	P.No	11,864
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	14.0	187.93	P.No	2,631
11	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.	6.0	14201.00	P.No	85,206
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.	630.0	77.00	P.Rft	48,510
13	Providing & Fixing Hand pump Machine i/c fitting and fixing i/c etc complete.	6.0	4500.00	P.No	27,000
14	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	12.0	652.35	P.No	7,828
Total of Non Schedule Items					420,319
Total of Schedule Items					265,577
G.Total:					685,896



REHABILITATION & EXPANSION OF HIGH PRIORITY 4560-SCHOOLS (PRIMARY / ELEMENTARY) DISTRICT LARKANA
(115-UNITS) (NON-ADP) AT GGPS SHAIKH ZAID -II (REHAB:/ ADD:3-C/R) GGPS SHAHEED ABDUL QADIR LAGHARI(I
GBPS MITHO DERO (REHAB: / ADD: 3-C/R) GBPS AKIL (REHAB:/ ADD: 3-C/R / LAV:) GBPS PANJAL BHUTTO (ADD:
GBPS CHANNA (C/WALL / LAV:) GBPS SHAHOO BORAHO (REHAB:) GBPS SACHE BUX JAGIRANI (REHAB:)
GGPS KEHAR (REHAB:) GBLSS SHER MUHAMMAD JAMALI (REHAB: / C/WALL) GBPS JURIO CHANDIO (REHAB: /
ADD: 2-C/R /C/WALL) GBPS WAPDA COLONY-II (REHAB:) GBPS GUL MUHAMMAD KHOSO (REHAB:) TALUKA LAR

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)	1487.0	5445.00	% Cft	80,967
2	Dismantling sirki Sarkanda or thatched roofing supported on bottens or ballies. (S.I.No.21 P/10).	532.0	817.10	% Sft	4,347
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	2697.00	378.13	% S.ft	10,198
4	Dismantling brick work in mud mortar. (S.I.No.12 P/10).	793.0	529.38	% Cft	4,198
5	Dismantling rolled steel beams, iron rails etc. (S.I.No.42 P/13).	24.00	126.04	P.Cwt	3,025
6	Dismantling cement concrete plain 1:2:4. (S.I.No.19 © P/10).	3897.0	3327.50	% Cft	129,673
7	Removing cement or lime plaster. (S.I.No.53 P/13).	14295.0	121.00	% Sft	17,297
8	Dismantling brick work in lime or cement mortar. (S.I.No.13 P/10).	2463.0	1285.63	% Cft	31,665
9	Removing door with chowkats. (S.I.No.33 (a) P/12).	2.0	142.18	Each	284
10	Removing windows and sky light with chowkats. (S.I.No.33 (b) P/12).	6.0	102.85	Each	617
11	Applying floating of cement 1/32" thick.. (S.I.No.14 P/53). P/11)	14295.0	660.00	% Sft	94,347
12	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structure with excavated earth watering and removing lead upto 5ft. (b) in ordinary soil (S.I.No: 18 (b) P/4).	12625.0	3176.25	%0. Cft	40,100
13	Cement concrete brick or stone ballast 1 1/2" to 2" gauge (c) Ratio. 1:5:10. (s.I.No: 4 (c) P/14).	6973.0	8694.95	%Cft	606,299
(B)	Ratio. 1:6:12.	1127.0	8122.95	%Cft	91,546
14	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P/20)	13341.0	11948.36	%Cft	1,594,031
15	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).	9529.0	337.00	P.Cft	3,211,273

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
16	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	483.765	5001.70	P.Cwt	2,419,647
17	Supplying and filling sand under floor and plugging in walls. (S.I.No: 29 P/25).	36539.0	1141.25	%Cft	417,001
18	Extra Lead (1.0 Mile)	23506.0	407.00	%Cft	95,669
19	Dry rammed brick or stone ballast 1 1/2" to 2" guage. (S.I.No.2 P/14).	2895.0	3327.50	% Cft	96,331
20	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).	6247.0	10.70	P.Sft	66,843
21	Pacca brick work in Ground floor in cement sand mortar. (S.I.No.1(e) P/20).	17603.0	12674.36	%Cft	2,231,068
22	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
23	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).	1545.0	5310.35	% Sft	82,045
24	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).	619.0	228.90	P.Rft	141,689
25	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).	1846.0	240.50	P.Rft	443,963
26	Suppling M.S square, bar 3/4" dia (Sch: of matrial).	12.970	3550.00	P.Cwt	46,044
27	Cutting and fixing iron bars for barred windows. (S.I.No.18 P/97).	270.0	28.23	P.No	7,622
28	Cement plaster 1:6 upto 12' height (b) 1/2" thick. (S.I.No.13 (b) P/51).	56953.0	2206.60	%Sft	1,256,725
29	Cement plaster 1:4 upto 12' height (a) 3/8" thick. (S.I.No.11 (a) P/51).	56825.0	2197.52	%Sft	1,248,741



S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
30	Cement pointing strucking joints on walls (a) Ratio 1:2. (S.I.No.19 (a) P/52).	14921.0	1287.44	% Sft	192,099
31	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).	26561.0	1887.40	% Sft	501,312
32	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).	1922.0	902.93	P.Sft	1,735,431
33	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)	260.0	19.36	P. Rft	5,034
34	Notice board made with cement. (S.I.No: 1 P/94).	768.0	58.11	P.Sft	44,628
35	Providing and laying 1" thick topping cement concreat (1:2:4) including surface finishing anddividing into panels. (d) 3" Thick. (S.I.No: 16 (d) P. 41).	17490.0	4411.82	%Sft	771,627
(B)	2" Thick	17079.0	3275.50	%Sft	559,423
(C)	1-1/2" Thick	1289.0	2548.29	%Sft	32,847
36	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).	3123.0	14429.25	% Cft	450,625
37	P/F deodar Almirah 9"x12" depth i/c boxing with back shalves shutters bars fittings complete (S.I.No: 23 P.68).	256.0	1778.50	P.Sft	455,296
38	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).	1298.0	27747.06	% Sft	360,157
39	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)	17178.0	307.00	P. Sft	5,273,646

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
40	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).	2324.0	186.04	P.Sft	432,357
42	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).	3723.0	180.50	P.Sft	672,002
43	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).	5396.0	1512.50	%0Cft	8,161
44	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	776.0	7.71	P Rft	5,983
45	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).	5272.0	<u>3918.20</u> 1422.58	% Sft	74,998
46	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quaddra / 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).	3267.0	199.77	P.Sft	652,649
47	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city / quaddra / 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).	2316.0	223.97	P.Sft	518,715
48	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).	170.0	726.72	P.Sft	123,542

