



**OFFICE OF THE
EXECUTIVE ENGINEER EDUCATION WORKS
DIVISION JACOBABAD**

No. EE/EWD/T.C/1925 Jacobabad dated 21-02-2018

Read: This office NIT No. EE/EWD/TC/1903
Dated:- 09-02-2018

CORRIGENDUM:-

In partial modification of the NIT No. EE/EWD/TC/ 1903 dated 09-02-2018, which was published in various leading newspapers & hosted at SPPRA web site, the packages are re-arranged (List attached) with following new time and dates.

1st Attempt:

Issuance form the date of 1st publication up to 12-03-2018.

Submission date : 13-03-2018 up to 02.00 (P.M)

Opening Dated : 13-03-2018 at 03.00 (P.M)

2nd Attempt:

Issuance form the date of 1st publication up to 14-03-2018.

Submission date : 28-03-2018 up to 02.00 (P.M)

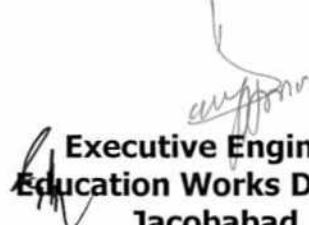
Opening Dated : 28-03-2018 at 03.00 (P.M)

All other terms & conditions will remain un-changed.


**Executive Engineer
Education Works Division
Jacobabad**

CFWCs to:

- The Deputy Commissioner, Jacobabad for favour of his kind information.
- The Chief Engineer, Education Works, Sukkur.
- The Superintending Engineer, Education Works Circle, Larkana for favour of information and approval please.
- 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, Jacobabad.
- The Assistant Engineer, Education Works Sub-Division, Jacobabad, for vide publicity.
- The Member of Procurement Committee for information.
- Copy to Divisional Accounts Officer/Draftsman/Establishment Branch/Notice Board (local).


**Executive Engineer
Education Works Division
Jacobabad**

LIST OF WORKS

SNO.	SIMIS CODE	NAME OF SCHEMES / LOCATION	TALUKA	ESTIMATED IN MILLION COST	EARNST MONEY IN MILLION	TENDER FEE IN RUPEES	TIME ALLOWED
Rehabilitaion / Expansion of High Priority 4560-Schools @ District Jacobabad. (Primary & Elemt: Schools).							
	Package No.1			37.240	1.862	3000	4 Months
1	412020319	GBPS - POLICE HEAD QUARTER	J'abad				
2	412020241	GGPS - PHOOL BAGH	do				
3	412020278	GGPS - JUMO DASTI	do				
	Package No.2			33.104	1.655	3000	4 Months
1	412020101	GBPS - JACOBABAD (MAIN)	J'abad				
2	412020108	GBPS - HAMIDIA	J'abad				
	Package No.3			39.099	1.955	3000	4 Months
1	412020102	GBPS - RAILWAY COLONY	J'abad				
2	412020104	GBPS - SOOMRA MUHALLA	do				
3	412020148	GBPS - BUGHIA	J'abad				
4	412020149	GBPS - HAWALDAR BROHI	do				
5	412020105	GBPS - SPECIAL FORCE	J'abad				
	Package No.4			38.976	1.949	3000	4 Months
1	412020329	GBPS - MANGRIO	J'abad				
2	412020254	GGPS - MUHAMMAD HAYAT PARK	do				
3	412020168	GBPS - QADIR PUR	J'abad				
4	412020324	GBPS - (GHARIB ABAD) USTAD GHULAM NABI SARKI	do				
5	412020292	GBPS-Hussain Abad	J'abad				
6	412020240	GGPS- Master Muhamamd Ibrahim Jakhrani	do				
	Package No.5			38.382	1.919	3000	4 Months
1	412020136	GBPS - BANGLOW	J'abad				
2	412020352	GBPS - SUHRAB KHAN JAKHRANI	do				
3	412020255	GGPS - PIR HAJAN SHAH	do				
4	412020272	GGPS - BHALE DINO ABAD - I	do				
5	412020347	GBPS - RAMZAN PUR	do				
6	412020140	GBPS - ABAD	do				
7	412020109	GBPS - MUHAMMAD KHAN SABAYO	do				
8	412020217	GBPS - CHANNA MOHALLA	do				
9	412020178	GBPS - MUHAMMAD MASOOD KHOSO	do				
	Package No.6			39.178	1.959	3000	4 Months
1	412020291	GBPS- Mengal Brohi	J'abad				
2	412020297	GBPS-Sabzal khoso	do				
3	412020234	GGLSS - FAIMLY LINE	J'abad				
4	412020293	GBPS-Hamid Khan Lashari	do				
5	412020364	GBPS- Haji Akhtar Hussain Khoso	J'abad				
6	412020209	GBPS Muhammad Umar Soomro	do				

7	412020281	GGPS-Gulab Machhi	do				
	Package No.7			38.254	1.913	3000	4 Months
1	412020223	GGLSS - RAILWAY COLONY	J'abad				
2	412020259	GGPS - HAJI LAKHMIR	J'abad				
3	412020266	GGPS - QADIR PUR - II (CMS)	do				
4	412020106	GBPS - SHAIKH ABDUL HAKIM	do				
5	412020354	GBPS - SOOFI PAHALWAN FAQIR	do				
6	412020008	GBPS-Altaf Pechuho	J'abad				
7	412020128	GBPS Akil Pur	do				
	Package No.8			38.967	1.948	3000	4 Months
1	412020391	GBPS - HAMDARD	J'abad				
2	412020029	GBPS - MUHAMMAD SACHAL MUHANO	do				
3	412020260	GGPS - GHABI DERO @ MUHAMMAD ALI BROHI	do				
4	412020320	GBPS - GUL HASSAN BAHRANI	J'abad				
5	412020129	GBPS - MEHRAB PUR	do				
6	412020284	GBPS - BABOO MOHALLA	do				
7	412020012	GBPS- Sher Muhamamd Wazirani	J'abad				
8	412020273	GGPS-Abdul Aziz Kharani	do				
	Package No.9			39.481	1.974	3000	4 Months
1	412020127	GBPS - PECHOOHA	J'abad				
2	412020224	GGPS - PECHOOHA	do				
3	412020282	GGPS - ADC COLONY	do				
4	412020139	GBPS - KAUREJA	J'abad				
5	412020207	GBPS - SHAHAL KHAN RAMDANI	do				
6	412020016	GBPS - FAZAL MUHAMMAD KHARANI	do				
7	412020286	GBLSS - KARIM ABAD @ ZARK KHAN	do				
8	412020325	GBPS-Gulab Machhi	J'abad				
9	412020326	GBPS-Jamal Abad	do				
	Package No.10			39.117	1.956	3000	4 Months
1	412010194	GBPS-Lakhmir Katohar	G'Khairo				
2	412010026	GBPS-Chutto lashari	do				
3	412020063	GBPS-Ahmedin Brohi	do				
4	412010070	GBPS - MUHAMMAD PUR ODHO	G'Khairo				
5	412010245	GBPS - DODA PUR	G'Khairo				
	Package No.11			35.194	1.760	3000	4 Months
1	412010230	GBPS - MUHAMMAD ROSHAN BROHI	G'Khairo				
2	412010313	GBPS - DAIM BROHI	do				
3	412010134	GGPS - DODA PUR	G'Khairo				
4	412010079	GBPS - BUDHANI	do				
5	412010043	GBPS - BUKHARI GARHI KHAIRO	G'Khairo				
	Package No.12			30.961	1.548	3000	4 Months
1	412010258	GBPS-Gous Abad @ Nao Goth Jakhro	G'Khairo				
2	412010166	GBPS-Khalique Dad Brohi	do				
3	412010073	GBPS- Sheran Pur	G'Khairo				

4	412010075	GBPS- Raban ji Wandh	do				
5	412010312	GBPS - PUNHOON BHATTI	G'Khairo				
	Package No.13			30.437	1.522	3000	4 Months
1	412010239	GBPS - GARHI KHAIRO (MAIN)	G'Khairo				
2	412010067	GBPS - MIRAN PUR	G'Khairo				
3	412010155	GGPS - PUNHOON BHATTI	G'Khairo				
4	412010113	GGPS - GULAB MARI	do				
	Package No.14			34.947	1.747	3000	4 Months
1	412030434	GBPS - SHAH BHITTAI THUL	Thul				
2	412030510	GBPS - SARDAR SOHRAB KHAN SARKI	do				
3	412030433	GBPS - THUL (MAIN)	Thul				
	Package No.15			39.754	1.988	3000	4 Months
1	412030425	GBPS - QAZI SARWER BUX DAYO	Thul				
2	412030555	GBPS - RAIS MUHAMMAD ANWER DAYO	do				
3	412030494	GBPS - LAL BHATTI	Thul				
4	412030426	GBPS - ABDUL QADIR SHAH					
5	412030528	GBPS - BAHADUR PUR	Thul				
	Package No.16			40.282	2.014	3000	4 Months
1	412030478	GBPS - MIRPUR BURIRO (SINDHI)	Thul				
2	412030102	GGPS - THULL - II	Thul				
3	412030067	GBPS - BAHOO KHOSO	do				
4	412030234	GBPS - MUHAMMAD SIDDIQUE	Thul				
5	412030131	GGPS - QADIR DAD NOONARI	do				
	Package No.17			36.366	1.818	3000	4 Months
1	412030172	GGPS - RANJHA PUR	Thul				
2	412030585	GBPS - DILDAR PAHORE	do				
3	412030611	GBPS - GHULAM MUHAMMAD SARKI	Thul				
4	412030628	GBPS - ZAFAR ABAD	do				
5	412030610	GBPS - SHAMBO BROHI	Thul				
6	412030385	GBPS -Muhammad Hassan	do				
	Package No.18			37.127	1.856	3000	4 Months
1	412030540	GBPS - BUXAN PAHORE	Thul				
2	412030486	GBPS - RANJHA PUR	do				
3	412030001	GBPS - HAJI ALI BUX SOOMRO	Thul				
4	412030130	GGPS - THUL (MAIN)	do				
5	412030538	GBPS -Khan Muhammad pahore	Thul				
6	412030477	GBPS -Khan Kato	do				
	Package No.19			37.675	1.884	3000	4 Months
1	412030052	GBPS - ABDUL QADIR KHOSO	Thul				
2	412030679	GBPS - SACHAL KATTO	do				
3	412030438	GBPS - GULSHER KHAN KANRANI	Thul				
4	412030291	GBPS - UMED ALI BROHI	do				
5	412030563	GBPS -Abdul Ghani Shah	Thul				
6	412030155	GGPS -Madad pur	do				

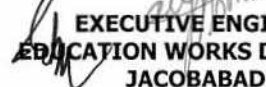
	Package No.20			36.819	1.841	3000	4 Months
1	412030242	GBPS - MAZARI KHAN LASHARI	Thul				
2	412030431	GBPS - RAHIM BUX NOONARI	do				
3	412030446	GBPS - WARIS DINO NOONARI	Thul				
4	412030635	GBPS - HAMZO KHAN BURIRO (BR:)	do				
5	412030228	GGPS - SARDAR SOHRAB KHAN SARKI	Thul				
6	412030116	GGPS - ABDUL QADIR KHOSO	do				
	Package No.21			37.910	1.896	3000	4 Months
1	412030248	GBPS - HABIB ULLAH NOONARI	Thul				
2	412030048	GBPS - ZANGI PUR (OLD)	do				
3	412030106	GGPS - WARIS DINO NOONARI	Thul				
4	412030590	GBPS - RAJO KHAN BANGLANI	do				
5	412030541	GBPS - RAJAB ALI PAHORE	Thul				
6	412030086	GBPS - LAL BUX BURIRO	do				
	Package No.22			36.331	1.817	3000	4 Months
1	412030662	GBPS - MAHBOOB-JI-WANDH	Thul				
2	412030424	GBPS - ABDUL KHALIQUE NOONARI	do				
3	412030567	GBPS-Anees u Rahman	Thul				
4	412030443	GBPS - CHANDAN	do				
5	412030482	GBPS -Channa	Thul				
6	412030502	GBPS -Sikandar abad	do				
	Package No.23			34.610	1.731	3000	4 Months
1	412030579	GBPS - JAGAN CHANNO	Thul				
2	412030200	GGPS - LAL BHATTI					
3	412030040	GBPS-Uddi @ Anees u Rahman Srki	Thul				
4	412030294	GBPS-Mubarak Paore @ Noor Ahmed	do				
5	412030157	GGPS -Sardar Sohrab Khan Sarki	Thul				
6	412030051	GBPS-Muhammad Ayob Kehar	do				

	HIGH / HIGHER SECONADRY SCHOOLS						
	Package No.24			33.633	1.682	3000	4 Months
1	412020382	GGHS - ALLAN KHAN JAMALI @ JAT MUHALLA	J'abad				
2	412020396	GGHS - SINGLE SECTION JACOBABAD	do				
3	412020395	GGHS - JACOBABAD	J'abad				
4	412010383	GGHS - MUHAMMAD PUR ODHO	G'Khairo				
	Package No.25			32.380	1.619	3000	4 Months
1	412030760	GBHS - MUBARAK PUR	Thul				

	Construction Building for shelterless Primary Schools in Jacobabad. (2016-17- Programme)						
1		GBPS Muhammad Nawaz Jiskani	J'abad	4.200	0.210	3000	12 Months
2		GGPS Muhammad Qasim Mastoi at Channa Mohalla	J'abad	4.200	0.210	3000	12 Months

Rehabilitation / Improvement / Renovation and Provision of Missing Facilities in Primary / Elementary Schools in District Jacobabad. (2016-17 Programme)							
1		GBPS Khair U Din Lashari	Thull	1.850	0.093	3000	06 Months

Maintenance & Repair 2016-17 Program							
1		GBPS Ali Sher Jakhrani	G.Khairi	2.000	0.100	3000	4 Months


EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BIDDING DATA

This Section should be filled in by the Executive Engineer Education Works Division Jacobabad, before issuance of the Bidding Documents.

NIT No. EE/EWD/TC/ 1932

Dated: 21.02.2017

(a) Name of Procuring Agency

Executive Engineer, Education Works Division Jacobabad

(b) Brief Discription of Works

(c) Procuring Agency Address

Government High School Shikarpur Road Jacobabad

(d) Estimated Cost

(e) Amount of Bid Security

5% on Bid

(f) Period of Bid Validity (Days)

90 Days

(g) Security Deposit (i/c bid Security)

10%

(h) Percentage, if any, to be deducted from bills

(7.50% Income Tax) & (5% Security Deposit)

(i) Deadline for submission of bids along with time

12.03.2018 at 02:00 PM

(j) Venue, Time and Date of Bid Opening

13.01.2018 at 03:00 PM

(k) Time for completion from written order of commences

04 Months

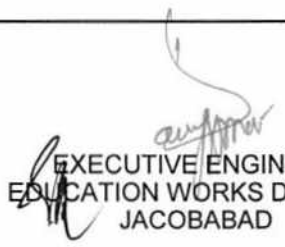
(L) Liquidity Demages

-

(m) Deposit Receipt _____ Date _____ Amount _____

(n) D.R No. _____ Date _____ Amount **Rs. 3000/-**

(o) Tender Issued to (Mr. / M/S)


EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD



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

NOTIFICATION

NO.SO(G) EDU/E&A/PRO-EW/14-15: In pursuance of Rule – 7 of the Sindh Public Procurement Rules, 2010, a Departmental Procurement Committee comprising of following Officers for procurement of works for various Educational Institutes / Offices / Line Departments working under Administrative Control of Education & Literacy Department to be procured under ADP / Regular Budget / SNE of Education Department is constituted as under:-

- | | |
|---|----------|
| 1. Executive Engineer (Education Works)
Concerned Education Works Division
Education & Literacy Department | Chairman |
| 2. Assistant Engineer
Local Government Public Health Engineering Department | Member |
| 3. 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) EDU/E&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 (G.A.)

NOTIFICATION

NO SO(G) EDUC&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 complaints 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 |

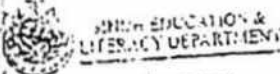
Tasks

- 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(G) EDUC&A/PRO-EW(CRC)/14-15:

A copy is forwarded for information & necessary action to:-
All Members of the Committee.
The P.S to Secretary, Education & Literacy Department.
Office Order File



DEPUTY SECRETARY (GA)

PROCUREMENT PLAN 2017-18

IN RESPECT OF EDUCATION WORKS DIVISION JACOBABAD

S.No	ADP No.	Name of Scheme	Estimated Cost	Source of Funds ADP / Non ADP	Proposed procurement method	Cost of New works	Funds for New works	Nature of procurement	Timing of procurement			
									1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
1	2	3	4	5	6	7	8	9	10	11	12	13

Rehabilitaion / Expansion of High Priority 4560-Schools @ District Jacobabad(Primary & Elemt: Schools.

Rehabilitaion / Expansion of High Priority 4560-Schools @ District Jacobabad(Primary & Elemt: Schools.