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
49	Suppling of I.Girders at site of Works	30.86	3850.00	P.Cwt	118,799
50	Supplying of T-Iron at the site of work	45.25	3575.00	P.Cwt	161,765
51	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
52	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).	2046.0	11443.10	% Cft	234,126
53	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
54	Cement Pointing 1:2 flash on floor. (S.I.No: 18 P/52).	2046.0	939.57	% Cft	19,224
55	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
56	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).	455.0	27678.86	% Sft	125,939
57	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	391.0	28253.61	% Sft	110,472
58	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).	1850.0	36.60	P.Sft	67,710
59	Preparing the surface and painting with enamel paint masonary walls.(S.I.No: 31 P/72).	950.0	1451.04	%.Sft	13,785
60	White washing three coats. (S.I.No.26 (c) P/53).	11682.0	829.95	% Sft	96,955
(B)	White washing two coats. .	9031.0	425.84	% Sft	38,458
61	Primary coat of chalk distempering. (S.I.No.23 P/57).	38882.0	442.75	% Sft	172,150
62	Distempering three coats. (S.I.No.24 (c) P/53).	89471.0	1079.65	% Sft	965,974
(B)	Distempering two coats.	17527.0	1043.90	% Sft	182,964
62	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).	17461.0	1948.10	% Sft	340,158

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
(B)	Old Surface	39477.0	1498.48	% Sft	591,555
63	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).	7766.0	2116.41	% Sft	164,360
(B)	Old Surface	2312.0	1160.06	% Sft	26,821
64	Painting guard bars , gates iron bars gratings railings i/c standard barsees etc: smiler open works.	1915.0	1270.83	% Sft	24,336
(B)	Old Surface	948.0	674.60	% Sft	6,395
				G.Total;	30,925,034



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.	6.0	4802.60	P.Each	28,816
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 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.	8.0	447.15	P.No	3,577
5	S/F conceled stop cock of superior quality with C.P head 1/2" dia.	8.0	889.46	P.No	7,116
6	S/F long bib-cock of superior quality with C.P head 1/2" dia	12.0	1384.24	P.No	16,611
7	S/F Swan type piller cock of superior quality etc:	2.0	877.80	P.No	1,756
8	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).	2.0	2376.00	Each	4,752
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 . (250 gallons)	1.0	21989.61	Each	21,990
13	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 gallons)	300.0	87.95	P.G	26,385
11	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. (S.I.No: 2 P/20).	2.0	5913.22	Each	11,826
				Total:	137,751


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>1/2" Dia</u>	40.0	66.81	P.Rft	2,672
	<u>3/4" Dia</u>	329.0	78.01	P.Rft	25,665
	<u>1" Dia</u>	30.5	97.91	P.Rft	2,986
	<u>4" Dia</u>	105.0	397.77	P.Rft	41,766
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>1/2" Dia</u>	10.0	101.39	P.No	1,014
	<u>3/4" Dia</u>	46.0	103.05	P.No	4,740
	<u>1" Dia</u>	20.0	125.90	P.No	2,518
	<u>4" Dia</u>	13.0	425.45	P.No	5,531
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>	29.0	110.40	P.No	3,202
	<u>(c) 1" Dia</u>	13.0	132.43	P.No	1,722
	<u>(d) 4" Dia</u>	6.0	712.75	P.No	4,277
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



S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
5	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) <u>(a) 3/4" Dia</u>	24.0	98.15	P.No	2,356
	<u>(b) 1" Dia</u>	10.0	110.40	P.No	1,104
6	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). <u>(a) 3/4" Dia</u>	4.0	312.81	P.No	1,251
	<u>(b) 1" Dia</u>	4.0	381.37	P.No	1,525
7	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). <u>4" Dia</u>	4.0	677.65	P.No	2,711
8	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 (N.S.I). <u>4" Dia</u>	4.0	847.42	P.No	3,390

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
9	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 (N.S.I). 4" Dia				
10	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	4.0	187.93	P.No	752
11	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.	2.0	652.35	P.No	1,305
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.	3.0	14201.00	P.No	42,603
		310.0	77.00	P.Rft	23,870
13	Providing & Fixing Hand pump Machine i/c fitting and fixing i/c etc complete.	3.0	4500.00	P.No	13,500
Total of Non Schedule Items					192,095
Total of Schedule Items					137,751
G.Total:					329,846

XEN

TALUKA RATODERO PACKAGE:- 04.**Name of Secheme:-**

REHABILITATION & EXPANSION OF HIGH PERIORITY
4560 SCHOOLS (PRIMARY/ELEMENTARY) DISTRICT
LARKANO (115 UNITS) (NON-ADP) (2017-18 PROG:)
@GBPS RATODERO-II (REHAB: & 06 ADD: C/R), GGPS
MADERSATUL GURBA-II (03 ADD: C/R), GBPS MUBARAK
SHAH (REHAB:), GBPS WANDH BHUTTA (REHAB:), GBPS
FATEHPUR (REHAB: & 02 ADD: C/R), GGPS WARIS DINO
MACHI (REHAB: 03 ADD: C/R & C/WALL) 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)	2461.00	5445.00	% C.ft	134,001
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	4808.00	1285.63	% C.ft	61,813
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	1109.25	378.13	% C.ft	4,194
4	Dismantling cement concrete plain Ratio 1:2:4.	6269.00	3327.50	% C.ft	208,601
5	Removing cement or lime plaster. (S.I No. 53 P/13)	10151.00	121.00	% C.ft	12,283
6	Removing Doors with chowkats (S.I.No. 33(a) P/12)	7.00	142.18	P.No	995
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.	6290.00	3176.25	% OCft	19,979
9	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	2854.00	8694.95	% Cft	248,154
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:4:8 .(S.I No. 4 P/14)	249.00	9416.28	% Cft	23,447
11	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	6643.00	11948.36	% Cft	793,730
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. (G.F)	6368.00	337.00	P.Cft.	2,146,016
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. (F.F)	5984.00	349.10	P.Cft.	2,089,014
14	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.	551.430	5001.70	P.Cwt	2,758,087
15	Supply and filling sand under floor including plugging in to walls	13017.00	1141.25	% Cft	148,557
16	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	7961.00	12674.36	% Cft	1,009,006
17	Pacca brick work in First Floor i.c striking of joints in cement sand mortar ratio 1:6.	5547.00	13112.99	% Cft	727,378
18	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	1025.00	10.70	P.Sft	10,968
19	Making of Notice board made with cement (S.I No. 1 P/95).	736.00	58.11	P.Sft	42,769
20	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	16776.00	2206.60	% S.ft	370,179
21	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)	12614.00	2308.84	% S.ft	291,237

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
22	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	16584.00	2197.52	% S.ft	364,437
23	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)	12326.00	2299.76	% S.ft	283,468
24	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I No. 11 (c) P/51)	10151.00	3015.76	% S.ft	306,130
25	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	1764.00	14429.25	% C.ft	254,532
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	592.00	228.90	P.Sft	135,509
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	2108.00	240.50	P.Sft	506,974
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.	2495.00	902.93	P.Sft	2,252,810
29	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	103.00	1778.50	P.Sft	183,186
30	M.S Barred windows squars bars 5/8" dia.	17.285	3550.00	P.Sft	61,362
31	Cutting & Fixing iron bars for barred windows.	348.00	28.23	P.Sft	9,824
32	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	2843.00	1512.50	% OCft	4,300
33	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	174.00	226.02	P.Sft	39,327
34	Supply & Fixing in Position iron/stee 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)	928.00	180.50	P.Sft	167,504
35	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)	841.00	194.16	P.Sft	163,289
36	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)	96.00	231.60	P.Sft	22,234
37	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) .	7974.00	4411.82	% S.ft	351,799
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) (G.F)	7370.00	3275.50	% S.ft	241,404

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
39	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)	11710.00	3502.38	% S.ft	410,129
40	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	16495.00	1887.40	% S.ft	311,327
41	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).	214.00	8977.90	% C.ft	19,213
42	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	6695.00	1287.44	% C.ft	86,194
43	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)	9138.00	30509.77	% S.ft	2,787,983
44	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).	4807.00	307.00	P.Sft	1,475,749
45	Lying floor of approved white glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.	69.00	27678.80	% S.ft	19,098
46	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	232.00	28253.61	% S.ft	65,548
47	Primary coat of chalk distemper(S.I No. 23 P/53)	38109.00	442.75	% S.ft	168,728
48	Distemping Three Coats (S.I No. 24 ©P/53)	28354.00	1079.65	% S.ft	306,124
49	Distemping Two Coats (S.I No. 24 ©P/53)	32656.00	1043.90	% S.ft	340,896
50	White wash three coats.	4698.00	829.95	% S.ft	38,991
51	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)	27063.00	1948.10	% S.ft	527,214
52	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	4881.00	2116.41	% S.ft	103,302
53	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	2160.00	1212.21	% S.ft	26,184
54	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	630.00	1270.83	% S.ft	8,006
TOTAL RS:-					23,144,415



TALUKA RATODERO PACKAGE NO:-04**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	12.00	4802.60	P.No	57,631
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	8.00	4828.00	P.No	38,624
3	Add: Extra for labour for providing and fixing of erthern wire padestal white or coloured glazed	8.00	2533.47	P.No	20,268
4	S/F Swan type pillar cock of superior quality etc:	8.00	877.80	P.G	7,022
5	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.	12.00	889.46	P.No	10,674
6	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	5.00	1384.24	P.No	6,921
7	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.	2.00	365.42	Ech	731
8	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.	550.00	87.95	P.Gallon	48,373
9	P/F in position Nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts lining joints to Nyloon connections.	8.00	447.15	P.No	3,577
10	S/F long bib cock of superior quality with C.P head 1/2" dia.	10.00	1109.46	P.No	11,095
11	P/F 15"x12" beveled edge mirror of belgium glass complete with 1/8" thick hard board and C.P screw fixed to wooden pleat (a) Standard pattern. (S.I No. 3 (a) P/7).	8.00	2376.00	P.No	19,008
12	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	560.00	78.01	P. No.	43,686

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
a	1/2" Dia	400.00	66.81	P. No.	26,724
b	1" Dia	610.00	97.91	P. No.	59,725
c	4" Dia	261.00	397.77	P. No.	103,818
13	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.	4.00	103.05	P. No.	412
a	3/4" Dia	4.00	110.40	P. No.	442
b	1" Dia	4.00	132.43	P. No.	530
c	4" Dia	4.00	712.75	P. No.	2,851
14	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	6.00	98.15	P. No.	589
b	1" Dia	6.00	110.40	P. No.	662
15	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).	4	18470.00	P. No.	73,880
16	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
a	<u>Filter</u>	40.00	76.05	P.No	3,042
b	<u>Boring</u>	340.00	77.00	P.Rft	26,180
c	<u>Machine</u>	4.00	4500.00	Each	18,000
TOTAL RS:-					584,464

TALUKA RATODERO PACKAGE:- 05.**Name of Secheme:-**

REHABILITATION & EXPANSION OF HIGH PERIORITY 4560
SCHOOLS (PRIMARY/ELEMENTARY) DISTRICT LARKANO (115
UNITS) (NON-ADP) (2017-18 PROGRAMME) @GBPS NAUDERO-I
(REHAB: LAV:), GBPS NAUDERO-II (REHAB:), GBPS OVER
CROWD NAUDERO (REHAB:, 03 ADD: C/R), GBPS KHUDA BUX
PHULPOTO (REHAB:), GBPS NAUDERO-03 (REHAB: 03 ADD:
C/R), GBPS MORIA FAKIR (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)	5323.00	5445.00	% C.ft	289,837
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	5336.00	1285.63	% C.ft	68,601
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	2098.00	378.13	% C.ft	7,933
4	Removing cement or lime plaster. (S.I No. 53 P/13)	17231.00	121.00	% C.ft	20,850
5	Dismantling rolled steel (S.I No. 42 P/13).	51.33	126.04	P. Cwt	6,470
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.	8477.00	3176.25	% 0Cft	26,925
9	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	6370.00	8694.95	% Cft	553,868
10	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	10697.00	11948.36	% Cft	1,278,116
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)	8170.00	337.00	P.Cft.	2,753,290
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.	294.632	5001.70	P.Cwt	1,473,661
14	Supply and filling sand under floor including plugging in to walls	8542.00	1141.25	% Cft	97,486
15	Extra Lead (03 Miles)	3102.00	579.41	% C.ft	17,973
16	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	8332.00	12674.36	% Cft	1,056,028
17	Pacca brick work in First Floor i.c striking of joints in cement sand mortar ratio 1:6.	4932.00	13112.99	% Cft	646,733
18	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	1105.00	10.70	P.Sft	11,824
19	Making of Notice board made with cement (S.I No. 1 P/95).	960.00	58.11	P.Sft	55,786
20	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	34698.00	2206.60	% S.ft	765,646
21	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