Package No.1	37.240	Provincial ADP	NCB	37.240	37.240	Package No.1	9.310	9.310	9.310	9.310
412020319	GBPS - POLICE HEAD QUARTER					412020319	GBPS - POLICE HEAD QUARTER			
412020241	GGPS - PHOOL BAGH					412020241	GGPS - PHOOL BAGH			
412020278	GGPS - JUMO DASTI					412020278	GGPS - JUMO DASTI			
Package No.2	33.104	Provincial ADP	NCB	33.104	33.104	Package No.2	8.276	8.276	8.276	8.276
412020101	GBPS - JACOBABAD (MAIN)					412020101	GBPS - JACOBABAD (MAIN)			
412020108	GBPS - HAMIDIA					412020108	GBPS - HAMIDIA			
Package No.3	39.099	Provincial ADP	NCB	39.099	39.099	Package No.3	9.775	9.775	9.775	9.775
412020102	GBPS - RAILWAY COLONY					412020102	GBPS - RAILWAY COLONY			
412020104	GBPS - SOOMRA MUHALLA					412020104	GBPS - SOOMRA MUHALLA			
412020148	GBPS - BUGHIA					412020148	GBPS - BUGHIA			
412020149	GBPS - HAWALDAR BROHI					412020149	GBPS - HAWALDAR BROHI			
412020105	GBPS - SPECIAL FORCE					412020105	GBPS - SPECIAL FORCE			
Package No.4	38.976	Provincial ADP	NCB	38.976	38.976	Package No.4	9.744	9.744	9.744	9.744
412020329	GBPS - MANGRIO					412020329	GBPS - MANGRIO			
412020254	GGPS - MUHAMMAD HAYAT PARK					412020254	GGPS - MUHAMMAD HAYAT PARK			
412020168	GBPS - QADIR PUR					412020168	GBPS - QADIR PUR			
412020324	GBPS - (GHARIB ABAD) USTAD GHULAM NABI SARKI					412020324	GBPS - (GHARIB ABAD) USTAD GHULAM NABI SARKI			
412020292	GBPS-Hussain Abad					412020292	GBPS-Hussain Abad			
412020240	GGPS- Master Muhamamd Ibrahim Jakhrani					412020240	GGPS- Master Muhamamd Ibrahim Jakhrani			
Package No.5	38.382	Provincial ADP	NCB	38.382	38.382	Package No.5	9.596	9.596	9.596	9.596
412020136	GBPS - BANGLOW					412020136	GBPS - BANGLOW			
412020352	GBPS - SUHRAB KHAN JAKHRANI					412020352	GBPS - SUHRAB KHAN JAKHRANI			

S.No	ADP No.	Name of Scheme	Estimated Cost	Source of Funds ADP / Non ADP	Proposed procurement method	Cost of New works	Funds for New works	Nature of procurement	Timing of procurement			
									1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
1	2	3	4	5	6	7	8	9	10	11	12	13
		412020255 GGPS - PIR HAJAN SHAH						412020255 GGPS - PIR HAJAN SHAH				
		412020272 GGPS - BHALE DINO ABAD - I						412020272 GGPS - BHALE DINO ABAD - I				
		412020347 GBPS - RAMZAN PUR						412020347 GBPS - RAMZAN PUR				
		412020140 GBPS - ABAD						412020140 GBPS - ABAD				
		412020109 GBPS - MUHAMMAD KHAN SABAYO						412020109 GBPS - MUHAMMAD KHAN SABAYO				
		412020217 GBPS - CHANNA MOHALLA						412020217 GBPS - CHANNA MOHALLA				
		412020178 GBPS - MUHAMMAD MASOOD KHOSO						412020178 GBPS - MUHAMMAD MASOOD KHOSO				
		Package No.6	39.178	Provincial ADP	NCB	39.178	39.178	Package No.6	9.795	9.795	9.795	9.795
		412020291 GBPS- Mengal Brohi						412020291 GBPS- Mengal Brohi				
		412020297 GBPS-Sabzal khoso						412020297 GBPS-Sabzal khoso				
		412020234 GGLSS - FAIMLY LINE						412020234 GGLSS - FAIMLY LINE				
		412020293 GBPS-Hamid Khan Lashari						412020293 GBPS-Hamid Khan Lashari				
		412020364 GBPS- Haji Akhtar Hussain Khoso						412020364 GBPS- Haji Akhtar Hussain Khoso				
		412020209 GBPS Muhammad Umar Soomro						412020209 GBPS Muhammad Umar Soomro				
		412020281 GGPS-Gulab Machhi						412020281 GGPS-Gulab Machhi				
		Package No.7	38.254	Provincial ADP	NCB	38.254	38.254	Package No.7	9.564	9.564	9.564	9.564
		412020223 GGLSS - RAILWAY COLONY						412020223 GGLSS - RAILWAY COLONY				
		412020259 GGPS - HAJI LAKHMIR						412020259 GGPS - HAJI LAKHMIR				
		412020266 GGPS - QADIR PUR - II (CMS)						412020266 GGPS - QADIR PUR - II (CMS)				
		412020106 GBPS - SHAIKH ABDUL HAKIM						412020106 GBPS - SHAIKH ABDUL HAKIM				
		412020354 GBPS - SOOFI PAHALWAN FAOIR						412020354 GBPS - SOOFI PAHALWAN FAQIR				
		412020008 GBPS-Altat Pechuho						412020008 GBPS-Altat Pechuho				
		412020128 GBPS Akil Pur						412020128 GBPS Akil Pur				
		Package No.8	38.967	Provincial ADP	NCB	38.967	38.967	Package No.8	9.742	9.742	9.742	9.742
		412020391 GBPS - HAMDARD						412020391 GBPS - HAMDARD				
		412020029 GBPS - MUHAMMAD SACHAL MUHANO						412020029 GBPS - MUHAMMAD SACHAL MUHANO				
		412020260 GGPS - GHABI DERO @ MUHAMMAD ALI BROHI						412020260 GGPS - GHABI DERO @ MUHAMMAD ALI BROHI				
		412020320 GBPS - GUL HASSAN BAHRANI						412020320 GBPS - GUL HASSAN BAHRANI				
		412020129 GBPS - MEHRAB PUR						412020129 GBPS - MEHRAB PUR				
		412020284 GBPS - BABOO MOHALLA						412020284 GBPS - BABOO MOHALLA				
		412020012 GBPS- Sher Muhamamd Wazirani						412020012 GBPS- Sher Muhamamd Wazirani				
		412020273 GGPS-Abdul Aziz Kharani						412020273 GGPS-Abdul Aziz Kharani				

S.No	ADP No.	Name of Scheme	Estimated Cost	Source of Funds ADP / Non ADP	Proposed procurement method	Cost of New works	Funds for New works	Nature of procurement	Timing of procurement			
									1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
1	2	3	4	5	6	7	8	9	10	11	12	13
		Package No.9	39.481	Provincial ADP	NCB	39.481	39.481	Package No.9	9.870	9.870	9.870	9.870
		412020127 GBPS - PECHOOHA						412020127 GBPS - PECHOOHA				
		412020224 GGPS - PECHOOHA						412020224 GGPS - PECHOOHA				
		412020282 GGPS - ADC COLONY						412020282 GGPS - ADC COLONY				
		412020139 GBPS - KAUREJA						412020139 GBPS - KAUREJA				
		412020207 GBPS - SHAHAL KHAN RAMDANI						412020207 GBPS - SHAHAL KHAN RAMDANI				
		412020016 GBPS - FAZAL MUHAMMAD KHARANI						412020016 GBPS - FAZAL MUHAMMAD KHARANI				
		412020286 GBLSS - KARIM ABAD @ ZARK KHAN DOMKI						412020286 GBLSS - KARIM ABAD @ ZARK KHAN DOMKI				
		412020325 GBPS-Gulab Machhi						412020325 GBPS-Gulab Machhi				
		412020326 GBPS-Jamal Abad						412020326 GBPS-Jamal Abad				
		Package No.10	39.117	Provincial ADP	NCB	39.117	39.117	Package No.10	9.779	9.779	9.779	9.779
		412010194 GBPS-Lakhmir Katohar						412010194 GBPS-Lakhmir Katohar				
		412010026 GBPS-Chutto lashari						412010026 GBPS-Chutto lashari				
		412020063 GBPS-Ahmedin Brohi						412020063 GBPS-Ahmedin Brohi				
		412010070 GBPS - MUHAMMAD PUR ODHO						412010070 GBPS - MUHAMMAD PUR ODHO				
		412010245 GBPS - DODA PUR						412010245 GBPS - DODA PUR				
		Package No.11	35.194	Provincial ADP	NCB	35.194	35.194	Package No.11	8.799	8.799	8.799	8.799
		412010230 GBPS - MUHAMMAD ROSHAN BROHI						412010230 GBPS - MUHAMMAD ROSHAN BROHI				
		412010313 GBPS - DAIM BROHI						412010313 GBPS - DAIM BROHI				
		412010134 GGPS - DODA PUR						412010134 GGPS - DODA PUR				
		412010079 GBPS - BUDHANI						412010079 GBPS - BUDHANI				
		412010043 GBPS - BUKHARI GARHI KHAIRO						412010043 GBPS - BUKHARI GARHI KHAIRO				
		Package No.12	30.961	Provincial ADP	NCB	30.961	30.961	Package No.12	7.740	7.740	7.740	7.740
		412010258 GBPS-Gous Abad @ Nao Goth Jakhro						412010258 GBPS-Gous Abad @ Nao Goth Jakhro				
		412010166 GBPS-Khalique Dad Brohi						412010166 GBPS-Khalique Dad Brohi				
		412010073 GBPS- Sheran Pur						412010073 GBPS- Sheran Pur				
		412010075 GBPS- Raban ji Wandh						412010075 GBPS- Raban ji Wandh				
		412010312 GBPS - PUNHOON BHATTI						412010312 GBPS - PUNHOON BHATTI				
		Package No.13	30.437	Provincial ADP	NCB	30.437	30.437	Package No.13	7.609	7.609	7.609	7.609
		412010239 GBPS - GARHI KHAIRO (MAIN)						412010239 GBPS - GARHI KHAIRO (MAIN)				
		412010067 GBPS - MIRAN PUR						412010067 GBPS - MIRAN PUR				
		412010155 GGPS - PUNHOON BHATTI						412010155 GGPS - PUNHOON BHATTI				
		412010113 GGPS - GULAB MARI						412010113 GGPS - GULAB MARI				
		Package No.14	34.947	Provincial ADP	NCB	34.947	34.947	Package No.14	8.737	8.737	8.737	8.737

S.No	ADP No.	Name of Scheme	Estimated Cost	Source of Funds ADP / Non ADP	Proposed procurement method	Cost of New works	Funds for New works	Nature of procurement	Timing of procurement			
									1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
1	2	3	4	5	6	7	8	9	10	11	12	13
		412030434 GBPS - SHAH BHITTAI THUL						412030434 GBPS - SHAH BHITTAI THUL				
		412030510 GBPS - SARDAR SOHRAB KHAN SARKI						412030510 GBPS - SARDAR SOHRAB KHAN SARKI				
		412030433 GBPS - THUL (MAIN)						412030433 GBPS - THUL (MAIN)				
		Package No.15	39.754	Provincial ADP	NCB	39.754	39.754	Package No.15	9.939	9.939	9.939	9.939
		412030425 GBPS - QAZI SARWER BUX DAYO						412030425 GBPS - QAZI SARWER BUX DAYO				
		412030555 GBPS - RAIS MUHAMMAD ANWER DAYO						412030555 GBPS - RAIS MUHAMMAD ANWER DAYO				
		412030494 GBPS - LAL BHATTI						412030494 GBPS - LAL BHATTI				
		412030426 GBPS - ABDUL QADIR SHAH						412030426 GBPS - ABDUL QADIR SHAH				
		412030528 GBPS - BAHADUR PUR						412030528 GBPS - BAHADUR PUR				
		Package No.16	40.282	Provincial ADP	NCB	40.282	40.282	Package No.16	10.071	10.071	10.071	10.071
		412030478 GBPS - MIRPUR BURIRO (SINDHI)						412030478 GBPS - MIRPUR BURIRO (SINDHI)				
		412030102 GGPS - THULL - II						412030102 GGPS - THULL - II				
		412030067 GBPS - BAHOO KHOSO						412030067 GBPS - BAHOO KHOSO				
		412030234 GBPS - MUHAMMAD SIDDIQUE						412030234 GBPS - MUHAMMAD SIDDIQUE				
		412030131 GGPS - QADIR DAD NOONARI						412030131 GGPS - QADIR DAD NOONARI				
		Package No.17	36.366	Provincial ADP	NCB	36.366	36.366	Package No.17	9.092	9.092	9.092	9.092
		412030172 GGPS - RANJHA PUR						412030172 GGPS - RANJHA PUR				
		412030585 GBPS - DILDAR PAHORE						412030585 GBPS - DILDAR PAHORE				
		412030611 GBPS - GHULAM MUHAMMAD SARKI						412030611 GBPS - GHULAM MUHAMMAD SARKI				
		412030628 GBPS - ZAFAR ABAD						412030628 GBPS - ZAFAR ABAD				
		412030610 GBPS - SHAMBO BROHI						412030610 GBPS - SHAMBO BROHI				
		412030385 GBPS -Muhammad Hassan						412030385 GBPS -Muhammad Hassan				
		Package No.18	37.127	Provincial ADP	NCB	37.127	37.127	Package No.18	9.282	9.282	9.282	9.282
		412030540 GBPS - BUXAN PAHORE						412030540 GBPS - BUXAN PAHORE				
		412030486 GBPS - RANJHA PUR						412030486 GBPS - RANJHA PUR				
		412030001 GBPS - HAJI ALI BUX SOOMRO						412030001 GBPS - HAJI ALI BUX SOOMRO				
		412030130 GGPS - THUL (MAIN)						412030130 GGPS - THUL (MAIN)				
		412030538 GBPS -Khan Muhammad pahore						412030538 GBPS -Khan Muhammad pahore				
		412030477 GBPS -Khan Kato						412030477 GBPS -Khan Kato				
		Package No.19	37.675	Provincial ADP	NCB	37.675	37.675	Package No.19	9.419	9.419	9.419	9.419
		412030052 GBPS - ABDUL QADIR KHOSO						412030052 GBPS - ABDUL QADIR KHOSO				

S.No	ADP No.	Name of Scheme	Estimated Cost	Source of Funds ADP / Non ADP	Proposed procurement method	Cost of New works	Funds for New works	Nature of procurement	Timing of procurement			
									1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
1	2	3	4	5	6	7	8	9	10	11	12	13
		412030679 GBPS - SACHAL KATTO						412030679 GBPS - SACHAL KATTO				
		412030438 GBPS - GULSHER KHAN KANRANI						412030438 GBPS - GULSHER KHAN KANRANI				
		412030291 GBPS - UMED ALI BROHI						412030291 GBPS - UMED ALI BROHI				
		412030563 GBPS -Abdul Ghani Shah						412030563 GBPS -Abdul Ghani Shah				
		412030155 GGPS -Madad pur						412030155 GGPS -Madad pur				
		Package No.20	36.819	Provincial ADP	NCB	36.819	36.819	Package No.20	9.205	9.205	9.205	9.205
		412030242 GBPS - MAZARI KHAN LASHARI						412030242 GBPS - MAZARI KHAN LASHARI				
		412030431 GBPS - RAHIM BUX NOONARI						412030431 GBPS - RAHIM BUX NOONARI				
		412030446 GBPS - WARIS DINO NOONARI						412030446 GBPS - WARIS DINO NOONARI				
		412030635 GBPS - HAMZO KHAN BURIRO (BR:)						412030635 GBPS - HAMZO KHAN BURIRO (BR:)				
		412030228 GGPS - SARDAR SOHRAB KHAN SARKI (CMS)						412030228 GGPS - SARDAR SOHRAB KHAN SARKI (CMS)				
		412030116 GGPS - ABDUL QADIR KHOSO						412030116 GGPS - ABDUL QADIR KHOSO				
		Package No.21	37.910	Provincial ADP	NCB	37.910	37.910	Package No.21	9.478	9.478	9.478	9.478
		412030248 GBPS - HABIB ULLAH NOONARI						412030248 GBPS - HABIB ULLAH NOONARI				
		412030048 GBPS - ZANGI PUR (OLD)						412030048 GBPS - ZANGI PUR (OLD)				
		412030106 GGPS - WARIS DINO NOONARI						412030106 GGPS - WARIS DINO NOONARI				
		412030590 GBPS - RAJO KHAN BANGLANI						412030590 GBPS - RAJO KHAN BANGLANI				
		412030541 GBPS - RAJAB ALI PAHORE						412030541 GBPS - RAJAB ALI PAHORE				
		412030086 GBPS - LAL BUX BURIRO						412030086 GBPS - LAL BUX BURIRO				
		Package No.22	36.331	Provincial ADP	NCB	36.331	36.331	Package No.22	9.083	9.083	9.083	9.083
		412030662 GBPS - MAHBOOB-JI-WANDH						412030662 GBPS - MAHBOOB-JI-WANDH				
		412030424 GBPS - ABDUL KHALIQUE NOONARI						412030424 GBPS - ABDUL KHALIQUE NOONARI				
		412030567 GBPS-Anees u Rahman						412030567 GBPS-Anees u Rahman				
		412030443 GBPS - CHANDAN						412030443 GBPS - CHANDAN				
		412030482 GBPS -Channa						412030482 GBPS -Channa				
		412030502 GBPS -Sikandar abad						412030502 GBPS -Sikandar abad				
		Package No.23	34.610	Provincial ADP	NCB	34.610	34.610	Package No.23	8.653	8.653	8.653	8.653
		412030579 GBPS - JAGAN CHANNO						412030579 GBPS - JAGAN CHANNO				
		412030200 GGPS - LAL BHATTI						412030200 GGPS - LAL BHATTI				
		412030040 GBPS-Uddi @ Anees u Rahman Srki						412030040 GBPS-Uddi @ Anees u Rahman Srki				

S.No	ADP No.	Name of Scheme	Estimated Cost	Source of Funds ADP / Non ADP	Proposed procurement method	Cost of New works	Funds for New works	Nature of procurement	Timing of procurement			
									1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
1	2	3	4	5	6	7	8	9	10	11	12	13
		412030294 GBPS-Mubarak Paore @ Noor Ahmed Brohi						412030294 GBPS-Mubarak Paore @ Noor Ahmed Brohi				
		412030157 GGPS -Sardar Sohrab Khan Sarki						412030157 GGPS -Sardar Sohrab Khan Sarki				
		412030051 GBPS-Muhammad Ayob Kehar						412030051 GBPS-Muhammad Ayob Kehar				
HIGH / HIGHER SECONADRY SCHOOLS									HIGH / HIGHER SECONADRY SCHOOLS			
		Package No.24	33.633	Provincial ADP	NCB	33.633	33.633	Package No.24	8.408	8.408	8.408	8.408
		412020382 GGHS - ALLAN KHAN JAMALI @ JAT MUHALLA						412020382 GGHS - ALLAN KHAN JAMALI @ JAT MUHALLA				
		412020396 GGHS - SINGLE SECTION JACOBABAD						412020396 GGHS - SINGLE SECTION JACOBABAD				
		412020395 GGHS - JACOBABAD						412020395 GGHS - JACOBABAD				
		412010383 GGHS - MUHAMMAD PUR ODHO						412010383 GGHS - MUHAMMAD PUR ODHO				
		Package No.25	32.380	Provincial ADP	NCB	32.380	32.380	Package No.25	8.095	8.095	8.095	8.095
		412030760 GBHS - MUBARAK PUR						412030760 GBHS - MUBARAK PUR				
		Construction Building for shelterless Primary Schools in Jacobabad (2016-17- Programme)						Construction Building for shelterless Primary Schools in Jacobabad (2016-17- Programme)				
1		GBPS Muhammad Nawaz Jiskani	4.200	Provincial ADP	NCB	4.200	4.200	GBPS Muhammad Nawaz Jiskani	1.050	1.050	1.050	1.050
2		GGPS Muhammad Qasim Mastoi at Channa Mohalla	4.200	Provincial ADP	NCB	4.200	4.200	GGPS Muhammad Qasim Mastoi at Channa Mohalla	1.050	1.050	1.050	1.050
Rehabilitation / Improvement / Renovation and Provision of Missing Facilities in Primary / Elementary Schools in District Jacobabad (2016-17 Programme)									Rehabilitation / Improvement / Renovation and Provision of Missing Facilities in Primary / Elementary Schools in District Jacobabad (2016-17 Programme)			
1		GBPS Khair U Din Lashari	1.850	Provincial ADP	NCB	1.850	1.850	GBPS Khair U Din Lashari	0.463	0.463	0.463	0.463
Maintenance & Repair 2016-17 Program									Maintenance & Repair 2016-17 Program			
1		GBPS Ali Sher Jakhrani	2.000	Provincial ADP	NCB	2.000	2.000	GBPS Ali Sher Jakhrani	0.500	0.500	0.500	0.500

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Police Head Quarter, GBPS Phool Bagh, GGPS Jumo Dasti TALUKA JACOBABAD. (PACKAGE 1)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	5758	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	313523
2	7756	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	99713
3	2476	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9362
4	2565	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	33521
5	14820	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	17932
6	2	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	284
7	3	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	309
8	13997	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	44458
9	3110	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	292846
10	3301	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	287020
11	12805	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1529987
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	775	<u>First Floor</u>	349.10	P.Cft	270553
14	380	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1901923
15	2603	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	29709
16	6849	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	10359
17	76145	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	276406
18	44192	Extra Lead for one Mile	579.41	%Cft	256053
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	3121	<u>First Floor</u>	13112.86	%Cft	409252
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	12395	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	81807
23	3712	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	111945
24	57888	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1277357
	6681	<u>First Floor</u>	2309.10	%Sft	154271
25	53888	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1184200
	6681	<u>First Floor</u>	2300.02	%Sft	153664
26	16866	Cement pointing stricking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	217140

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	852	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	195023
28	360	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	86580
29	235	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design i/c painting three coats etccomplete weightg not less than 3.7 lbs of finished grill (C.S.I No:26 P.93).	180.50	P.Sft	42418
30	1296	First class deodar wood wrought joinery in doors and windos etcified inosition i/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1170197
31	5262	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	172357
32	3316	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	62586
33	249	S/F Girder at Site of Work	3850.00	P.Cwt	958669
34	203	S/F T.Iron at Site of Work	3575.00	P.Cwt	724495
35	964	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	179260
36	5596	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	640373
37	7495	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	570163
38	1139	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	80186
39	2722	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	392764
40	2612	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	796915
41	48	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" i/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also i/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	18578
42	50	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	11301
43	872	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	50672
44	223	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	58259
45	19285	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	160056
46	43438	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	192322
47	81176	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	876417
48	27143	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	697019
49	6905	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	146138
50	11259	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	143083

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	6377	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	1186377
52	6188	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1385926
53	840	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	232501
54	1533	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	433126
55	9376	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	80624
56	190	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	337915
57	3437	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	151634
58	2612	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	81688
59		P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	163	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	118455
61	1050	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	55759
62	5600	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	4235
63	1516	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	722398
64	10868	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	144341
TOTAL :-					27130401

PART "B"

1	30	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	144078
2	28	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	119104
3	28	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	26277
4	12	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	3247
5	52	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	23252

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	28	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	33409
7	52	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	17331
8	0	RCC pipe with colar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	540	4" dia	146.57	P.Rft	79148
	540	6" dia	199.25	P.Rft	107595
9	64	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	130716
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1860	1/2" dia	73.21	P.Rft	136171
ii	1346	3/4" dia	95.79	P.Rft	128933
iii	735	1" dia	128.55	P.Rft	94484
iv	250	1 1/2" dia	153.19	P.Rft	38298
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	720	1/2" dia	7.82	P.Rft	5630
	420	3/4" dia	8.45	P.Rft	3549
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	28	1/2" dia	161.92	Each	4534
	30	3/4 dia	227.92	Each	6838
13	14	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	12289
14	10	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	8895
15	64	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	30610
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	16	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloer, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	129958
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	18	3/4" dia	271.92	Each	4895
iii	12	1" dia	365.42	Each	4385
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	21	250 Gallon	21989.61	Each	461782
22	8	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1612
23	8	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	2703
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	3	3/4" dia	271.92	Each	816
25	745	Boring for Tube Well	160.00	Each	119200

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	415	3"dia	137.00	Each	56855
	415	4"dia	226.00	Each	93790
			TOTAL :-		2174877

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	10831	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	8	S/F Chiiler for Cold water i/c Stablizer		Each	
3	8	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
			TOTAL :-		

Cost of Bid

Amount Position

- (A) Cost Based on Composite Schedule of Rates
 - (B) Cost Based on Non/Offered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
SUKKUR

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Jacobabad (Main), GBPS Hamidia Taluka Jacobabad. (PACKAGE NO. 2)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	2750	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	149738
2	5858	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	75312
3	2243	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	8481
4	4629	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	60492
5	9974	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	12069
6	6	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	853
7	9	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	926
8	15650	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	49708
9	2794	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	263091
10	4482	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389708
11	11462	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1369521
12	4525	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	1524925
13	0	<u>First Floor</u>	349.10	P.Cft	0
14	247	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1234144
15	8320	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	94952
16	3399	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	5141
17	3212	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	11660
18	3212	Extra Lead for one Mile	579.41	%Cft	18611
19	11727	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1486322
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	5433	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	670793
22	9938	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	65591
23	9938	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	299706
24	39835	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	878999
	0	<u>First Floor</u>	2309.10	%Sft	0
25	39835	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	875382
	0	<u>First Floor</u>	2300.02	%Sft	0
26	17908	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	230555

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design i/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	500	First class deodar wood wrought joinery in doors and windos etcfied inosition i/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	451465
31	3824	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	125255
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	239	S/F Girder at Site of Work	3850.00	P.Cwt	922063
34	1016	S/F T.Iron at Site of Work	3575.00	P.Cwt	3632869
35	396	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	73716
36	10007	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1145065
37	593	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	45111
38	1375	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	96800
39	1753	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	252945
40	1720	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	524768
41	315	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" i/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also i/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	121918
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	840	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	48812
44	210	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	54863
45	11761	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	97610
46	43955	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	194611
47	52753	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	569548
48	17532	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	450213
49	16648	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	352340
50	10607	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	134797

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	3304	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	614676
52	3163	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	708417
53	170	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	47054
54	253	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	71481
55	10045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	86377
56	230	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	409055
57	3216	Providing and laying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	141884
58	3593	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	112368
59	2327	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	521178
60	2673	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	1942523
61	860	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	45669
62	0	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	0
63	0	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	0
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
			TOTAL :-		23956269

PART "B"

1	22	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	105657
2	18	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	76567
3	18	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	16892
4	2	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	541
5	36	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16097

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	18	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	21477
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortar 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	400	4" dia	146.57	P.Rft	58628
	400	6" dia	199.25	P.Rft	79700
9	28	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	57188
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1280	1/2" dia	73.21	P.Rft	93709
ii	986	3/4" dia	95.79	P.Rft	94449
iii	530	1" dia	128.55	P.Rft	68132
iv	230	1 1/2" dia	153.19	P.Rft	35234
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	770	1/2" dia	7.82	P.Rft	6021
	470	3/4" dia	8.45	P.Rft	3972
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	22	1/2" dia	161.92	Each	3562
	23	3/4 dia	227.92	Each	5242
13	6	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	5267
14	2	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	1779
15	60	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	28697
16	20	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	22189
17	10	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	28820
18	10	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	7953
19	12	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloer, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	97469
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	18	3/4" dia	271.92	Each	4895
iii	12	1" dia	365.42	Each	4385
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c I:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	17	250 Gallon	21989.61	Each	373823
22	2	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	403
23	2	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	676
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	0	3/4" dia	271.92	Each	0
25	355	Boring for Tube Well	160.00	Each	56800

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	195	3"dia	137.00	Each	26715
	180	4"dia	226.00	Each	40680
TOTAL :-					1517359

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	10449	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	3	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

1. (A) Cost Based on Composite Schedule of Rates
 2. (B) Cost Based on Non/Offèred Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
SUKKUR

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Railway Colony, GBPS Soomra Mohalla, GBPS Bhugia, GBPS Hawaldar Brohi, GBPS Special Force Taluka Jacobabad (PACKAGE 3)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	2426	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	132096
2	3886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	49960
3	2588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9786
4	6475	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	84615
5	10110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	12233
6	0	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	0
7	0	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	0
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5).	3176.25	%0Cft	66400
9	5428	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	53035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1170270
	0	<u>First Floor</u>	2309.10	%Sft	0
25	50931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1119219
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design I/c painting three coats etccomplete weightg not less than 3.7 lbs of finished grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	500	First class deodar wood wrought joinery in doors and windos etcified inosition I/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	451465
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	180120
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" I/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also I/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	6326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1416834
53	190	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	52589
54	0	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	0
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and laying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	5080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	269766
62	2610	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	0	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	0
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
			TOTAL :-		30244223

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4 dia	227.92	Each	6154
13	8	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	19	250 Gallon	21989.61	Each	417803
22	0	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	0
23	0	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	0
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or 400ft. (S.I.No:3 Page No:23)			
	140	3" dia	137.00	Each	19180
	140	4" dia	226.00	Each	31640
TOTAL :-					1616235

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	7129	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

1. (A) Cost Based on Composite Schedule of Rates
 2. (B) Cost Based on Non/Offered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Mangrio, GGPS Muhammad Hayat Park, GBPS Qadirpur, GBPS (Gharibabad) Ustad Ghulam Nabi Sarki, GBPS Hussainabad, GGPS Master Muhammad Ibrahim Jakhrani Taluka Jacobabad (PACKAGE 4)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	2426	Dismantling cement concrete rainforced separating raiforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	%Cft	132096
2	3886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	49960
3	2588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9786
4	6475	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	84615
5	10110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	12233
6	0	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	0
7	0	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	0
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	66400
9	5428	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	53035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1170270
	0	<u>First Floor</u>	2309.10	%Sft	0
25	50931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1119219
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	500	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hinges iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	451465
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42).	3275.50	%Sft	180120
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	580	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	131092
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	6326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1416834
53	1280	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	354287
54	2233	White glazed tile 1/4" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	630901
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (C.S.I No:23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and laying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	5080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	269766
62	2610	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	0	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	0
64	1990	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. One coats (C.S.I No. 38 (c) P. No. 56)	1328.13	%Sft	26430
				TOTAL :-	31307913

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with collar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4 dia	227.92	Each	6154
13	8	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	19	250 Gallon	21989.61	Each	417803
22	0	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	0
23	0	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	0
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or 400ft. (S.I.No:3 Page No:23)			
	140	3"dia	137.00	Each	19180
	140	4"dia	226.00	Each	31640
TOTAL :-					1616235

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	7129	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

1. (A) Cost Based on Composite Schedule of Rates
 2. (B) Cost Based on Non/Offered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Banglow, GBPS Suhrab Khan Jakhrani, GGPS Pir Hajan Shah, GGPS Bhale Dinoabad-I, GBPS Ramzanpur, GBPS Abad, GBPS Muhammad Khyan Sabayo, GBPS Channa Mohalla, GBPS Muhammad Masood Khoso Taluka Jacobabad (PACKAGE 5)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	2426	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	%Cft	132096
2	3886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	49960
3	2588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9786
4	6475	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	84615
5	10110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	12233
6	0	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	0
7	0	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	0
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	66400
9	5428	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	53035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1170270
	0	<u>First Floor</u>	2309.10	%Sft	0
25	50931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1119219
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design i/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	500	First class deodar wood wrought joinery in doors and windos etefied inosition i/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	451465
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	180120
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" i/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also i/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	580	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	131092
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	6326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1416834
53	1280	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	354287
54	2233	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	630901
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	5080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	269766
62	2610	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	0	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	0
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
				TOTAL :-	31307913

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4" dia	227.92	Each	6154
13	8	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	19	250 Gallon	21989.61	Each	417803
22	0	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	0
23	0	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	0
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	140	3"dia	137.00	Each	19180
	140	4"dia	226.00	Each	31640
TOTAL :-					1616235

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	7129	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

1. (A) Cost Based on Composite Schedule of Rates
 2. (B) Cost Based on Non/Offered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Mengal Brohi, GBPS Sabzal Khoso, GGLSS Family Line, GBPS Hamid Khan Lashari, GBPS Haji Akhtar Hussain Khoso, GBPS Muhammad Umar Soomro, GGPS Gulab Machhi Taluka Jacobabad (PACKAGE 6)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	2426	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	132096
2	3886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	49960
3	2588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9786
4	6475	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	84615
5	10110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	12233
6	8	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	1137
7	18	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	1851
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5).	3176.25	%0Cft	66400
9	5428	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepretely this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	53035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1170270
	0	<u>First Floor</u>	2309.10	%Sft	0
25	50931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1119219
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finished grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	1280	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1155750
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	180120
32	5499	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	103788
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	580	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	131092
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	6326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1416834
53	1280	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	354287
54	2233	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	630901
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	5080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	269766
62	2610	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	1280	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	609940
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
TOTAL :-					32728915

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with colar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh	-		
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete	-		
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4 dia	227.92	Each	6154
13	8	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	19	250 Gallon	21989.61	Each	417803
22	0	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	0
23	0	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	0
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	140	3"dia	137.00	Each	19180
	140	4"dia	226.00	Each	31640
			TOTAL :-		1616235

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	8824	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
			TOTAL :-		

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GGLSS Railway Colony, GGPS Haji Lakhmir, GGPS Qadirpur-II (CMS), GBPS Shaikh Abdul Hakim, GBPS Altaf Pechoho, GBPS Akil Pur (PACKAGE 7)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	2426	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	132096
2	3886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	49960
3	2588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9786
4	6475	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	84615
5	10110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	12233
6	8	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	1137
7	18	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	1851
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5).	3176.25	%0Cft	66400
9	5428	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	54035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1192336
	0	<u>First Floor</u>	2309.10	%Sft	0
25	51931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1141194
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design I/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	1280	First class deodar wood wrought joinery in doors and windos etcied inosition I/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1155750
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	180120
32	5499	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	103788
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" I/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also I/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	580	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	131092
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	6326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1416834
53	1280	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	354287
54	2233	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	630901
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	2080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	110455
62	2610	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	280	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	133424
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
			TOTAL :-		32137131