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
22	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (Ground Floor)	34698.00	2197.52	% S.ft	762,495
23	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I No. 11(a) P/51) (First Floor)	7973.00	2299.76	% S.ft	183,360
24	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)	17231.00	660.00	% S.ft	113,725
25	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	3346.00	14429.25	% C.ft	482,803
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	994.00	228.90	P.Sft	227,527
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	2822.00	240.50	P.Sft	678,691
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.	2870.00	902.93	P.Sft	2,591,409
29	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	12.00	1778.50	P.Sft	21,342
30	M.S Barred windows squars bars 5/8" dia.	13.678	3550.00	P.Sft	48,557
31	Cutting & Fixing iron bars for barred windows.	222.00	28.23	P.Sft	6,267
32	Supplying of T- Girders at Site of Work (Schedule of Material).	5.11	3850.00	P.Cwt	19,662
33	Supplying of T- Iron at Site of Work (Schedule of Material).	16.86	3575.00	P.Cwt	60,289
34	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).	37.55	186.34	P.Cwt	6,997
35	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)	1435.00	3918.20	% S.ft	56,226
36	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape	5740.00	223.97	P.Sft	1,285,588
37	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	1514.00	1512.50	% OCft	2,290
38	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I No. P/).	240.00	226.02	P.Sft	54,245
39	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)	1193.00	180.50	P.Sft	215,337

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
40	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)	1095.00	194.16	P.Sft	212,605
41	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 chrg.(S.I No. 31 P No. 94)	319.00	231.60	P.Sft	73,880
42	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 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
43	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).	14030.00	4411.82	% S.ft	618,978
44	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).	7201.00	4638.70	% S.ft	334,033
45	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)	1479.00	3275.50	% S.ft	48,445
46	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)	7161.00	3502.38	% S.ft	250,805
47	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	19354.00	1887.40	% S.ft	365,287
48	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	6218.00	1287.44	% C.ft	80,053
49	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)	9706.00	30509.77	% S.ft	2,961,278
50	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).	1713.00	307.00	P.Sft	525,891
51	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
52	White glazed tiles 1/4" thick dodo jointed in white cement & laid over 1:2 cement sand mortar 2/4" thick i/c finishing.	983.00	28253.61	% S.ft	277,733
53	Primary coat of chalk distemper(S.I No. 23 P/53)	28513.00	442.75	% S.ft	126,241

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
54	Distempring Three Coats (S.I No. 24 ©P/53)	28672.00	1079.65	% S.ft	309,557
55	Distempring Two Coats (S.I No. 24 ©P/53)	54742.00	1043.90	% S.ft	571,452
56	White wash three coats.	6190.00	829.95	% S.ft	51,374
57	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)	50063.00	1948.10	% S.ft	975,277
58	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	16891.00	2116.41	% S.ft	357,483
59	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	6256.00	1212.21	% S.ft	75,836
TOTAL RS:-					24,464,695



XEN

TALUKA RATODERO PACKAGE NO:-05.**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	5.00	4802.60	P.No	24,013
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	4828.00	P.No	9,656
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	S/F Swan type pillar cock of superior quality etc:	2.00	877.80	P.G	1,756
5	the requied dia of circoules sewer 3.0 (106"mm) depth with walls of B.B in cement mortar 1:3 cement	2.00	14748.00	P.No	29,496
6	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.	5.00	889.46	P.No	4,447
7	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	5.00	1384.24	P.No	6,921
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.	450.00	87.95	P.Gallon	39,578
10	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
11	P/F 15"x12" beveled edge mirror of belgium glass complete with 1/8" thick hard board and C.P screw fixed to wooden pleat (a) Standard pattern. (S.I No. 3 (a) P/7).	2.00	2376.00	P.No	4,752
12	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	350.00	78.01	P. No.	27,304

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
a	1/2" Dia	100.00	66.81	P. No.	6,681
b	1" Dia	270.00	97.91	P. No.	26,436
c	4" Dia	110.00	397.77	P. No.	43,755
13	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
a	3/4" Dia	4.00	110.40	P. No.	442
b	1" Dia	2.00	132.43	P. No.	265
c	4" Dia	2.00	712.75	P. No.	1,426
14	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	8.00	98.15	P. No.	785
b	1" Dia	8.00	110.40	P. No.	883
15	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
16	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:-					269,133


XEN

TALUKA RATODERO PACKAGE:- 06.**Name of Secheme:-**

REHABILITATION & EXPANSION OF HIGH PERIORITY 4560
SCHOOLS (PRIMARY/ELEMENTARY) DISTRICT LARKANO (115
UNITS) (NON-ADP) (2017-18 PROGRAMME) @GBPS CHAJRA
(REHAB:, 02 ADD: C/R), GBPS BANGULDREO MAIN (REHAB:),
GBPS BANGULDERO (REHAB:), GBPS BHAI KHAN GHANGHRO
(01 ADD: C/R, C/WALL), GBPS AGHAM-I (REHAB:), GBPS
WALIDAD GABAR (REHAB:), GBPS KHANWAH (REHAB:, 01
ADD: C/R), GBPS SUHRAB MACHI (REHAB:, C/WALL) 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)	5696.00	5445.00	% C.ft	310,147
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	12110.00	1285.63	% C.ft	155,690
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	3832.00	378.13	% C.ft	14,490
4	Dismantling cement concrete plain Ratio 1:2:4.	1423.00	3327.50	% C.ft	47,350
5	Removing cement or lime plaster. (S.I No. 53 P/13)	13461.00	121.00	% C.ft	16,288
6	Dismantling rolled steel (S.I No. 42 P/13).	102.69	126.04	P. Cwt	12,943
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)	11.00	142.18	P.No	1,564
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)	33.00	102.85	P.No	3,394
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	5178.00	3176.25	% 0Cft	16,447
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 , (S.I No. 4 P/14)	3948.00	8694.95	% Cft	343,277
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	8067.00	11948.36	% Cft	963,874
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)	10453.00	337.00	P.Cft.	3,522,661
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)	137.00	349.10	P.Cft.	47,827
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.	485.625	5001.70	P.Cwt	2,428,951
16	Supply and filling sand under floor including plugging in to walls	18232.00	1141.25	% Cft	208,073
17	RCC Spouts	6.00	261.25	NOS	1,568
19	Pacca brick work in Ground Floor i.c striking of joints in cement sand mortar ratio 1:6.	16978.00	12674.36	% Cft	2,151,853
20	Pacca brick work in First Floor i.c striking of joints in cement sand mortar ratio 1:6.	2865.00	13112.99	% Cft	375,687
21	P & Single per layer of polythene sheet 0.13 mm thick for water proggng as per specification	1671.00	10.70	P.Sft	17,880
22	Making of Notice board made with cement (S.I No. 1 P/95).	672.00	58.11	P.Sft	39,050
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	31784.00	2206.60	% S.ft	701,346