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

*Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with colar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4 dia	227.92	Each	6154
13	8	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	19	250 Gallon	21989.61	Each	417803
22	0	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	0
23	0	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	0
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	140	3"dia	137.00	Each	19180
	140	4"dia	226.00	Each	31640
			TOTAL :-		1616235

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	8824	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
			TOTAL :-		

Cost of Bid

Amount Position

1. (A) Cost Based on Composite Schedule of Rates
 2. (B) Cost Based on Non/Offired Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Hamdard, GBPS Muhammad Sachal Muhano, GGPS Gahbi Dero @ Muhammad Ali Brohi, GBPS Gul Hassan Bahrani, GBPS Mehrabpur, GBPS Baboo Mohalla, GBPS Sher Muhammad Wazirai, GGPS Abdul Aziz Kharani Taluka Jacobabad (PACKAGE 8)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	2582	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	%Cft	140590
2	2886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	37103
3	3588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	13567
4	5375	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	70241
5	9110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	11023
6	8	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	1137
7	18	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	1851
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	66400
9	5428	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	54035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1192336
	0	<u>First Floor</u>	2309.10	%Sft	0
25	51931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1141194
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	1280	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1155750
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	180120
32	5499	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	103788
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	580	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	131092
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	6326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1416834
53	1280	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	354287
54	2233	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	630901
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	2080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	110455
62	2610	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	280	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	133424
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
				TOTAL :-	32120965

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortar 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4 dia	227.92	Each	6154
13	8	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21		P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	10	250 Gallon	21989.61	Each	219896
22	5	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1008
23	5	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	1690
24		P/F handle values (China) (S.I No:7 P-No:14).			
i	5	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	10	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	147480
27		Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	240	3"dia	137.00	Each	32880
	240	4"dia	226.00	Each	54240
			TOTAL :-		1531065

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	9922	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
			TOTAL :-		

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Pechooha, GGPS Pechooha, GGPS ADC Colony, GBPS Kaureja, GBPS Shahal Khan Ramdani, GBPS Fazal Muhammad Kharani, GBLSS Karimabad @ Zark Khan Domki, GBPS Gulab Machi, GBPS Jamalabad Taluka Jacobabad (PACKAGE 9)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	2582	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	140590
2	2886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	37103
3	3588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	13567
4	5375	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	70241
5	9110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	11023
6	8	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	1137
7	18	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	1851
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%OCft	66400
9	5428	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%OCft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%OCft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	54035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1192336
	0	<u>First Floor</u>	2309.10	%Sft	0
25	51931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1141194
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etcomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	1280	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1155750
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	180120
32	5499	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	103788
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and aptern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	580	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	131092
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	6326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1416834
53	1280	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	354287
54	2233	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	630901
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	2080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	110455
62	2610	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	280	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	133424
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
			TOTAL :-		32120965

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4" dia	227.92	Each	6154
13	8	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21		P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18)			
ii	10	250 Gallon	21989.61	Each	219896
22	5	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1008
23	5	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	1690
24		P/F handle values (China) (S.I No:7 P-No:14).			
i	5	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	10	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	147480
27		Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	240	3"dia	137.00	Each	32880
	240	4"dia	226.00	Each	54240
TOTAL :-					1531065

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	9922	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Lakhmir Katohar, GBPS Chutto Lashari, GBPS Ahmedin Brohi, GBPS Muhammad Pur Odho, GBPS Dodapur Taluka Garhi Khairo (PACKAGE 10)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	2582	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	140590
2	2886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	37103
3	3588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	13567
4	5375	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	70241
5	9110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	11023
6	8	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	1137
7	18	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	1851
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5).	3176.25	%0Cft	66400
9	5428	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	54035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1192336
	0	<u>First Floor</u>	2309.10	%Sft	0
25	51931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1141194
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	1280	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1155750
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	180120
32	5499	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	103788
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	580	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	131092
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	6326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1416834
53	1280	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	354287
54	2233	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	630901
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	2080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	110455
62	2610	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	280	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	133424
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
TOTAL :-					32120965

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thimble. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with collar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4 dia	227.92	Each	6154
13	8	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21		P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	10	250 Gallon	21989.61	Each	219896
22	5	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1008
23	5	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	1690
24		P/F handle values (China) (S.I No:7 P-No:14).			
i	5	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	10	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	147480
27	-	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or 400ft. (S.I.No:3 Page No:23)			
	300	3"dia	137.00	Each	41100
	300	4"dia	226.00	Each	67800
TOTAL :-					1552845

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS


1	8922	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

1. (A) Cost Based on Composite Schedule of Rates
 2. (B) Cost Based on Non/Offered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR


 * EXECUTIVE ENGINEER
 EDUCATION WORKS DIVISION
 JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Muhammad Roshan Brohi, GBPS Daim Brohi, GGPS Doda Pur, GBPS Budhani, GBPS Bukhari Garhi Khairo Taluka Garhi Khairo. (PACKAGE NO. 11)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	4856	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	264409
2	8165	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	104972
3	2567	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9707
4	3832	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	50077
5	8514	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	10302
6	0	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	0
7	0	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	0
8	15995	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	50804
9	4321	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	406877
10	3942	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	342755
11	14751	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1762503
12	5804	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	1955948
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	309	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1545055
15	8032	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	91665
16	4761	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	7201
17	26907	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	97672
18	25819	Extra Lead for one Mile	579.41	%Cft	149598
19	20678	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	2620804
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7276	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	898342
22	6426	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	42412
23	7332	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	221116
24	63692	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1405428
	0	<u>First Floor</u>	2309.10	%Sft	0
25	62212	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1367121
	0	<u>First Floor</u>	2300.02	%Sft	0
26	25134	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	323585

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	963	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	220431
28	599	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	144060
29	724	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design I/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	130682
30	1071	First class deodar wood wrought joinery in doors and windos etcified inosition I/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	967038
31	4424	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	144908
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	313	S/F Girder at Site of Work	3850.00	P.Cwt	1206459
34	230	S/F T.Iron at Site of Work	3575.00	P.Cwt	822164
35	546	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	101641
36	7874	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	900983
37	7214	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	548787
38	1030	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	72512
39	2380	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	343416
40	2222	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	677927
41	315	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" I/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also I/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	121918
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	944	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	54856
44	257	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	67141
45	14673	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	121779
46	56249	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	249042
47	73031	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	788479
48	23839	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	612174
49	17827	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	377292
50	11035	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	140236

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5322	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of exiting plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	990105
52	9213	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	2063436
53	95	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	26295
54	0	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	0
55	3457	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	29727
56	300	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	533550
57	1396	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	61589
58	2799	Errection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	87536
59	700	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	156779
60	87	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	63225
61	4220	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	224097
62	317	Scrapign white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	240
63	0	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a bases 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	0
64	2816	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	37400
				TOTAL :-	26938091

PART "B"

1	28	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	134473
2	25	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	106343
3	25	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	23462
4	8	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	2165
5	50	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	22358

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	25	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	29829
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with colar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	490	4" dia	146.57	P.Rft	71819
	490	6" dia	199.25	P.Rft	97633
9	50	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	102122
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1790	1/2" dia	73.21	P.Rft	131046
ii	1327	3/4" dia	95.79	P.Rft	127113
iii	780	1" dia	128.55	P.Rft	100269
iv	235	1 1/2" dia	153.19	P.Rft	36000
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	820	1/2" dia	7.82	P.Rft	6412
	470	3/4" dia	8.45	P.Rft	3972
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	28	1/2" dia	161.92	Each	4534
	32	3/4 dia	227.92	Each	7293
13	12	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	10534
14	8	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	7116
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	20	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	22189
17	10	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	28820
18	10	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	7953
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	20	3/4" dia	271.92	Each	5438
iii	13	1" dia	365.42	Each	4750
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c I:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	21	250 Gallon	21989.61	Each	461782
22	8	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1612
23	8	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	2703
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	620	Boring for Tube Well	160.00	Each	99200

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or 400ft. (S.I.No:3 Page No:23)			
	295	3" dia	137.00	Each	40415
	295	4" dia	226.00	Each	66670
TOTAL :-					1986272

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	7479	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	7	S/F Chiiler for Cold water i/c Stablizer		Each	
3	5	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Gous abad @ Nao Goth Jakhro, GBPS Khaliq Dad Brohi, GBPS Sheranpur, GBPS Raban Ji Wandh GBPS Punhoon Bhatti Taluka Garhi Khairo. (PACKAGE NO. 12)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	4594	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	250143
2	3416	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	43917
3	2776	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	10497
4	3592	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	46940
5	24966	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	30209
6	12	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	1706
7	20	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	2057
8	18782	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	59656
9	6108	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	575146
10	5806	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	504829
11	14072	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1681373
12	8480	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2857760
13	0	<u>First Floor</u>	349.10	P.Cft	0
14	454	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	2272201
15	0	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	0
16	7406	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	11202
17	11275	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	40928
18	11275	Extra Lead for one Mile	579.41	%Cft	65328
19	14380	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1822573
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	4773	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	589306
22	4524	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	29858
23	0	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	0
24	46468	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1025363
	0	<u>First Floor</u>	2309.10	%Sft	0
25	46136	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1013848
	0	<u>First Floor</u>	2300.02	%Sft	0
26	13372	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	172156

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	696	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	159314
28	1770	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	425685
29	1720	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	310460
30	1959	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1768840
31	4377	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	143369
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	187	S/F Girder at Site of Work	3850.00	P.Cwt	720212
34	148	S/F T.Iron at Site of Work	3575.00	P.Cwt	530223
35	335	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	62394
36	500	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	57216
37	2370	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	180292
38	810	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	57024
39	3112	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	449038
40	3974	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	1212458
41	0	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	0
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	1248	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	72521
44	82	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	21423
45	23218	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	192698
46	31136	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	137855
47	78608	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	848691
48	26802	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	688262
49	2668	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	56466
50	8770	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	111452

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	2916	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	542493
52	3326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	744924
53	6240	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	1727150
54	0	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	0
55	6480	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	55722
56	200	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	355700
57	360	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	15883
58	810	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	25332
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	2584	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	137219
62	0	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	0
63	0	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	0
64	0	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	0
				TOTAL :-	24963095

PART "B"

1	16	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	76842
2	16	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	68059
3	16	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	15016
4	12	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	3247
5	32	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	14309

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	16	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	19091
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	290	4" dia	146.57	P.Rft	42505
	290	6" dia	199.25	P.Rft	57783
9	28	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	57188
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	810	1/2" dia	73.21	P.Rft	59300
ii	660	3/4" dia	95.79	P.Rft	63221
iii	460	1" dia	128.55	P.Rft	59133
iv	140	1 1/2" dia	153.19	P.Rft	21447
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	700	1/2" dia	7.82	P.Rft	5474
	350	3/4" dia	8.45	P.Rft	2958
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	26	1/2" dia	161.92	Each	4210
	30	3/4 dia	227.92	Each	6838
13	12	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	10534
14	12	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	10674
15	52	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	24871
16	14	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	15532
17	7	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	20174
18	7	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	5567
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	13	3/4" dia	271.92	Each	3535
iii	7	1" dia	365.42	Each	2558
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	20	250 Gallon	21989.61	Each	439792
22	10	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	2015
23	12	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	4055
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	0	3/4" dia	271.92	Each	0
25	630	Boring for Tube Well	160.00	Each	100800

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	200	3"dia	137.00	Each	27400
	200	4"dia	226.00	Each	45200
TOTAL :-					1476779

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	4316	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	4	S/F Chiiler for Cold water i/c Stablizer		Each	
3	4	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

1. (A) Cost Based on Composite Schedule of Rates
 2. (B) Cost Based on Non/Offered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
SUKKUR

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Garhi Khairo (Main), GBPS Miranpur, GGPS Punhoon Bhatti, GGPS Gulab Mari Taluka Garhi Khairo. (PACKAGE NO. 13)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	4314	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	234897
2	5112	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	65721
3	6922	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	26174
4	1990	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	26005
5	14332	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	17342
6	0	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	0
7	0	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	0
8	4858	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	15430
9	1066	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	100378
10	2476	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	215287
11	5464	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	652858
12	2942	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepretey this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	991454
13	0	<u>First Floor</u>	349.10	P.Cft	0
14	149	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	747064
15	2182	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	24902
16	2830	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	4280
17	40748	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	147915
18	40748	Extra Lead for one Mile	579.41	%Cft	236098
19	11658	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1477577
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	2844	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	351139
22	10156	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67030
23	0	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	0
24	59440	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1311603
	0	<u>First Floor</u>	2309.10	%Sft	0
25	59440	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1306206
	0	<u>First Floor</u>	2300.02	%Sft	0
26	10844	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	139610

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	1352	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	309473
28	724	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	174122
29	592	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	106856
30	2014	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1818501
31	5088	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	166657
32	3432	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	64776
33	230	S/F Girder at Site of Work	3850.00	P.Cwt	886832
34	223	S/F T.Iron at Site of Work	3575.00	P.Cwt	796853
35	454	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	84511
36	7376	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	844044
37	7502	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	570696
38	0	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	0
39	1986	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	286565
40	3506	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	1069673
41	0	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	0
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	848	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	49277
44	68	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	17765
45	16896	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	140228
46	10750	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	47596
47	64462	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	695964
48	18696	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	480104
49	7138	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	151069
50	9730	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	123652

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	6842	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	1272886
52	13342	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	2988208
53	6400	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	1771436
54	0	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	0
55	0	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	0
56	0	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	0
57	0	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	0
58	640	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	20015
59	360	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	80629
60	152	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	110461
61	0	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	0
62	0	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	0
63	192	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	91491
64	24500	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	325392
				TOTAL :-	23704702

PART "B"

1	14	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	67236
2	13	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	55298
3	11	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	10323
4	6	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	1624
5	24	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	10732

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	15	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	17898
7	2	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	667
8	0	RCC pipe with collar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	210	4" dia	146.57	P.Rft	30780
	230	6" dia	199.25	P.Rft	45828
9	44	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	89867
10	8	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	790	1/2" dia	73.21	P.Rft	57836
ii	763	3/4" dia	95.79	P.Rft	73088
iii	465	1" dia	128.55	P.Rft	59776
iv	185	1 1/2" dia	153.19	P.Rft	28340
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	350	1/2" dia	7.82	P.Rft	2737
	200	3/4" dia	8.45	P.Rft	1690
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	12	1/2" dia	161.92	Each	1943
	14	3/4 dia	227.92	Each	3191
13	6	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	5267
14	6	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	5337
15	30	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	14348
16	12	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	13314
17	4	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	11528
18	4	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	3181
19	6	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	48734
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	6	3/4" dia	271.92	Each	1632
iii	4	1" dia	365.42	Each	1462
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	9	250 Gallon	21989.61	Each	197906
22	5	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1008
23	6	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	2028
24	2	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	0	3/4" dia	271.92	Each	0
25	260	Boring for Tube Well	160.00	Each	41600

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	2	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	200	3"dia	137.00	Each	27400
	185	4"dia	226.00	Each	41810
			TOTAL :-		1049145

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	4396	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	4	S/F Chiiler for Cold water i/c Stablizer		Each	
3	4	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
			TOTAL :-		

Cost of Bid

Amount Position

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

2. (B) Cost Based on Non/Offèred Schedule of Rates

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Shah Bhattai Thul, GBPS Sardar Sohrab Khan Sarki, GBPS Thul (Main) Taluka Thul. (PACKAGE 14)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	4276	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	%Cft	232828
2	6697	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	86099
3	2586	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9778
4	4383	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	57277
5	13592	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	16446
6	0	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	0
7	0	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	0
8	18599	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5).	3176.25	%0Cft	59075
9	2890	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	272130
10	4327	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	376230
11	15811	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1889155
12	5273	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage (C.S.I No:6 A (I) P.17).	337.00	P.Cft	1777001
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	294	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1471225
15	8032	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	91665
16	3755	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	5679
17	74484	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	270377
18	43234	Extra Lead for one Mile	579.41	%Cft	250502
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (c) Page No: 22)	12346.65	%Cft	963039
22	11504	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	75926
23	7332	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	221116
24	58671	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1294634
	0	<u>First Floor</u>	2309.10	%Sft	0
25	52567	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1155170
	0	<u>First Floor</u>	2300.02	%Sft	0
26	19545	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	251630

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	652	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	149243
28	260	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	62530
29	185	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	33393
30	1046	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	944465
31	5447	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	178416
32	1716	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	32388
33	258	S/F Girder at Site of Work	3850.00	P.Cwt	993404
34	1045	S/F T.Iron at Site of Work	3575.00	P.Cwt	3735746
35	957	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	177955
36	6173	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	706336
37	5794	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	440764
38	1569	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110458
39	3007	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	433888
40	2301	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	702030
41	315	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	121918
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	824	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47883
44	240	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	62700
45	15686	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	130186
46	30967	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	137106
47	65469	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	706836
48	20180	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	518212
49	17036	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	360552
50	8455	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	107449

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	4912	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	913828
52	6531	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1462748
53	335	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	92724
54	0	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	0
55	7553	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	64948
56	210	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	373485
57	1605	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	70810
58	3311	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	103549
59		P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	163	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	118455
61	317	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	16834
62	0	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	0
63	96	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	45745
64	9754	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	129546
TOTAL :-					26850063

PART "B"

1	32	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	153683
2	29	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	123357
3	29	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	27216
4	10	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	2706
5	54	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	24146

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	29	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	34602
7	2	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	667
8	0	RCC pipe with collar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	560	4" dia	146.57	P.Rft	82079
	560	6" dia	199.25	P.Rft	111580
9	60	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	122546
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	2070	1/2" dia	73.21	P.Rft	151545
ii	1528	3/4" dia	95.79	P.Rft	146367
iii	825	1" dia	128.55	P.Rft	106054
iv	255	1 1/2" dia	153.19	P.Rft	39063
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	920	1/2" dia	7.82	P.Rft	7194
	520	3/4" dia	8.45	P.Rft	4394
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	32	1/2" dia	161.92	Each	5181
	36	3/4 dia	227.92	Each	8205
13	18	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	15800
14	10	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	8895
15	72	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	34436
16	22	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	24408
17	11	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	31702
18	11	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	8748
19	16	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	129958
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	21	3/4" dia	271.92	Each	5710
iii	14	1" dia	365.42	Each	5116
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	24	250 Gallon	21989.61	Each	527751
22	8	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1612
23	8	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	2703
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	2	3/4" dia	271.92	Each	544
25	725	Boring for Tube Well	160.00	Each	116000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamber for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	345	3"dia	137.00	Each	47265
	345	4"dia	226.00	Each	77970
			TOTAL :-		2262945

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	8673	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	8	S/F Chiiler for Cold water i/c Stablizer		Each	
3	6	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
			TOTAL :-		

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Qazi Sarwar Bux Dayo, GBPS Rais Muhammad Anwar Dayo, GBPS Ial Bhatti, GBPS Abdul Qadir Shah, GBPS Bahadurpur Taluka Thul. (PACKAGE 15)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	2426	Dismantling cement concrete reinforced separating raiforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	%Cft	132096
2	3886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	49960
3	2588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9786
4	6475	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	84615
5	10110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	12233
6	0	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	0
7	0	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	0
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	66400
9	5428	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (I) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (c) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	53035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1170270
	0	<u>First Floor</u>	2309.10	%Sft	0
25	50931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1119219
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	500	First class deodar wood wrought joinery in doors and windos etcied inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	451465
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42).	3275.50	%Sft	180120
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	6326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1416834
53	1280	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	354287
54	2533	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	715661
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	5080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	269766
62	2610	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	1590	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	757660
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
				TOTAL :-	32019242

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with colar class "B" and didding the traches to the required depth an fixing in positin 1/c cutting fitting and jointing with max phalt composition and cemen mortar 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & 1/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and 1/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting 1/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4" dia	227.92	Each	6154
13	8	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces 1/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified 1/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	19	250 Gallon	21989.61	Each	417803
22	0	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	0
23	0	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	0
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	500	3"dia	137.00	Each	68500
	400	4"dia	226.00	Each	90400
			TOTAL :-		1724315

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	9129	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
			TOTAL :-		

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
SUKKUR

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Mirpur Buriro (Sindhi0, GGPS Thul-II, GBPS Bahoo Khoso, GBPS Muhammad Siddique, GGPS Qadir Dad Noonari Taluka Thul. (PACKAGE 16)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	2426	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	132096
2	3886	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	49960
3	2588	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9786
4	6475	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	84615
5	10110	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	12233
6	0	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	0
7	0	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	0
8	20905	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	66400
9	5428	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	511116
10	4475	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	389099
11	15575	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1860957
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (I) P.17).	337.00	P.Cft	2228244
13	349	<u>First Floor</u>	349.10	P.Cft	121836
14	322	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1611323
15	13101	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	149515
16	5908	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8936
17	5819	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	21123
18	5819	Extra Lead for one Mile	579.41	%Cft	33716
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	10254	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	67676
23	11160	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	336559
24	53035	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1170270
	0	<u>First Floor</u>	2309.10	%Sft	0
25	50931	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1119219
	0	<u>First Floor</u>	2300.02	%Sft	0
26	23002	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	296137

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	400	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	91560
28	200	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	48100
29	100	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	18050
30	500	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	451465
31	5499	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42).	3275.50	%Sft	180120
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	261	S/F Girder at Site of Work	3850.00	P.Cwt	1006548
34	1887	S/F T.Iron at Site of Work	3575.00	P.Cwt	6745668
35	429	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	79894
36	10727	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1227523
37	1186	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	90222
38	1563	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	110035
39	2398	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	346013
40	1335	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	407305
41	630	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	243835
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	816	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	47418
44	409	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	106851
45	10189	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	84564
46	45192	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	200088
47	53020	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	572430
48	28501	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	731891
49	27828	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	588955
50	9479	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	120462

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	5170	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	961827
52	12326	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	2760654
53	190	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	52589
54	0	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	0
55	6045	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	51981
56	440	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	782540
57	2272	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	100237
58	5650	Errection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	176699
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	5080	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	269766
62	2610	Scrapign white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	1974
63	2890	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a bases 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	1377130
64	1990	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	26430
			TOTAL :-		32965173

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	19	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	80820
3	19	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	17831
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	38	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	16992

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	19	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	22670
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with collar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortar 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	950	4" dia	146.57	P.Rft	139242
	800	6" dia	199.25	P.Rft	159400
9	22	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	44933
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1310	1/2" dia	73.21	P.Rft	95905
ii	1027	3/4" dia	95.79	P.Rft	98376
iii	525	1" dia	128.55	P.Rft	67489
iv	285	1 1/2" dia	153.19	P.Rft	43659
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	890	1/2" dia	7.82	P.Rft	6960
	540	3/4" dia	8.45	P.Rft	4563
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	27	3/4 dia	227.92	Each	6154
13	8	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	7022
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	68	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	32523
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	14	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	113714
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	23	3/4" dia	271.92	Each	6254
iii	17	1" dia	365.42	Each	6212
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	19	250 Gallon	21989.61	Each	417803
22	0	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	0
23	0	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	0
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	1	3/4" dia	271.92	Each	272
25	350	Boring for Tube Well	160.00	Each	56000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)	*		
	500	3"dia	137.00	Each	68500
	250	4"dia	226.00	Each	56500
TOTAL :-					1833437

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	11293	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.	*	P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GGPS Ranjhapur, GBPS Dildar Pahore, GBPS Ghulam Muhammad Sarki, GBPS Zafarabad, GBPS Shambo Brohi, GBPS Muhammad Hassan Taluka Thul. (PACKAGE 17)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	5758	Dismantling cement concrete rainforced separaiting raiforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	%Cft	313523
2	7756	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	99713
3	2476	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9362
4	2565	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	33521
5	14820	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	17932
6	2	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	284
7	3	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	309
8	13997	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5).	3176.25	%0Cft	44458
9	3110	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	292846
10	3301	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	287020
11	12805	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1529987
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	775	<u>First Floor</u>	349.10	P.Cft	270553
14	380	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1901923
15	2603	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	29709
16	6849	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	10359
17	76145	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	276406
18	44192	Extra Lead for one Mile	579.41	%Cft	256053
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	3121	<u>First Floor</u>	13112.86	%Cft	409252
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (c) Page No: 22)	12346.65	%Cft	963039
22	12395	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	81807
23	3712	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	111945
24	57888	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1277357
	6681	<u>First Floor</u>	2309.10	%Sft	154271
25	53888	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1184200
	6681	<u>First Floor</u>	2300.02	%Sft	153664
26	16866	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	217140

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	852	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	195023
28	360	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	86580
29	235	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design i/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	42418
30	1296	First class deodar wood wrought joinery in doors and windos etciefd inosition i/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1170197
31	5262	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	172357
32	3316	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	62586
33	249	S/F Girder at Site of Work	3850.00	P.Cwt	958669
34	203	S/F T.Iron at Site of Work	3575.00	P.Cwt	724495
35	964	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	179260
36	5596	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	640373
37	7495	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	570163
38	1139	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	80186
39	2722	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	392764
40	2612	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	796915
41	48	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" i/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also i/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	18578
42	50	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	11301
43	872	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	50672
44	223	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	58259
45	19285	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	160056
46	43438	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	192322
47	81176	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	876417
48	27143	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	697019
49	6905	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	146138
50	11259	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	143083

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	6377	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	1186377
52	6188	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1385926
53	899	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	248831
54	1822	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	514779
55	9376	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	80624
56	280	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	497980
57	3437	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	151634
58	2612	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	81688
59		P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	163	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	118455
61	1050	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	55759
62	0	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	0
63	1516	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	722398
64	10868	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	144341
				TOTAL :-	27384214

PART "B"

1	30	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	144078
2	28	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	119104
3	28	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	26277
4	12	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	3247
5	52	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	23252

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	28	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	33409
7	52	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	17331
8	0	RCC pipe with collar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	540	4" dia	146.57	P.Rft	79148
	540	6" dia	199.25	P.Rft	107595
9	64	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	130716
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1860	1/2" dia	73.21	P.Rft	136171
ii	1346	3/4" dia	95.79	P.Rft	128933
iii	735	1" dia	128.55	P.Rft	94484
iv	250	1 1/2" dia	153.19	P.Rft	38298
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	720	1/2" dia	7.82	P.Rft	5630
	420	3/4" dia	8.45	P.Rft	3549
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	28	1/2" dia	161.92	Each	4534
	30	3/4 dia	227.92	Each	6838
13	14	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	12289
14	10	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	8895
15	64	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	30610
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	16	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	129958
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	18	3/4" dia	271.92	Each	4895
iii	12	1" dia	365.42	Each	4385
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	21	250 Gallon	21989.61	Each	461782
22	8	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1612
23	8	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	2703
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	3	3/4" dia	271.92	Each	816
25	745	Boring for Tube Well	160.00	Each	119200

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	415	3"dia	137.00	Each	56855
	415	4"dia	226.00	Each	93790
TOTAL :-					2174877

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	10831	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	8	S/F Chiiler for Cold water i/c Stablizer		Each	
3	8	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Buxan Pahore, GBPS Ranjha Pur, GBPS Haji Ali Bux Soomro, GGPS Thul (Main) GBPS Khan Muhammad Pahore, GBPS Khan Kato Taluka Thul (PACKAGE 18)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	4378	Dismantling cement concrete rainforced separaiting raiforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	%Cft	238382
2	9090	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	116864
3	3219	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	12172
4	3182	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	41582
5	14500	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	17545
6	2412	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	342938
7	9	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	926
8	11923	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	37870
9	6769	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	637341
10	6213	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	540217
11	10104	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1207262
12	5605	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepretely this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	1888885
13	1000	<u>First Floor</u>	349.10	P.Cft	349100
14	214	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1068088
15	12188	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	139095
16	5622	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8503
17	605	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	2196
18	605	Extra Lead for one Mile	579.41	%Cft	3505
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	3556	<u>First Floor</u>	13112.86	%Cft	466293
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	13842	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	91357
23	16248	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	490001
24	39185	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	864656
	8806	<u>First Floor</u>	2309.10	%Sft	203339
25	36779	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	808226
	8806	<u>First Floor</u>	2300.02	%Sft	202540
26	16426	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	211475

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	600	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	137340
28	300	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	72150
29	150	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	27075
30	750	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	677198
31	5516	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	180677
32	500	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	9437
33	248	S/F Girder at Site of Work	3850.00	P.Cwt	955686
34	223	S/F T.Iron at Site of Work	3575.00	P.Cwt	796338
35	457	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	85021
36	9765	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1117397
37	3422	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	260320
38	1268	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	89267
39	1517	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	218892
40	2818	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	859765
41	0	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	0
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	1568	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	91116
44	201	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	52511
45	18925	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	157068
46	65874	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	291657
47	82818	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	894145
48	30535	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	784124
49	12946	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	273990
50	11469	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	145751

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	2768	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	514959
52	8446	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1891651
53	775	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	214510
54	453	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	127988
55	11745	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	100995
56	432	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	768312
57	7984	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	352240
58	1268	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	39656
59		P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	189	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	137350
61	2880	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	152938
62	5000	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	3782
63	2280	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	1086456
64	0	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	0
				TOTAL :-	26135873

PART "B"

1	20	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	96052
2	16	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	68059
3	16	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	15016
4	2	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	541
5	32	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	14309

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	16	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	19091
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with colar class "B" and didding the traches to the required depth an fixing in positin l/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	350	4" dia	146.57	P.Rft	51300
	350	6" dia	199.25	P.Rft	69738
9	26	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & l/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	53103
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and l/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
I	1260	1/2" dia	73.21	P.Rft	92245
ii	965	3/4" dia	95.79	P.Rft	92437
iii	535	1" dia	128.55	P.Rft	68774
iv	220	1 1/2" dia	153.19	P.Rft	33702
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	700	1/2" dia	7.82	P.Rft	5474
	450	3/4" dia	8.45	P.Rft	3803
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	20	1/2" dia	161.92	Each	3238
	20	3/4 dia	227.92	Each	4558
13	2	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	1756
14	2	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	1779
15	64	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	30610
16	18	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	19970
17	9	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	25938
18	9	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	7158
19	10	Supplying & fixing Bath room accessories set (7 pieces l/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	81224
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	18	3/4" dia	271.92	Each	4895
iii	11	1" dia	365.42	Each	4020
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified l/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	15	250 Gallon	21989.61	Each	329844
22	2	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	403
23	2	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	676
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
I	0	1/2" dia			
ii	2	3/4" dia	271.92	Each	544
25	405	Boring for Tube Well	160.00	Each	64800

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	250	3"dia	137.00	Each	34250
	235	4"dia	226.00	Each	53110
TOTAL :-					1426154

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	10211	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

- (A) Cost Based on Composite Schedule of Rates
 - (B) Cost Based on Non/Offiered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Abdul Qadir Khoso, GBPS Sachal Katto, GBPS Gulsher Khan Kanrani, GBPS Umed Ali Brohi, GBPS Abdul Ghani Shah GGPS Madadpur Taluka Thul (PACKAGE 19)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	4378	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	238382
2	9090	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	116864
3	3219	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	12172
4	3182	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	41582
5	14500	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	17545
6	2412	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	342938
7	9	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	926
8	11923	Excavation in foundation of building bridges and other structure including dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	37870
9	6769	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	637341
10	6213	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	540217
11	10104	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1207262
12	5605	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepretely this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	1888885
13	1000	<u>First Floor</u>	349.10	P.Cft	349100
14	214	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1068088
15	12188	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	139095
16	5622	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	8503
17	605	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	2196
18	605	Extra Lead for one Mile	579.41	%Cft	3505
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	3556	<u>First Floor</u>	13112.86	%Cft	466293
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	13842	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	91357
23	16248	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	490001
24	39185	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	864656
	8806	<u>First Floor</u>	2309.10	%Sft	203339
25	36779	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	808226
	8806	<u>First Floor</u>	2300.02	%Sft	202540
26	16426	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	211475

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	600	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	137340
28	300	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	72150
29	150	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	27075
30	750	First class deodar wood wrought joinery in doors and windos etcfied inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	677198
31	5516	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42).	3275.50	%Sft	180677
32	500	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	9437
33	248	S/F Girder at Site of Work	3850.00	P.Cwt	955686
34	223	S/F T.Iron at Site of Work	3575.00	P.Cwt	796338
35	457	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	85021
36	9765	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	1117397
37	3422	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	260320
38	1268	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	89267
39	1517	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	218892
40	2818	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and aptern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	859765
41	0	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	0
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	1568	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	91116
44	201	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	52511
45	18925	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	157068
46	65874	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	291657
47	82818	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	894145
48	30535	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	784124
49	12946	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	273990
50	11469	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	145751

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	2768	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	514959
52	8446	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1891651
53	775	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	214510
54	453	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	127988
55	11745	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	100995
56	432	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	768312
57	7984	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	352240
58	1268	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	39656
59		P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	189	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	137350
61	2880	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	152938
62	5000	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	3782
63	2280	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	1086456
64	0	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	0
TOTAL :-					26135873

PART "B"

1	20	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	96052
2	16	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	68059
3	16	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	15016
4	2	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	541
5	32	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	14309

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	16	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	19091
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with collar class "B" and didding the traches to the required depth an fixing in positin l/c cutting fitting and jointing with max phalt composition and cemen mortar 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	350	4" dia	146.57	P.Rft	51300
	350	6" dia	199.25	P.Rft	69738
9	26	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & l/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	53103
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and l/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1260	1/2" dia	73.21	P.Rft	92245
ii	965	3/4" dia	95.79	P.Rft	92437
iii	535	1" dia	128.55	P.Rft	68774
iv	220	1 1/2" dia	153.19	P.Rft	33702
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	700	1/2" dia	7.82	P.Rft	5474
	450	3/4" dia	8.45	P.Rft	3803
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	20	1/2" dia	161.92	Each	3238
	20	3/4 dia	227.92	Each	4558
13	2	Supplying & Fixing swan type piller cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	1756
14	2	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	1779
15	64	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	30610
16	18	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	19970
17	9	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	25938
18	9	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	7158
19	10	Supplying & fixing Bath room accessories set (7 pieces l/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	81224
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	18	3/4" dia	271.92	Each	4895
iii	11	1" dia	365.42	Each	4020
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified l/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	15	250 Gallon	21989.61	Each	329844
22	2	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	403
23	2	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	676
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	2	3/4" dia	271.92	Each	544
25	405	Boring for Tube Well	160.00	Each	64800