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
24	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (First Floor)	10340.00	2308.84	% S.ft	238,734
25	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I. No. 11(a) P/51) (Ground Floor)	31784.00	2197.52	% S.ft	698,460
26	Cement plaster 1:4 upto 20" height 3/8" thick. (S.I. No. 11(a) P/51) (First Floor)	9983.00	2299.76	% S.ft	229,585
27	Cement Plaster 1:4 upto 12" height. 3/4" thick (S.I. No. 11 (c) P/51)	8385.00	3015.76	% S.ft	252,871
28	Applying floating coat of cement 1/32" thick (S.I. No. 14 P/52)	5076.00	660.00	% S.ft	33,502
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	771.40	14429.25	% C.ft	111,307
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	512.00	228.90	P.Sft	117,197
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	2000.00	240.50	P.Sft	481,000
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.	1966.00	902.93	P.Sft	1,775,160
34	M.S Barred windows squars bars 5/8" dia.	12.068	3550.00	P.Sft	42,841
35	Cutting & Fixing iron bars for barred windows.	254.00	28.23	P.Sft	7,170
36	Supplying of T- Girders at Site of Work (Schedule of Material).	5.11	3850.00	P.Cwt	19,662
37	Supplying of T- Iron at Site of Work (Schedule of Material).	16.88	3575.00	P.Cwt	60,360
38	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).	56.38	186.34	P.Cwt	10,506
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)	613.00	3918.20	% S.ft	24,019
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape	2450.00	223.97	P.Sft	548,727
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	1152.00	1512.50	% OCft	1,742
44	Supply & Fixing in Position iron/stee 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)	498.00	180.50	P.Sft	89,889

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
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)	80.00	194.16	P.Sft	15,533
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 incliding 1:2 cement pointin underside of tiles complete incliding curing etc (S.I No. 1 P/33).	3824.00	11443.10	% S.ft	437,584
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).	16033.00	4411.82	% S.ft	707,347
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).	1081.00	4638.70	% S.ft	50,144
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)	8526.00	3275.50	% S.ft	279,269
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)	1318.00	3502.38	% S.ft	46,161
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	14972.00	1887.40	% S.ft	282,582
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	11068.00	1287.44	% C.ft	142,494
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	497.00	12346.65	% C.ft	61,363
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)	6113.00	30509.77	% S.ft	1,865,062
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 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
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.	225.00	27678.80	% S.ft	62,277
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.	197.00	28253.61	% S.ft	55,660
63	Primary coat of chalk distemper(S.I No. 23 P/53)	47384.00	442.75	% S.ft	209,793
64	Distemping Three Coats (S.I No. 24 ©P/53)	47384.00	1079.65	% S.ft	511,581

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
65	Distempring Two Coats (S.I No. 24 ©P/53)	9493.00	1043.90	% S.ft	99,097
66	White wash three coats.	10418.00	829.95	% S.ft	86,464
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)	30653.00	1948.10	% S.ft	597,151
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	5592.00	2116.41	% S.ft	118,350
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	2961.00	1212.21	% S.ft	35,894
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	951.00	1270.83	% S.ft	12,086
TOTAL RS:-					22,002,599



TALUKA RATODERO PACKAGE NO:-04**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	6.00	4802.60	P.No	28,816
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	1.00	4828.00	P.No	4,828
3	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.	2.00	5913.22	P.Each	11,826
4	S/F Swan type pillar cock of superior quality etc:	6.00	877.80	P.G	5,267
5	S/F Conceled Stop Cock of Superior Quality with C.P head 1/2" Dia.	6.00	889.46	P.No	5,337
6	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.		1384.24	P.No	-
7	Providing and fixing handle valves (china). (S.I.No: 5 P/ 17). 1" Dia.	6.00	365.42	Ech	2,193
8	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.	600.00	87.95	P.Gallon	52,770
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	180.00	78.01	P. No.	14,042
a	1/2" Dia	160.00	66.81	P. No.	10,690
b	1" Dia	268.00	97.91	P. No.	26,240
c	4" Dia	50.00	397.77	P. No.	19,889

S.No	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
10	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.	6.00	103.05	P. No.	618
a	3/4" Dia	6.00	110.40	P. No.	662
b	1" Dia	6.00	132.43	P. No.	795
c	4" Dia	6.00	712.75	P. No.	4,277
11	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	4.00	98.15	P. No.	393
b	1" Dia	4.00	110.40	P. No.	442
12	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).	3	18470.00	P. No.	55,410
13	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:-					255,142



TALUKA BAKRANI PACKAGE NO:- 07**Name of Secheme:-**

GBPS Hyder Brohi (04 Add: C/Rooms) GBPS Haji
 Altaf Hussain Unar (03 Add: C/Rooms & Lav) GBPS
 Ganja Tunia (Rehab: 01 Add: C/Rooms) GBPS
 Mahi Bhutto (Rehab: C/Wall & Lav:) GBPS
 Ramzan Shaikh (Reh: 02 Add: C/Rooms C/Wall &
 Lav:) GBPS Ali Jatoi (Rehb: 04 Add: C/Rooms
 C/Wall & Lav)

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)	1454.00	5445.00	% C.ft	79,170
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.	488.00	3327.50	% C.ft	16,238
5	Removing cement or lime plaster. (S.I No. 53 P/13)	2419.00	121.00	% C.ft	2,927
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.	16637.00	3176.25	% OCft	52,843
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	5841.00	8694.95	% Cft	507,872
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)	1494.00	8122.95	% Cft	121,357
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	12076.00	11948.36	% Cft	1,442,884
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)	8480.00	337.00	P.Cft.	2,857,760
14	Dry Rammed bricks or stone ballast 1/2" 2" Gauge (S.I.No: 02 p/14)	277.00	3327.50	% Cft	9,217
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.	625.969	5001.70	P.Cwt	3,130,909
16	Supply and filling sand under floor including plugging in to walls	25958.00	1141.25	% Cft	296,246
17	Extra Labour rate for making cement plaster patta/band around straight are courtyard opening	368.00	261.25	% S.ft	961
18	Extra Lead (03 Miles)	8901.00	579.41	% C.ft	51,573
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	20031.00	12674.36	% Cft	2,538,801
20	Pacca brick work in First Floor i.e striking of joints in cement sand mortar ratio 1:6.		13112.99	% Cft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
21	P & Single per layer of polythene sheet 0.13 mm thick for water propping as per specification	1890.00	10.70	P.Sft	20,223
22	Making of Notice board made with cement (S.I No. 1 P/95).	608.00	58.11	P.Sft	35,331
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	41233.00	2206.60	% S.ft	909,847
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)	34123.00	2197.52	% S.ft	749,860
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	321.00	14429.25	% C.ft	46,318
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 slurry of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	534.00	228.90	P.Sft	122,233
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 slurry of ratio1:6 and repairing the jambs. The cost also i/c all carriage, tools and pla	1618.00	240.50	P.Sft	389,129
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.	1562.00	902.93	P.Sft	1,410,377
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.	13.405	3550.00	P.Sft	47,588
35	Cutting & Fixing iron bars for barred windows.	277.00	28.23	P.Sft	7,820
36	Supplying of Girders at Site of Work (Schedule of Material).	82.75	3850.00	P.Cwt	318,588
37	Supplying of T- Iron at Site of Work (Schedule of Material).	64.95	3575.00	P.Cwt	232,196
38	Erection of Rolled Steel Beam etc (S.I No. 6 P/91).	147.68	186.34	P.Cwt	27,519
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)	2895.00	1512.50	% OCft	4,379

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/).	310.00	226.02	P.Sft	70,066
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)	781.00	194.16	P.Sft	151,639
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 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).	3093.00	11443.10	% S.ft	353,935
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) .	11520.00	4411.82	% S.ft	508,242
49	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).	1362.00	7607.25	% S.ft	103,611
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)	6527.00	3275.50	% S.ft	213,792
51	Providing and Laying 1-1/2 thick topping cement concete (1:2:4) including Surface finishing and dividing into panels: (S.I. No. 17 P/41) (F.F)	2041.00	2548.00	% S.ft	52,005
52	Two coats of Bitumen laid hot using 34lbs, for % over with sand of one 3/4" thick. (S.I No. 13 P/34)	11914.00	1887.40	% S.ft	224,865
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)	12740.00	1287.44	% C.ft	164,020

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	2150.00	12346.65	% C.ft	265,453
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.	145.00	726.72	P.Sft	105,374
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.	1821.00	27747.66	% S.ft	505,285
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.	352.00	28253.61	% S.ft	99,453
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	86.00	34520.31	% S.ft	29,687
63	Primary coat of chalk distemper (S.I No. 23 P/53)	41112.00	442.75	% S.ft	182,023
64	Distemping Three Coats (S.I No. 24 ©P/53)	44312.00	1079.65	% S.ft	478,415
65	Distemping Two Coats (S.I No. 24 ©P/53)		1043.90	% S.ft	-
66	White wash three coats.	10676.00	829.95	% S.ft	88,605
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)	16773.00	1948.10	% S.ft	326,755
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	4571.00	2116.41	% S.ft	96,741
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.	1758.00	1270.83	% S.ft	22,341
Total Rs:-					19614895

TALUKA BAKRANI PACKAGE NO:- 07

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	8.00	4802.6	P.No	38,421
2	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
3	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	8.00	299.42	P.No	2,395
4	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).	4	14201.00	P. No.	56,804
5	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)	Boring		77.00	P.Rft	-
(C)	Machine		4500.00	Each	-
6	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.	-
7	3/4" Dia	200.00	95.79	P.Rft.	19,158
8	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.	600.00	87.95	P.G	52,770
9	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter	40.00	76.05	P.No	3,042
(B)	G.I Pipe	280.00	77.00	P.Rft	21,560
(C)	Machine	4.00	4500.00	P.No	18,000
Total Rs:-					212,150

TALUKA BAKRANI PACKAGE NO:- 08**Name of Secheme:-**

GBPS Bakrani Station (Rehb: C/Wall & Lav:) GBPS
 Mehrab Pur (01 Add: C/Room & c/Wall) GBPS
 Gerrelow -ii (Rehb: 01 Add: C/Room & Lav:) GBPS
 Muhammad Khan Mashori (Rehb) GBPS Abdul
 Samad Tunio (03 Add: C/Rooms & Rehab:) GBPS
 Kulli (Rehab: & LaV) GBPS Ghulam Ali Zuhriani (Rehb 06 Add : C/rooms & Lav) GBPS Ghari Takhat
 Ram (Rehab: & Lav) GBPS Mahar Wada (Rehab : 02 Add: C/Rooms)

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)	3718.00	5445.00	% C.ft	202,445
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	2643.00	1285.63	% C.ft	33,979
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.	749.00	3327.50	% C.ft	24,923
5	Removing cement or lime plaster. (S.I No. 53 P/13)	3691.00	121.00	% C.ft	4,466
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.	19627.00	3176.25	% OCft	62,340
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	6363.00	8694.95	% Cft	553,260
11	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:6:12 .(S.I No. 4 P/14)	797.00	8122.95	% Cft	64,740
12	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6.	17079.00	11948.36	% Cft	2,040,660
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)	11937.00	337.00	P.Cft.	4,022,769
14	Dry Rammed bricks or stone ballast 1/2" 2" Gauge (S.I.No: 02 p/14)	1309.00	3327.50	% Cft	43,557
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.	644.280	5001.70	P.Cwt	3,222,495
16	Supply and filling sand under floor including plugging in to walls	47268.00	1141.25	% Cft	539,446
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	613.00	261.25	% S.ft	1,601
18	Extra Lead (03 Miles)	19759.00	579.41	% C.ft	114,486



XEN

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	18042.00	12674.36	% Cft	2,286,708
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	1697.00	10.70	P.Sft	18,158
22	Making of Notice board made with cement (S.I No. 1 P/95).	534.00	58.11	P.Sft	31,031
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	41195.00	2206.60	% S.ft	909,009
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)	41220.00	2197.52	% S.ft	905,818
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	650.00	14429.25	% C.ft	93,790
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	647.00	228.90	P.Sft	148,098
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	577.00	240.50	P.Sft	138,769
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.	377.00	902.93	P.Sft	340,405
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	54.00	1778.50	P.Sft	96,039
34	M.S Barred windows squars bars 5/8" dia.	14.950	3550.00	P.Sft	53,073
35	Cutting & Fixing iron bars for barred windows.	248.00	28.23	P.Sft	7,001
36	Supplying of Girders at Site of Work (Schedule of Material).	51.36	3850.00	P.Cwt	197,736
37	Supplying of T- Iron at Site of Work (Schedule of Material).	44.14	3575.00	P.Cwt	157,801
38	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).	41.09	186.34	P.Cwt	7,657
B	Errection of Rcc (S.I No. 6 P/91).	1395.00	3127.41	P.Cwt	4,362,737
39	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
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)		1512.50	% OCft	-
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)	2835.00	3630.00	% OCft	10,291
43	P/F ornamental Cement jali 2" thick (1:2:4) Without steel (S.I. No. P/).	362.00	226.02	P.Sft	81,819
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)	607.00	194.16	P.Sft	117,855
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).	2688.00	11443.10	% S.ft	307,591
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) .	11026.00	4411.82	% S.ft	486,447
49	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" 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).		7607.25	% 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)	9156.00	3275.50	% S.ft	299,905
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) (G.F)		2548.00	% 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)	15129.00	1887.40	% S.ft	285,545
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	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	14212.00	1287.44	% C.ft	182,971
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	7480.00	12346.65	% C.ft	923,529
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.	252.00	726.72	P.Sft	183,133
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.	1938.00	27747.66	% S.ft	537,750
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.	352.00	28253.61	% S.ft	99,453
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	93.00	34520.31	% S.ft	32,104
63	Primary coat of chalk distemper(S.I No. 23 P/53)	48553.00	442.75	% S.ft	214,968
64	Distemping Three Coats (S.I No. 24 ©P/53)	47191.00	1079.65	% S.ft	509,498
65	Distemping Two Coats (S.I No. 24 ©P/53)	14706.00	1043.90	% S.ft	153,516
66	White wash three coats.	10488.00	829.95	% S.ft	87,045
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)	3266.00	1948.10	% S.ft	63,625
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	2861.00	2116.41	% S.ft	60,550
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.	2466.00	1270.83	% S.ft	31,339
Total Rs:-					25516429