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	250	3"dia	137.00	Each	34250
	235	4"dia	226.00	Each	53110
TOTAL :-					1426154

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	10211	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

1. (A) Cost Based on Composite Schedule of Rates
 2. (B) Cost Based on Non/Offered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Mazari Khan Lashari, GBPS Rahim Bux Noonari, GBPS Waris Dino Noonari, GBPS Hamzo Khan Buriro (Br:), GBPS Sardar Sohrab Khan Sarki, GGPS Abdul Qadir Khoso Taluka Thul. (PACKAGE 20)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	5758	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	313523
2	7756	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	99713
3	2476	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9362
4	2565	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	33521
5	14820	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	17932
6	2	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	284
7	3	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	309
8	13997	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	44458
9	3110	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	292846
10	3301	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	287020
11	12805	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1529987
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage (C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	775	<u>First Floor</u>	349.10	P.Cft	270553
14	380	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1901923
15	2603	Supplying and filling sand under floor and plugging in walls (C.S.I No:29 P.26).	1141.25	%Cft	29709
16	6849	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	10359
17	76145	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	276406
18	44192	Extra Lead for one Mile	579.41	%Cft	256053
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	3121	<u>First Floor</u>	13112.86	%Cft	409252
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	12395	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	81807
23	3712	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	111945
24	57888	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1277357
	6681	<u>First Floor</u>	2309.10	%Sft	154271
25	53888	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1184200
	6681	<u>First Floor</u>	2300.02	%Sft	153664
26	16866	Cement pointing stricking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	217140

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	852	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	195023
28	360	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	86580
29	235	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	42418
30	1296	First class deodar wood wrought joinery in doors and windos etcfied inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1170197
31	5262	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42).	3275.50	%Sft	172357
32	3316	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	62586
33	249	S/F Girder at Site of Work	3850.00	P.Cwt	958669
34	203	S/F T.Iron at Site of Work	3575.00	P.Cwt	724495
35	964	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	179260
36	5596	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	640373
37	7495	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	570163
38	1139	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	80186
39	2722	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	392764
40	2612	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and aptern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	796915
41	48	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	18578
42	50	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	11301
43	872	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	50672
44	223	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	58259
45	19285	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	160056
46	43438	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	192322
47	81176	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	876417
48	27143	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	697019
49	6905	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	146138
50	11259	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	143083

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	6377	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	1186377
52	6188	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1385926
53	240	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	66429
54	0	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	0
55	9376	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	80624
56	190	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	337915
57	3437	Providing and laying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	151634
58	2612	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	81688
59		P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	163	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	118455
61	1050	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	55759
62	0	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	0
63	516	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	245882
64	10868	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	144341
				TOTAL :-	26050452

PART "B"

1	30	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	144078
2	28	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	119104
3	28	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	26277
4	12	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	3247
5	52	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	23252

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	28	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	33409
7	52	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	17331
8	0	RCC pipe with collar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	540	4" dia	146.57	P.Rft	79148
	540	6" dia	199.25	P.Rft	107595
9	64	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I serrewed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	130716
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1860	1/2" dia	73.21	P.Rft	136171
ii	1346	3/4" dia	95.79	P.Rft	128933
iii	735	1" dia	128.55	P.Rft	94484
iv	250	1 1/2" dia	153.19	P.Rft	38298
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	720	1/2" dia	7.82	P.Rft	5630
	420	3/4" dia	8.45	P.Rft	3549
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	28	1/2" dia	161.92	Each	4534
	30	3/4 dia	227.92	Each	6838
13	14	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	12289
14	10	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	8895
15	64	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	30610
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	16	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	129958
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	18	3/4" dia	271.92	Each	4895
iii	12	1" dia	365.42	Each	4385
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	21	250 Gallon	21989.61	Each	461782
22	8	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1612
23	8	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	2703
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	3	3/4" dia	271.92	Each	816
25	745	Boring for Tube Well	160.00	Each	119200

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	415	3"dia	137.00	Each	56855
	415	4"dia	226.00	Each	93790
TOTAL :-					2174877

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	10831	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	8	S/F Chiiler for Cold water i/c Stablizer		Each	
3	8	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Habib Ullah Noonari, GBPS Zangi Pur (Old0, GBPS Waris Dino Noonari, GBPS Rajo Khan Banglani, GBPS Rajab Ali Pahore, GBPS Lal Bux Buriro Taluka Thul. (PACKAGE 21)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	5758	Dismantling cement concrete reinforced separating raiforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	%Cft	313523
2	7756	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	99713
3	2476	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9362
4	2565	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	33521
5	14820	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	17932
6	2	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	284
7	3	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	309
8	13997	Excavation in foundation of building bridges and other structure including dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	44458
9	3110	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	292846
10	3301	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	287020
11	12805	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	1529987
12	6612	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepretely this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2228244
13	775	<u>First Floor</u>	349.10	P.Cft	270553
14	380	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1901923
15	2603	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	29709
16	6849	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	10359
17	76145	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	276406
18	44192	Extra Lead for one Mile	579.41	%Cft	256053
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	3121	<u>First Floor</u>	13112.86	%Cft	409252
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	12395	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	81807
23	3712	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	111945
24	57888	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1277357
	6681	<u>First Floor</u>	2309.10	%Sft	154271
25	53888	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1184200
	6681	<u>First Floor</u>	2300.02	%Sft	153664
26	16866	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	217140

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	852	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	195023
28	360	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	86580
29	235	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finished grill (C.S.I No:26 P.93).	180.50	P.Sft	42418
30	1296	First class deodar wood wrought joinery in doors and windos etcfied inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1170197
31	5262	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	172357
32	3316	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	62586
33	249	S/F Girder at Site of Work	3850.00	P.Cwt	958669
34	203	S/F T.Iron at Site of Work	3575.00	P.Cwt	724495
35	964	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	179260
36	5596	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	640373
37	7495	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	570163
38	1139	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	80186
39	2722	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreeegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	392764
40	2612	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	796915
41	48	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc; completed. (C.S.I No:32 P-94).	387.04	P.Sft	18578
42	50	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	11301
43	872	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	50672
44	223	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	58259
45	19285	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	160056
46	43438	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	192322
47	81176	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	876417
48	27143	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	697019
49	6905	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	146138
50	11259	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	143083

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	6377	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	1186377
52	9188	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	2057836
53	640	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	177144
54	1288	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	363905
55	9376	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	80624
56	390	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	693615
57	3437	Providing and laying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	151634
58	2612	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	81688
59		P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	163	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	118455
61	1050	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	55759
62	0	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	0
63	2516	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	1198913
64	10868	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	144341
				TOTAL :-	28505713

PART "B"

1	30	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	144078
2	28	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	119104
3	28	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	26277
4	12	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	3247
5	52	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	23252

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	28	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	33409
7	52	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	17331
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin 1/c cutting fitting and jointing with max phalt composition and cemen mortar 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	540	4" dia	146.57	P.Rft	79148
	540	6" dia	199.25	P.Rft	107595
9	64	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I serrewed down grating with or without a vent arm complete with & 1/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	130716
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and 1/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1860	1/2" dia	73.21	P.Rft	136171
ii	1346	3/4" dia	95.79	P.Rft	128933
iii	735	1" dia	128.55	P.Rft	94484
iv	250	1 1/2" dia	153.19	P.Rft	38298
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	720	1/2" dia	7.82	P.Rft	5630
	420	3/4" dia	8.45	P.Rft	3549
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	28	1/2" dia	161.92	Each	4534
	30	3/4 dia	227.92	Each	6838
13	14	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	12289
14	10	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	8895
15	64	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	30610
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	16	Supplying & fixing Bath room accessories set (7 pieces 1/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	129958
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	18	3/4" dia	271.92	Each	4895
iii	12	1" dia	365.42	Each	4385
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified 1/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	21	250 Gallon	21989.61	Each	461782
22	8	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1612
23	8	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	2703
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	3	3/4" dia	271.92	Each	816
25	745	Boring for Tube Well	160.00	Each	119200

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2" thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4". (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	550	3"dia	137.00	Each	75350
	415	4"dia	226.00	Each	93790
TOTAL :-					2193372

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS


1	10831	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	8	S/F Chiiler for Cold water i/c Stablizer		Each	
3	8	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

- (A) Cost Based on Composite Schedule of Rates
 - (B) Cost Based on Non/Offered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR


EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING PRIMARY / ELEMENTARY SCHOOLS @ GBPS Mehboob Ji Wandh, GBPS Abdul Khalique Noonari, GBPS Anees u Rehman, GBPS Chandan, GBPS Channa, GBPS Sikanderabad Taluka Thul. (PACKAGE 22)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	5758	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	%Cft	313523
2	7756	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	99713
3	2476	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	9362
4	2565	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	33521
5	14820	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	17932
6	2	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	284
7	3	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	309
8	13997	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5).	3176.25	%0Cft	44458
9	3110	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	292846
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13	775	<u>First Floor</u>	349.10	P.Cft	270553
14	380	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1901923
15	2603	Supplying and filling sand under floor and plugging in walls (C.S.I No:29 P.26).	1141.25	%Cft	29709
16	6849	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	10359
17	76145	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	276406
18	44192	Extra Lead for one Mile	579.41	%Cft	256053
19	12740	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	3121	<u>First Floor</u>	13112.86	%Cft	409252
21	7800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	963039
22	12395	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	81807
23	3712	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	111945
24	57888	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1277357
	6681	<u>First Floor</u>	2309.10	%Sft	154271
25	53888	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1184200
	6681	<u>First Floor</u>	2300.02	%Sft	153664
26	16866	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	217140

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	852	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	195023
28	360	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	86580
29	235	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design i/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	42418
30	1296	First class deodar wood wrought joinery in doors and windos etcfied inosition i/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1170197
31	5262	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42).	3275.50	%Sft	172357
32	3316	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	62586
33	249	S/F Girder at Site of Work	3850.00	P.Cwt	958669
34	203	S/F T.Iron at Site of Work	3575.00	P.Cwt	724495
35	964	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.S.I No:6 P-91).	186.04	P.Cwt	179260
36	5596	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	640373
37	7495	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	570163
38	1139	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	80186
39	2722	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	392764
40	2612	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	796915
41	48	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" i/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also i/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	18578
42	50	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	11301
43	872	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	50672
44	223	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	58259
45	19285	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	160056
46	43438	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	192322
47	81176	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	876417
48	27143	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	697019
49	6905	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	146138
50	11259	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	143083

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	6377	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	1186377
52	6188	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1385926
53	240	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	66429
54	0	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	0
55	9376	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	80624
56	190	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (C.S.I No:23 P-61)	1778.50	P.Sft	337915
57	3437	Providing and laying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	151634
58	2612	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	81688
59		P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	163	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	118455
61	1050	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	55759
62	0	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	0
63	516	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern tile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	245882
64	10868	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. One coats (C.S.I No. 38 (c) P. No. 56)	1328.13	%Sft	144341
				TOTAL :-	26050452

PART "B"

1	30	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	144078
2	28	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	119104
3	28	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	26277
4	12	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	3247
5	52	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	23252

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	28	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	33409
7	52	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	17331
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortar 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	540	4" dia	146.57	P.Rft	79148
	540	6" dia	199.25	P.Rft	107595
9	64	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	130716
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	1860	1/2" dia	73.21	P.Rft	136171
ii	1346	3/4" dia	95.79	P.Rft	128933
iii	735	1" dia	128.55	P.Rft	94484
iv	250	1 1/2" dia	153.19	P.Rft	38298
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	720	1/2" dia	7.82	P.Rft	5630
	420	3/4" dia	8.45	P.Rft	3549
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	28	1/2" dia	161.92	Each	4534
	30	3/4 dia	227.92	Each	6838
13	14	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	12289
14	10	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	8895
15	64	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	30610
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	12	S./F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	34584
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	16	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	129958
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	18	3/4" dia	271.92	Each	4895
iii	12	1" dia	365.42	Each	4385
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	21	250 Gallon	21989.61	Each	461782
22	8	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	1612
23	8	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	2703
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	3	3/4" dia	271.92	Each	816
25	745	Boring for Tube Well	160.00	Each	119200

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benching and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	415	3"dia	137.00	Each	56855
	415	4"dia	226.00	Each	93790
TOTAL :-					2174877

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	10831	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	8	S/F Chiiler for Cold water i/c Stablizer		Each	
3	8	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING SECONDARY / HIGH SECONDARY SCHOOLS @ GBPS Jagan Channo, GGPS Ial Bhatti, GBPS Uddi @ Anees U Rehman Sarki, GBPS Mubarak Pahore @ Noor Ahmed Brohi, GGPS Sardar Sohrab Khan Sarki, GBPS Muhammad Ayub Kehar Taluka Thul (PACKAGE NO. 23).

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" CIVIL SCHEDULE ITEMS</u>					
1	6968	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	379408
2	11563	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	148657
3	0	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	0
4	5439	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	71077
5	14032	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	16979
6	0	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	0
7	0	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	0
8	20346	Excavation in foundation of building bridges and other structure including dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%0Cft	64624
9	96	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	9040
10	11645	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	1012527
11	18647	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	2228011
12	7707	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepretely this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slab bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (l)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	2597259
13	0	<u>First Floor</u>	349.10	P.Cft	0
14	424	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	2118490
15	52014	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	593610
16	534	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	808
17	17593	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	63863
18	17638	Extra Lead for one Mile	579.41	%Cft	102196
19	15050	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1907491
20	0	<u>First Floor</u>	13112.86	%Cft	0
21	5567	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	687338
22	14032	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	92611
23	14032	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	423171
24	36892	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	814059
	0	<u>First Floor</u>	2309.10	%Sft	0
25	36892	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	810709
	0	<u>First Floor</u>	2300.02	%Sft	0
26	17180	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	221182

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	618	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	141460
28	1043	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	250842
29	2626	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design i/c painting three coats etccomplete weightg not less than 3.7 lbs of finished grill (C.S.I No:26 P.93).	180.50	P.Sft	473993
30	1342	First class deodar wood wrought joinery in doors and windos etcified inosition i/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	1211732
31	8396	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42).	3275.50	%Sft	275011
32	15205	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	286979
33	370	S/F Girder at Site of Work	3850.00	P.Cwt	1423676
34	110	S/F T.Iron at Site of Work	3575.00	P.Cwt	393314
35	480	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.S.I No:6 P-91).	186.04	P.Cwt	89263
36	6694	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	766002
37	0	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	0
38	1237	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	87085
39	2797	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreeegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	403586
40	801	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	244383
41	0	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" i/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also i/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	0
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	1040	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	60434
44	15	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	3919
45	19792	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	164264
46	44233	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	195842
47	54129	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	584404
48	10679	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	274231
49	7581	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	160445
50	11084	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	140859

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	3084	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	573747
52	5040	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1128809
53	605	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	167456
54	3039	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	858624
55	5760	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	49530
56	420	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	746970
57	9120	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	402358
58	1237	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	38686
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	45783
61	0	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	0
62	0	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	0
63	0	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	0
64	0	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. One coats (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	0
TOTAL :-					26006797

PART "B"

1	24	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	115262
2	24	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	102089
3	24	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	22523
4	0	Providing & fixing 4" x 4" x 4" dia. C.I branch of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	0
5	42	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	18780

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	24	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	28636
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with colar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	450	4" dia	146.57	P.Rft	65957
	450	6" dia	199.25	P.Rft	89663
9	24	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down gratting with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	49018
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	840	1/2" dia	73.21	P.Rft	61496
ii	603	3/4" dia	95.79	P.Rft	57761
iii	375	1" dia	128.55	P.Rft	48206
iv	210	1 1/2" dia	153.19	P.Rft	32170
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	450	1/2" dia	7.82	P.Rft	3519
	300	3/4" dia	8.45	P.Rft	2535
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	24	1/2" dia	161.92	Each	3886
	24	3/4 dia	227.92	Each	5470
13	0	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	0
14	0	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	0
15	60	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	28697
16	24	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	26627
17	15	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	43230
18	12	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	9544
19	6	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	48734
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	6	3/4" dia	271.92	Each	1632
iii	3	1" dia	365.42	Each	1096
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	9	250 Gallon	21989.61	Each	197906
22	0	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	0
23	0	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	0
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	0	3/4" dia	271.92	Each	0
25	150	Boring for Tube Well	160.00	Each	24000

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	18	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6' (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	265464
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	150	3"dia	137.00	Each	20550
	150	4"dia	226.00	Each	33900
TOTAL :-					1408352

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	12811	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	3	S/F Chiiler for Cold water i/c Stablizer		Each	
3	3	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
TOTAL :-					