TALUKA BAKRANI PACKAGE NO:- 08

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	8.00	4802.6	P.No	38,421
2	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
3	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	8.00	299.42	P.No	2,395
4	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).	4	14201.00	P. No.	56,804
5	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)	Boring		77.00	P.Rft	-
(C)	Machine		4500.00	Each	-
6	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.	-
7	3/4" Dia	200.00	95.79	P.Rft.	19,158
8	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.	600.00	87.95	P.G	52,770
9	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	Filter	40.00	76.05	P.No	3,042
(B)	G.I Pipe	280.00	77.00	P.Rft	21,560
(C)	Machine	4.00	4500.00	P.No	18,000
Total Rs:-					212,150

TALUKA DOKRI PACKAGE NO:- 09**Name of Secheme:-**

GBPS Dokri Main (Rehab:) GGPS Dokri
 Main(Rehab) GBPS Almani (01 Add : C/Room)
 GBPS Wakro (Rehab) GBLSS Hatri Ghulam Shah (Rehab: C/Wall & Lav :) GBPS Mandhra (Rehab 02 Add: C/Rooms) GBPS Muhammad Ismail Chandio (02 Add: C/Rooms & Lav:) GGPS Haji Lal Bux Shaikh (Rehab: 03 Add: C/Rooms) GBPS Usman Kalhoro (04 Add: C/Rooms) GBLSS Sono Jatoi (Rehab: C/Wall & Lav :)

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)	4773.00	5445.00	% C.ft	259,890
2	Dismantling brick work in lime or cement mortar. (S.I No.13 P/10)	12052.00	1285.63	% C.ft	154,944
3	Dismantling 2nd Class tile roofing (S.I No. 22 (b) P/11)	588.00	378.13	% C.ft	2,223
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)	2592.00	121.00	% C.ft	3,136
6	Dismantling rolled steel (S.I No. 42 P/13).	16.21	126.04	P. Cwt	2,043
7	Removing Doors with chowkats (S.I.No. 33(a) P/12)	10.00	142.18	P.No	1,422
8	Removing Windows & Sky Light with chowkats.(S.I.NO. 33(b) P/12)	12.00	102.85	P.No	1,234
9	Excavation in foundation of building bridges & other structure member with excavated lead upto one chain & lift upto 5" ft in ordinary soil.	17053.00	3176.25	% OCft	54,165
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	8829.00	8694.95	% Cft	767,677
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.	15385.00	11948.36	% Cft	1,838,255
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)	16281.00	337.00	P.Cft.	5,486,697
14	Dry Rammed bricks or stone ballast 1/2" 2" Gauge (S.I.No: 02 p/14)	1549.00	3327.50	% Cft	51,543
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.	802.510	5001.70	P.Cwt	4,013,914
16	Supply and filling sand under floor including plugging in to walls	65814.00	1141.25	% Cft	751,102
17	Extra Labour rate for making cement plaster patta/band around straight are coutyard opening	343.00	261.25	% S.ft	896
18	Extra Lead (03 Miles)	25.85	579.41	% C.ft	150

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
19	Pacca brick work in Ground Floor i.e striking of joints in cement sand mortar ratio 1:6.	19960.00	12674.36	% Cft	2,529,802
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	4302.00	10.70	P.Sft	46,031
22	Making of Notice board made with cement (S.I No. 1 P/95).	849.00	58.11	P.Sft	49,335
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	58075.00	2206.60	% S.ft	1,281,483
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)	57755.00	2197.52	% S.ft	1,269,178
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	403.00	14429.25	% C.ft	58,150
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	496.00	228.90	P.Sft	113,534
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	1526.00	240.50	P.Sft	367,003
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.	2186.00	902.93	P.Sft	1,973,805
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.	16.850	3550.00	P.Sft	59,818
35	Cutting & Fixing iron bars for barred windows.	320.00	28.23	P.Sft	9,034
36	Supplying of Girders at Site of Work (Schedule of Material).	32.13	3850.00	P.Cwt	123,701
37	Supplying of T- Iron at Site of Work (Schedule of Material).	28.86	3575.00	P.Cwt	103,175
38	Errection of Rolled Steel Beam etc (S.I No. 6 P/91).	41.08	186.34	P.Cwt	7,655
B	Errection of Rcc (S.I No. 6 P/91).		3127.41	P.Cwt	-
39	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.		1273.76	P.Sft	-
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobble shape		223.97	P.Sft	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	2835.00	1512.50	% 0Cft	4,288
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/).	607.00	226.02	P.Sft	137,194
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)	920.00	194.16	P.Sft	178,627
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).	1330.00	11443.10	% S.ft	152,193
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).	14364.00	4411.82	% S.ft	633,714
49	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" 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).		7607.25	% 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)	18363.00	3275.50	% S.ft	601,480
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) (G.F)		2548.00	% 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)	9500.00	1887.40	% S.ft	179,303
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	-

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
54	Cement pointing & striking of joints on walls ratio 1:2. (Ground Floor)	17688.00	1287.44	% C.ft	227,722
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	3150.00	12346.65	% C.ft	388,919
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.	2188.00	27747.66	% S.ft	607,119
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.	528.00	28253.61	% S.ft	149,179
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	113.00	34520.31	% S.ft	39,008
63	Primary coat of chalk distemper(S.I No. 23 P/53)	66421.00	442.75	% S.ft	294,079
64	Distempring Three Coats (S.I No. 24 ©P/53)	76459.00	1079.65	% S.ft	825,490
65	Distempring Two Coats (S.I No. 24 ©P/53)	5800.00	1043.90	% S.ft	60,546
66	White wash three coats.	14917.00	829.95	% S.ft	123,804
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)	23425.00	1948.10	% S.ft	456,342
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	7786.00	2116.41	% S.ft	164,784
69	Painting doors & Windows any type (S.I No. 4 (c) P/67) Old Surface	1216.00	1212.21	% S.ft	14,740
70	Preparing surface & painting Guard bars, gates / iron bars gating rakings i/c standard braces etc & similar open work.	346.00	1270.83	% S.ft	4,397
Total Rs:-					26766596