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING SECONDARY / HIGHER SECONDARY SCHOOLS @ GGHS Allan Khan Jamali, GGHS Single Section Jacobabad, GGHS Jacobabad, GGHS Muhammad Pur Odho Taluka Jacobabad & Garhi Khairo. (PACKAGE NO. 24)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	7243	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	394381
2	12174	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	156513
3	1234	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	4666
4	2725	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	35610
5	7621	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	9221
6	2803	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	398531
7	2696	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	277284
8	5774	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%Cft	18340
9	192	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	18079
10	1248	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	108513
11	7837	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	936393
12	5620	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	1893940
13	0	<u>First Floor</u>	349.10	P.Cft	0
14	301	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1505869
15	267	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	3047
16	1068	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%Cft	1615
17	32632	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%Cft	118454
18	726	Extra Lead for one Mile	579.41	%Cft	4207
19	13685	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1734486
20	3620	<u>First Floor</u>	13112.86	%Cft	474686
21	8327	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	1028106
22	11280	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	74448
23	4326	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	130462
24	48252	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1064729
	0	<u>First Floor</u>	2309.10	%Sft	0
25	47796	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1050327
	0	<u>First Floor</u>	2300.02	%Sft	0
26	14908	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	191932

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	810	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	185409
28	394	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	94757
29	180	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	32490
30	1016	First class deodar wood wrought joinery in doors and windos etcified inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	917377
31	642	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42).	3275.50	%Sft	21029
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	177	S/F Girder at Site of Work	3850.00	P.Cwt	679771
34	147	S/F T.Iron at Site of Work	3575.00	P.Cwt	527309
35	327	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	60862
36	0	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	0
37	8357	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	635738
38	547	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	38509
39	2541	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	366647
40	2222	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	677927
41	0	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	0
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	384	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	22314
44	51	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	13324
45	11999	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	99586
46	17656	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	78172
47	59881	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	646505
48	2622	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	67332
49	4560	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	96508
50	8962	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	113892

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	2723	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	506587
52	5028	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1126121
53	500	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	138393
54	1480	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	418152
55	1456	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	12520
56	580	Providing & fixing deodar almirah 9" - 12" depth including boxing with back shelves shutters brass fitting complete (C.S.I No.23 P-61)	1778.50	P.Sft	1031530
57	2920	Providing and laying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	128825
58	547	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	17107
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	148	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	107555
61	4186	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	222291
62	8126	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	6146
63	2280	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	1086456
64	39983	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. One coats (C.S.I No. 38 (c) P. No. 56)	1328.13	%Sft	531026
			TOTAL :-		22342003

PART "B"

1	40	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	192104
2	40	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	170148
3	38	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	35662
4	18	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	4871
5	80	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	35772

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	40	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	47727
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin l/c cutting fitting and jointing with max phalt composition and cemen mortar 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	730	4" dia	146.57	P.Rft	106996
	730	6" dia	199.25	P.Rft	145453
9	94	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved selt cleaning design with a C.I screwed down grating with or without a vent arm complete with & l/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	191988
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and l/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	2720	1/2" dia	73.21	P.Rft	199131
ii	1967	3/4" dia	95.79	P.Rft	188419
iii	1185	1" dia	128.55	P.Rft	152332
iv	220	1 1/2" dia	153.19	P.Rft	33702
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	1100	1/2" dia	7.82	P.Rft	8602
	550	3/4" dia	8.45	P.Rft	4648
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	40	1/2" dia	161.92	Each	6477
	45	3/4 dia	227.92	Each	10256
13	18	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	15800
14	18	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	16010
15	80	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	38262
16	22	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	24408
17	11	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	31702
18	11	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	8748
19	22	Supplying & fixing Bath room accessories set (7 pieces l/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	178693
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	20	3/4" dia	271.92	Each	5438
iii	11	1" dia	365.42	Each	4020
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified l/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	31	250 Gallon	21989.61	Each	681678
22	18	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	3627
23	18	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	6083
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	0	3/4" dia	271.92	Each	0
25	945	Boring for Tube Well	160.00	Each	151200

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6" (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	450	3"dia	137.00	Each	61650
	450	4"dia	226.00	Each	101700
			TOTAL :-		2937047

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	8596	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
			TOTAL :-		

Cost of Bid

1. (A) Cost Based on Composite Schedule of Rates
 2. (B) Cost Based on Non/Offered Schedule of Rates
- TOTAL COST OF BID (C) = TOTAL (A) + TOTAL (B)

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- REHABILITATION & EXPANSION OF HIGH PRIORITY 4560 SCHOOLS (NON ADP) IN EXISTING SECONDARY / HIGHER SECONDARY SCHOOLS @ GBHS Mubarakpur Taluka Thul. (PACKAGE NO. 25)

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" CIVIL SCHEDULE ITEMS					
1	7243	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	394381
2	12174	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	156513
3	1234	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	4666
4	2725	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	35610
5	7621	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Cft	9221
6	2803	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	Each	398531
7	2696	Removing window with sky light with chowkat (C.S.I No:33 (b) P-12).	102.85	Each	277284
8	5774	Excavation in foundation of building bridges and other structure including dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (b) in ordinary soil(C.S.I No:18 (b)P.5.	3176.25	%OCft	18340
9	192	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	18079
10	1248	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	108513
11	7837	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	936393
12	5620	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	1893940
13	0	<u>First Floor</u>	349.10	P.Cft	0
14	301	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	1505869
15	267	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%Cft	3047
16	1068	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%OCft	1615
17	32632	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%OCft	118454
18	726	Extra Lead for one Mile	579.41	%Cft	4207
19	13685	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1734486
20	3620	<u>First Floor</u>	13112.86	%Cft	474686
21	8327	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	1028106
22	11280	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	74448
23	4326	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 (c) Page No: 52).	3015.76	%Sft	130462
24	48252	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	1064729
	0	<u>First Floor</u>	2309.10	%Sft	0
25	47796	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	1050327
	0	<u>First Floor</u>	2300.02	%Sft	0
26	14908	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	191932

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	810	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	185409
28	394	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carriage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	94757
29	180	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design i/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.93).	180.50	P.Sft	32490
30	1016	First class deodar wood wrought joinery in doors and windos etcfied inosition i/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	917377
31	642	Providing and lying 2" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels(C.S.I No:16 (c) P-42) .	3275.50	%Sft	21029
32	0	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	0
33	177	S/F Girder at Site of Work	3850.00	P.Cwt	679771
34	147	S/F T.Iron at Site of Work	3575.00	P.Cwt	527309
35	327	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.04	P.Cwt	60862
36	0	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc. (C.S.I No:1 P.33).	11443.11	%Sft	0
37	8357	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	635738
38	547	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping. (C.S.I No: 61 Page No: 105).	70.40	P.Rft	38509
39	2541	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	366647
40	2222	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47) .	30509.77	%Sft	677927
41	0	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" i/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T- section 1" x 1" 1/8" along with rollers also i/c locking arrangement and fixing in floor/ceiling or wall etc: completed. (C.S.I No:32 P-94).	387.04	P.Sft	0
42	0	Providing and laying cement ornamental cement jalli 2" thick 1:2:4 without steel (C.S.I No:11 P.18).	226.02	P.Sft	0
43	384	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	22314
44	51	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	13324
45	11999	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	99586
46	17656	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	78172
47	59881	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	646505
48	2622	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	67332
49	4560	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	96508
50	8962	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	113892

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
51	2723	Providing and fixing 3/8" thick marble tiles of approved quality and colour shade size 8" x 4/6" x 4" in dado skirting and facing removal / tucking of existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting mortar base including filling the joints and washing of tiles with white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.S.I No: 68 (i) P-49).	186.04	P.Sft	506587
52	5028	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	1126121
53	500	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete (C.S.I No:24 P-43).	27678.68	%Sft	138393
54	1480	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing (C.S.I No:37 P-45).	28253.51	%Sft	418152
55	1456	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	12520
56	580	Providing & fixing deodar almirah 9" x 12" depth including boxing with back shelves shutters brass fitting complete (C.S.I No:23 P-61)	1778.50	P.Sft	1031530
57	2920	Providing and laying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	128825
58	547	Erection and removal of cutting for R.C.C or plain Cement concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Sft	17107
59	0	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	223.97	P.Sft	0
60	148	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" centre to centre with locking arrangement. (C.S.I No:24 P-92)	726.72	P.Sft	107555
61	4186	Single Layer Tiles 9" x 4 1/12" x 2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC Slab provided with 34 lbs bitumen coating sand blinded (C.S.I No: 5 P-34).	5310.35	%Sft	222291
62	8126	Scraping white wash or colour wash (C.S.I No:54 (a) P-13).	75.63	%Sft	6146
63	2280	P/L Halla pattern tiles glazed 6" x 6" x 1/4" of floor of walls facing required pattern stile specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles to proper profile. (C.S.I No: 61 P-48)	47651.56	%Sft	1086456
64	39983	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. One coats (C.S.I No. 38 (c) P. No. 56)	1328.13	%Sft	531026
			TOTAL :-		22342003

PART "B"

1	40	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	192104
2	40	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	170148
3	38	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	35662
4	18	Providing & fixing 4" x 4" x 4" dia. C.I branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match colour of the building.	270.60	Each	4871
5	80	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	35772

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6	40	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	47727
7	0	P/F 4" dia C.I soil and vent pipes including cutting and fitting and extra painting to match the colour of the building (S.I No:1 P-No:9).	333.29	Each	0
8	0	RCC pipe with color class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of the heigh			
	730	4" dia	146.57	P.Rft	106996
	730	6" dia	199.25	P.Rft	145453
9	94	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I serrewed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	191988
10	0	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and I/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (SI No. 1 Page No.12)			
i	2720	1/2" dia	73.21	P.Rft	199131
ii	1967	3/4" dia	95.79	P.Rft	188419
iii	1185	1" dia	128.55	P.Rft	152332
iv	220	1 1/2" dia	153.19	P.Rft	33702
11	0	Add : Extra labor for concealed G.I pipe and Fitting i/c making recess in the wall for pipe and making good in Cement motor etc Complete			
	1100	1/2" dia	7.82	P.Rft	8602
	550	3/4" dia	8.45	P.Rft	4648
12	0	Providing and fixing full way gun metal values with wheels threaded or flanged ends with rubber washing (b) standared pattern (Note standared Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	40	1/2" dia	161.92	Each	6477
	45	3/4 dia	227.92	Each	10256
13	18	Supplying & Fixing swan type pillar cock of Superior quality with crystal head. 1/2" dia.	877.80	Each	15800
14	18	S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	889.46	Each	16010
15	80	S/F cancelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	38262
16	22	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	24408
17	11	S/F wash been mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	31702
18	11	S/F Swan type Pillars Cock of supreior quality with arvstal Head.	795.30	Each	8748
19	22	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush hloder, soap tray, shelf of approved quality and design etc complete. (Si No: 22 P-No:19)	8122.40	Each	178693
20	0	P/F handle values (China) (S.I No:7 P-No:14).			
ii	20	3/4" dia	271.92	Each	5438
iii	11	1" dia	365.42	Each	4020
21	0	P/F in position fiber glass tank with approved design and wall thickness as specified I/c cost of nuts polts and fixinf in plate forum of c.c 1:3:6 and makng connections for inlate out late and over flow inlate out flow pipes etc complete (Si No:3 P-No:18			
ii	31	250 Gallon	21989.61	Each	681678
22	18	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	3627
23	18	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard Pattern	337.92	Each	6083
24	0	P/F handle values (China) (S.I No:7 P-No:14).			
i	0	1/2" dia			
ii	0	3/4" dia	271.92	Each	0
25	945	Boring for Tube Well	160.00	Each	151200

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
26	5	Constructiong manhole or inspectionchamb er for the required dia of circular sewer and 3'-6" (1067 mm) dpth with walls of BB in cement motor 1:3 cement plaster 1:3, 1/2' thick inside of walls and 1" (25 mm) thick over benchingh and channel i/c fixing CI manhole cover with fram of clear opening 1-1/2' x 1., 1/2' (457x457 mm) of 1.75 Cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6" (150 mm) waide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per spacification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent make) fixinbg in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 metere or400ft. (S.I.No:3 Page No:23)			
	450	3"dia	137.00	Each	61650
	450	4"dia	226.00	Each	101700
			TOTAL :-		2937047

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	8596	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	5	S/F Chiiler for Cold water i/c Stablizer		Each	
3	2	P/F piston pump set 1 H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made) (Electric)		Each	
			TOTAL :-		

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- Construction Building for shelterless Primary Schools in Jacobabad (2016-17- Programme) @ gbps Muhammad Nawaz Jakhrani Taluka Jacobabad

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" SCHEDULE ITEMS					
1	3396	Excavation in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structure with excavated earth Watering and ramming lead upto 5 ft (b) in ordinary soil (C.S.I No:18 (b)P.4)	3176.25	%0Cft	10787
2	403	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	35041
3	818	Cement concrete brick or stone ballast 11/2" to 2" guage ratio 1:6:12 (C.S.I No: 4 (D) Page No:15)	8122.95	%Cft	66446
5	2586	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	308985
6	676	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	227812
7	30.178	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	150941
8	2264	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	3424
9	2484	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	9017
11	1069	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 26)	12346.65	%Cft	131986
12	2512	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	318380
13	5917	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.06	%Sft	130533
14	5917	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	130027
15	2611	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1213.58	%Sft	31687
16	521	Cement concrete plain including placing compacting, finishing curing, complete including screening and washing of stone aggregate without shuttering. (CSI No.5(a) P-18)	14429.25	%Cft	75176
17	657	Mosaic tiles of white cement 8" x 8" 1" of approved shade laid flat in 1:2 white cement mortar over a bed of 3/4" thick lime mortar 1:2. (C.S.I No. 45 P-45).	12416.99	%Sft	81580
18	120	Mosire dado skinting one partt of gray cement and two part of marble chips laid over 3/8" thick cement plaster 1:3 complete with finishing (C.S.I No: 39 (a) Page- 45)	9986.71	%Sft	11984
19	77	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4: thick cement mortor 1:2 complete (C.S.I No:24 P-43) .	27678.68	%Sft	21313
20	333	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortor 3/4 " thick including finishing (C.S.I No:37 P-45) .	28253.61	%Sft	94085
21	79	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	18083

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
22	204	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	49062
23	130	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.97).	180.50	P.Sft	23465
24	64	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 aproved design and locking arrangement embedded in massonary as per instruction of engineer in charge. (CSI No.31 P-94)	231.60	P.Sft	14822
25	76	First class deodar wood wrought joinery in doors and windos etcfied inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	68623
26	78	Providing and fixing in position, Doors, Windows and Ventilators of first class deodar wood frames, and 1 3/4" thick commercial , ply veneer shutters of first class deodar skeleton (H ollow) and commercial ply wood (3 ply) on both sides.	856.53	P.Sft	66809
27	124	M/F Grating in opening i/c fixing at site with iron 2" x 3/8" and 3/4" bars 4" centre to centre (CSI No. 25 P.92).	293.15	P.Sft	36351
28	31.820	S/F Girder at Site of Work	3850.00	P.Cwt	122507
29	19.025	S/F T.Iron at Site of Work	3575.00	P.Cwt	68014
3	50.845	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.S.I No:6 P-91).	186.34	P.Cwt	9474
30	1211	1st class tiles roofing consisting of 4"earth and 1" mud plaster with leeping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x1"1/4 tiles laid in 1"6 cement mortar icluding 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.38).	7607.25	%Sft	92124
31	6	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.45	Each	1569
32	64	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	3719
33	32	Providing and fixing deodar Almirah 9"-12" depth including boxing with back shalves shutters rass fitting complete. (C.S.I No:23 P.61).	1778.59	P.Sft	56915
34	52	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8"and 3/4" square bars 4" centre to centre with locking arrangemtnt. (C.S.I No:24 P-92)	726.72	P.Sft	37789
35	683	Providing and laying single per layer of polithin 0.13mm thick for water proffing per specification and instructions of engineer incharge(C.S.I No:38 P.44).	10.70	P.Sft	7308
36	683	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	12891
37	2130	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	248.17	P.Sft	528602
38	1064	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	8831
39	5917	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	26198
40	4047	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	43693
41	2640	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	1948.10	%Sft	51430
42	304	Painting new surface, and paiting of doors and windows any type (i/c edges) 2 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	6434
43	900	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No:4 (d) (ii) P-70).	1270.83	%Sft	11437
TOTAL :-					3211313