TALUKA BAKRANI PACKAGE NO:- 09**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	8.00	4802.6	P.No	38,421
2	S/F Swan type pillar cock of superior quality etc:		877.8	P.G	-
3	S/F Long bib cock of superior quality wit C.P head 1/2" Dia.	8.00	299.42	P.No	2,395
4	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).	4	14201.00	P. No.	56,804
5	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>Boring</u>		77.00	P.Rft	-
(C)	<u>Machine</u>		4500.00	Each	-
6	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.	-
7	3/4" Dia	200.00	95.79	P.Rft.	19,158
8	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.	600.00	87.95	P.G	52,770
9	Hand pump with all accessories i/c fitting & fixing with local made coir strainer with wooden shoe etc complete.				-
(A)	<u>Filter</u>	40.00	76.05	P.No	3,042
(B)	<u>G.I Pipe</u>	280.00	77.00	P.Rft	21,560
(C)	<u>Machine</u>	4.00	4500.00	P.No	18,000
Total Rs:-					212,150

TALUKA LARKANA RATODERO & DOKRI BAKRANIPACKAGE NO:-10**Name of Secheme:-**

Rehabilitation / Expansion of High Priority 4560
 Schools (Secondary) District Larkana At : GGHS
 Model Schools (EM) Taluka Larkana (Rehab)
 GGHS Mahota Taluka Larkana (Rehab:) GBHS
 Arija Phero (Rehab & C/Wall) GBHS Lashari
 Taluka Ratodero (Rehab: 04 Add: C/Rooms) GBHS
 Pholpota - I Taluka Ratodero (Rehab & C/Wall)
 GBHS Masoodero (Rehab: 01 Add: C/Room) GGHS
 Panjodero (Rehab) GBHS Pathan (Rehab:) GGHS
 Khair Muhammad Arija (C/Wall & Lav: GBHS
 Khair Muhammad Arija (02 Add: C/Rooms Taluka
 Bakrani

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.	1681.00	3327.50	% C.ft	55,935
5	Removing cement or lime plaster. (S.I No. 53 P/13)	9640.00	121.00	% C.ft	11,664
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.	4708.00	3176.25	% 0Cft	14,954
10	Cement concrete brick or stone ballast 1-1/2" to 2" gauge Ratio 1:5:10 .(S.I No. 4 P/14)	4532.00	8694.95	% Cft	394,055
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.	8175.00	11948.36	% Cft	976,778
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)	5803.00	337.00	P.Cft.	1,955,611
14	Dry Rammed bricks or stone ballast 1/2" 2" Gauge (S.I.No: 02 p/14)	1808.00	3327.50	% Cft	60,161
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.	282.458	5001.70	P.Cwt	1,412,770

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
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 courtyard opening	54.00	261.25	% S.ft	141
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.	8104.00	12674.36	% Cft	1,027,130
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	60.00	10.70	P.Sft	642
22	Making of Notice board made with cement (S.I No. 1 P/95).	320.00	58.11	P.Sft	18,595
23	Cement Plaster 1:6 up to 12" height. 1/2" Thick (S.I. No. 13 (b) P/51) (Ground Floor)	34764.00	2206.60	% S.ft	767,102
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)	34764.00	2197.52	% S.ft	763,946
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)	1448.00	660.00	% S.ft	9,557
29	Cement concrete plain i/c placing, compacting, finishing & curing complete i/c screening & washing of stone aggregate without shuttering. Ratio 1:2:4	1384.00	14429.25	% C.ft	199,701
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	259.00	228.90	P.Sft	59,285
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	348.00	240.50	P.Sft	83,694
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.	949.00	902.93	P.Sft	856,881
33	Providing & Fixing Deodar Almirah 9"x12" depth including boxing with back shelves, shutters brass fitting Complete.	167.00	1778.50	P.Sft	297,010
34	M.S Barred windows squars bars 5/8" dia.	0.950	3550.00	P.Sft	3,373
35	Cutting & Fixing iron bars for barried windows.		28.23	P.Sft	-
36	Supplying of 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	-
B	Errection of Rcc (S.I No. 6 P/91).		3127.41	P.Cwt	-



S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
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)	12949.00	3918.2 1422.58	% S.ft	184,210
40	Providing & Fixing cement paving blocks flooring having size of 197x97x80 (mm) of city/quddra/ cobbles shape	13938.00	199.77	P.Sft	2,784,394
41	Filling Watering and ramming earth with surplus earth excavated from foundation (S.I. No. 21 P/4)	565.00	1512.50	% OCft	855
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/).	427.00	226.02	P.Sft	96,511
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)	218.00	180.50	P.Sft	39,349
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)	811.00	194.16	P.Sft	157,464
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).		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) .	11860.00	4411.82	% S.ft	523,242
49	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).		7607.25	% 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

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
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) (G.F)		2548.00	% 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)	4438.00	1887.40	% S.ft	83,763
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)	8205.00	1287.44	% C.ft	105,634
55	Pacca brick work other than building i/c striking of joints in cement sand mortar ratio 1:6.	5268.00	12346.65	% C.ft	650,422
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 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).	6412.00	307.00	P.Sft	1,968,484
59	P/F 3/8" thick marbal tile of approved quility & 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)	6412.00	307.00	P.Sft	1,968,484
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	27747.66	% S.ft	119,037
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.	268.00	28253.61	% S.ft	75,720
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)	47176.00	442.75	% S.ft	208,872
64	Distemping Three Coats (S.I No. 24 ©P/53)	68719.00	1079.65	% S.ft	741,925
65	Distemping Two Coats (S.I No. 24 ©P/53)	1230.00	1043.90	% S.ft	12,840
66	White wash three coats.	9247.00	829.95	% S.ft	76,745
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)	43095.00	1948.10	% S.ft	839,534

S.No.	DESCRIPTION	QNTY;	RATE	UNIT	AMOUNT
68	Painting doors & Windows any type (S.I No. 4 (c) P/67) New Surface	5193.00	2116.41	% S.ft	109,905
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.	608.00	1270.83	% S.ft	7,727
Total Rs:-					29860686



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	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

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