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "B"					
1	2	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	9605
2	2	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & l/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3)	4694.80	Each	9390
3	2	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	1877
4	2	P/F 4" x 4" x 4" C.I Branch of the required degree	270.60	Each	541
5	4	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	1789
6		RCC pipe with collar class "B" and dishing the tranches to the required depth and fixing in position l/c cutting fitting and jointing with max phalt composition and cement mortar 1:1 and testing with water pressure to head of 4 Ft above the top of the height			
	20	4" dia	146.57	Each	2931
	20	6" dia	199.25	Each	3985
7	2	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the kerb c.I casing 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	2386
8	2	S/F in position C.P bib cock (S.I No:1(b) P-No:13).	337.92	Each	676
9	4	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & l/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No. 20 Page No.3).	2042.43	Each	8170
10	2	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	403
11		Providing G.I pipe special and clamps etc including fixing cutting and fitting complete with and including cost of breaking through walls and roof making good etc, painting 2 coats after cleaning the pipes etc with white zinc paint with pigment to match t			
	150	1/2" dia	73.21	Each	10982
	100	3/4" dia	95.79	Each	9579
	80	1" dia	128.50	Each	10280
12		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washing (b) standard pattern (Note standard Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	2	1/2" dia	161.92	Each	324
	2	3/4" dia	227.92	Each	456
13	2	S/F swan type pillar cock	877.80	Each	1756
14	2	S/F concealed stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	889.46	Each	1779
15		Supplying & fixing fibre glass tank of approved quality and design and wall thickness as specified l/c cost of nuts, bolts and fixing in platform of cement concrete 1:3:6 and making connections for in-let, & out-let & over flow pipes etc. complete.			
i	1	250 Gallon	21989.62	Each	21990
16		Providing PVC Pipes of class D equivalent make) fixing in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 meters or 400ft. (S.I.No:3 Page No:23)			
i	50	3" dia	137.00	Each	6850
ii	50	4" dia	226.00	Each	11300
17	2	Construction of main holes in inspection chamber.	14748.00	Each	29496
18	55	Boring for tube well in all watering bearing soils from ground level upto 100 ft or 30.5 mt i/c sinking and withdrawing of casing pipe 8mm 3" dia	160.00	Each	8800
TOTAL :-					155349

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
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Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	247	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
			TOTAL :-		

Cost of Bid


Amount Position

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

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

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

CONTRACTOR


EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- Construction Building for shelterless Primary Schools in Jacobabad (2016-17- Programme) @ GBPS Muhammad Qasim Mastoi at Channa Mohalla Taluka Jacobabad

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "A" SCHEDULE ITEMS					
1	3396	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrue with excavated earth Watering and ramming lead upto 5 ft (b) in ordinary soil (C.S.I No:18 (b)P.4)	3176.25	%0Cft	10787
2	403	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:5:10 (C.S.I No: 4 (c) Page No:15)	8694.95	%Cft	35041
3	818	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:6:12 (C.S.I No: 4 (D) Page No:15)	8122.95	%Cft	66446
5	2586	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	308985
6	676	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepretely this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	227812
7	30.178	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	150941
8	2264	Filling watering and raming earth in floor with surplus from foundation lead upto one chain and lift upto 5ft. (C.S.I No: 21 P.4).	1512.50	%0Cft	3424
9	2484	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%0Cft	9017
11	1069	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 26)	12346.65	%Cft	131986
12	2512	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	318380
13	5917	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.06	%Sft	130533
14	5917	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	130027
15	2611	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1213.58	%Sft	31687
16	521	Cement concrete plain including placing compacting, finishing curing, complete including screening and washing of stone aggregate without shuttering. (CSI No.5(a) P-18)	14429.25	%Cft	75176
17	657	Mosaic tiles of white cement 8" x 8" 1" of approved shade laid flat in 1:2 white cement mortar over a bed of 3/4" thick lime mortar 1:2. (C.S.I No. 45 P-45).	12416.99	%Sft	81580
18	120	Mosire dado skinting one partt of gray cement and two part of marble chips laid over 3/8" thick cement plaster 1:3 complete with finishing (C.S.I No: 39 (a) Page- 45)	9986.71	%Sft	11984
19	77	Laying floor of approved with glazed tile 1/4" thick in white cement 1:2 over 3/4" thick cement mortor 1:2 complete (C.S.I No:24 P-43) .	27678.68	%Sft	21313
20	333	White glazed tile 14" thick dado jointed in white cement and laid over 1:2 cement sand mortor 3/4 " thick including finishing (C.S.I No:37 P-45) .	28253.61	%Sft	94085
21	79	Providing and fixing G.I frames /Chowkates 7"2" or 41/2" x 3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ration 1:6 and repairing the jambs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:29 P.93).	228.90	P.Rft	18083

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
22	204	Providing and fixing G.I frames /Chowkates 7"2" or 4 1/2" x 3" for windows using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary hols fast filling with cement sand slurry of ratio 1:6 and repairing the janbs. Cost also i/c all carrage tools and plants used in making and fixing (C.S.I No:28 P.93).	240.50	P.Rft	49062
23	130	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etcomplete weightg not less than 3.7 lbs of finshed grill (C.S.I No:26 P.97).	180.50	P.Sft	23465
24	64	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 aproved design and locking arrangement embedded in massonary as per instruction of engineer in charge. (CSI No.31 P-94)	231.60	P.Sft	14822
25	76	First class deodar wood wrought joinery in doors and windos etcfied inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	68623
26	78	Providing and fixing in position, Doors, Windows and Ventilators of first class deodar wood frames, and 1 3/4" thick commercial , ply veneer shutters of first class deodar skeleton (H ollow) and commercial ply wood (3 ply) on both sides.	856.53	P.Sft	66809
27	124	M/F Grating in opening i/c fixing at site with iron 2" x 3/8" and 3/4" bars 4" centre to centre (CSI No. 25 P.92).	293.15	P.Sft	36351
28	31.820	S/F Girder at Site of Work	3850.00	P.Cwt	122507
29	19.025	S/F T.Iron at Site of Work	3575.00	P.Cwt	68014
3	50.845	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.S.I No:6 P-91).	186.34	P.Cwt	9474
30	1211	1st class tiles roofing consisting of 4"earth and 1" mud plaster with leeping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x1"1/4 tiles laid in 1"6 cement mortar icluding 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.38).	7607.25	%Sft	92124
31	6	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.45	Each	1569
32	64	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	3719
33	32	Providing and fixing deodar Almirah 9"-12" depth including boxing with back shalves shutters rass fitting complete. (C.S.I No:23 P.61).	1778.59	P.Sft	56915
34	52	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8"and 3/4" square bars 4" centre to centre with locking arrangemtnt. (C.S.I No:24 P-92)	726.72	P.Sft	37789
35	683	Providing and laying single per layer of polithin 0.13mm thick for water proffing per specification and instructions of engineer incharge(C.S.I No:38 P.44).	10.70	P.Sft	7308
36	683	Two coats of bitumen laid hot using 34"Lbs for 100sft over roof and blinded with sand at 1Sft per 100sft (C.S.I No:13 P.35).	1887.40	%Sft	12891
37	2130	P/F Fixing paving blocks flooring having size of 197x97x80 (mm) of city / guddra / 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 (C.S.I No. 74 P-50).	248.17	P.Sft	528602
38	1064	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	8831
39	5917	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	26198
40	4047	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	43693
41	2640	Preparing the surface and painting with weather coat l/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. Three coats (CSI No. 38 (c) P. No. 56)	1948.10	%Sft	51430
42	304	Painting new surface, and paiting of doors and windows any type (i/c edges) 2 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	6434
43	900	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No:4 (d) (ii) P-70).	1270.83	%Sft	11437
TOTAL :-					3211313

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
PART "B"					
1	2	Providing & fixing squatting type white glazed of flush cistern with internal fitting & flush pipe with bend and making requisite numbers of holes in wall plinth & floor for pipe connection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumb. (S.I No:1 (b) i P-No:1)	4802.60	Each	9605
2	2	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & 1/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malleable iron or c.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard pattern). (S.I No:8 P-No:3)	4694.80	Each	9390
3	2	Add: extra labour for providing and fixing of earthen wire pedestal white or colored glass standard pattern (S.I No:9 P-No:3).	938.47	Each	1877
4	2	P/F 4" x 4" x 4" C.I Branch of the required degree	270.60	Each	541
5	4	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I No:23 P-No:6).	447.15	Each	1789
6		RCC pipe with collar class "B" and dishing the tranches to the required depth and fixing in position 1/c cutting fitting and jointing with max phalt composition and cement mortar 1:1 and testing with water pressure to head of 4 Ft above the top of the height			
	20	4" dia	146.57	Each	2931
	20	6" dia	199.25	Each	3985
7	2	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the kerb c.I casing 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	2386
8	2	S/F in position C.P bib cock (S.I No:1(b) P-No:13).	337.92	Each	676
9	4	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & 1/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No. 20 Page No.3).	2042.43	Each	8170
10	2	Providing & fixing 4" x 4" dia plain C.I branch of the required degree including extra painting to match the colour of the building.	201.50	Each	403
11		Providing G.I pipe special and clamps etc including fixing cutting and fitting complete with and including cost of breaking through walls and roof making good etc, painting 2 coats after cleaning the pipes etc with white zinc paint with pigment to match t			
	150	1/2" dia	73.21	Each	10982
	100	3/4" dia	95.79	Each	9579
	80	1" dia	128.50	Each	10280
12		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washing (b) standard pattern (Note standard Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	2	1/2" dia	161.92	Each	324
	2	3/4 dia	227.92	Each	456
13	2	S/F swan type pillar cock	877.80	Each	1756
14	2	S/F concealed stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	889.46	Each	1779
15		Supplying & fixing fibre glass tank of approved quality and design and wall thickness as specified 1/c cost of nuts, bolts and fixing in platform of cement concrete 1:3:6 and making connections for in-let, & out-let & over flow pipes etc. complete.			
i	1	250 Gallon	21989.62	Each	21990
16		Providing PVC Pipes of class D equivalent make) fixing in trench 1/c cutting fitting and jointing with "Z" joint with one rubber Ring 1/c testing with water to head of 122 meters or 400ft. (S.I.No:3 Page No:23)			
i	50	3" dia	137.00	Each	6850
ii	50	4" dia	226.00	Each	11300
17	2	Construction of main holes in inspection chamber.	14748.00	Each	29496
18	55	Boring for tube well in all watering bearing soils from ground level upto 100 ft or 30.5 mt 1/c sinking and withdrawing of casing pipe 8mm 3" dia	160.00	Each	8800
TOTAL :-					155349

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
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Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	247	Providing & laying floor of Verona marble tiles of size 12" x 12" x ¾" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of titles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
TOTAL :-					

Cost of Bid

Amount Position

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

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

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

CONTRACTOR

EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- Rehabilitation / Improvement / Renovation and Provision of Missing Facilities in Primary / Elementary Schools in District Jacobabad (2016-17 Programme) @ GBPS Khairuddin Lashari Taluka Thull

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" SCHEDULE ITEMS</u>					
1	923	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	11866
2	1097	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	4148
3	28.607	Dismantling Rolled steel beams, iron rails etc (C.S.I No:42 P-13).	126.04	P.cwt	3606
4	1508	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	1825
5	441	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	41526
6	162	Pacca brick work in foundation and plinth in cement sand mortor ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	19356
7	149	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (1)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	50213
8	7.982	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	39924
9	3866	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%oCft	14034
11	1335	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	169203
12	135	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	16668
13	5290	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	116729
14	5290	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	116249
15	1260	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	16222
16	41	First class deodar wood wrought joinery in doors and windos etcfied inosition l/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	37020
17	8.205	S/F Girder at Site of Work	3850.00	P.Cwt	31589
18	16.500	S/F T.Iron at Site of Work	3575.00	P.Cwt	58988
19	24.705	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.S.I No:6 P-91).	186.34	P.Cwt	4604
20	1097	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortor including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	83452
21	73	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design l/c painting three coats etccomplete weightg not less than 3.7 lbs of finished grill (C.S.I No:26 P.93).	180.50	P.Sft	13177
22	218	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttring Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	31456
23	679	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortor 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	207161

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
24	432	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42) .	4411.82	%Sft	19059
25	6	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	1568
26	679	Supplying & Fixing false ceiling of plaster paris, in panels including making farme work of deodar wood including painting with soligia paint (C.SI No: 52 P-64).	25293.42	%Sft	171742
27	5290	Praparing the surface and painting with matt finish i/c rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink/ chalj/ plaster of paris mixture , applying first coat premix making the surface smooth and then painting 3 coat with matt finish of aproved make etc complet (New Surface) Three Coat. (CSI No. 36 (C) Page No. 55).	3444.38	%Sft	182208
28	1260	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	32356
29	273	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	5778
30	140	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	1779
31	131	Providing and fixing 3/8" thick marble tiles of approved quality and coloum shade size 8" x 4/6" x 4" in dado skitring and facing removal / tucking of exiting plaster surface etc over 1/2" thick base of cement mortor 1:3 setting mortor base including filling the joints and washing of tiles wiht white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.SI No: 68 (i) P-49).	186.04	P.Sft	24371
			TOTAL :-		1527878

PART "B"

1	2	Providing & fixing squating type white glazed of flushe cisten with internal fitting&flush pippe with bend and making requesite numbers of holes in wall plinth & floor for pipe conection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumble. (S.I No:1 (b) i P-No:1)	4802.60	Each	9605
2	2	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & I/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coast after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malloable iron or c.P brass traps malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	8507
3	2	Add: extra labour for providing and fixing of earthen wire padestle whiute or colored glass standared pattern (S.I No:9 P-No:3).	938.47	Each	1877
4	4	P/F in position nyloon connections complete with 1/2"dia brass stop cock with pair of brass nuts and lining joints to nyloon connection (S.I No:23 P-No:6).	447.15	Each	1789
5	2	P/F 6" x 4" c.c gully trap with 4" dia out let complete with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	2386
6	2	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	4085
7		RCC pipe with colar class "B" and didding the traches to the required depth an fixing in positin I/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of theheight			
	50	4"dia	146.57	Each	7329
	30	6" dia	199.25	Each	5978
8		Providing G.I pipe special and clamps etc including fixing cutting and fitting complete with and including cost of breaking throuhg walls and roof making good etc, painting 2 coats after cleaning the pipes etc with white zink paint with pigment to match t			

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
	100	1/2" dia	73.21	Each	7321
	50	3/4" dia	95.79	Each	4790
	30	1" dia	128.50	Each	3855
	20	1 1/4" dia	153.19	Each	3064
9		Add: extra labor for concealed G.I pipe and fitting l/c making recess in the wall for pipe and making good in cement mortar etc complete (S.I No:2 P-No:11).			
	100	1/2" dia	7.82	Each	782
	50	3/4" dia	8.45	Each	423
10		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washing (b) standard pattern (Note standard Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	2	1/2" dia	161.92	Each	324
	2	3/4" dia	227.92	Each	456
8	4	S/F concealed stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	1913
9	1	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	1109
10	1	S/F wash basin mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	2882
11	1	S/F swan type pillar cock	795.00	Each	795
12		P/F handle valves (China) (S.I No:7 P-No:14).			
i	2	3/4" dia	271.92	Each	544
ii	2	1" dia	365.42	Each	731
13		Supplying & fixing fibre glass tank of approved quality and design and wall thickness as specified l/c cost of nuts, bolts and fixing in platform of cement concrete 1: 3: 6 and making connections for in-let & out-let & over flow pipes etc. complete.			
i	1	250 Gallon	21989.62	Each	21990
14	80	Boring for tube well in all watering bearing soils from ground level upto 100 ft or 30.5 mt i/c sinking and withdrawing of casing pipe 8mm 3" dia	160.00	Each	12800
15	2	Construction of main hole in inspection chamber.	14748.00	Each	29496
16		Providing PVC Pipes of class D equivalent make) fixing in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 meters or 400ft. (S.I.No:3 Page No:23)			
i	100	3" dia	137.00	Each	13700
ii	100	4" dia	226.00	Each	22600
17	1	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and l/c the cost of white/black plastic seat (Best Quality) and lid with c.P brass hinges and buffers, 3 gallons white glazed earthen ware low level flushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in walls, plinth and floor for Pipe connections and making good in cement concrete 1: 2: 4. (Foreign Quality).	11477.00	Each	11477
TOTAL :-					182610

Amount Total (CSR)

Part "A"	% Above / Below _____	Total Amount _____
Part "B"	% Above / Below _____	Total Amount _____
		Total "A+B" _____

NON SCHEDULE ITEMS

1	752	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of tiles, including culling, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
TOTAL :-					

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
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Cost of Bid

Amount

Position

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

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

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

CONTRACTOR



EXECUTIVE ENGINEER
 EDUCATION WORKS DIVISION
 JACOBABAD

BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

NAME OF WORK :- Maintenance & Repair work of 2016-17 Programme @ GBPS Ali Sher Jakhraani Taluka Garhi Khairo

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<u>PART "A" SCHEDULE ITEMS</u>					
1	923	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	11866
2	1097	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	4148
3	28.607	Dismantling Rolled steel beams, iron rails etc (C.S.I No:42 P-13).	126.04	P.cwt	3606
4	1508	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	1825
5	441	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio 1:4:8 (C.S.I No: 4 (b) Page No:15)	9416.28	%Cft	41526
6	162	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6(C.S.I No:4 (e) P.21).	11948.36	%Cft	19356
7	149	Rein forced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid sepreately this rate also includes all kinds of forms moulds:lifting shuttering curing rending and finishing the exposed surface (including screening and washing of shingle) (a) RC work in slabe bams columns rafts lintels and other structural members laid in situ or pre cost laid in position complete in all respects. (I)Ratio (1:2:4) 90 Lbs cement 2 Cft. sand 4 Cft . shingle 1/8" to 1/4" guage.(C.S.I No:6 A (1) P.17).	337.00	P.Cft	50213
8	7.982	Fabrication of Tor steel reinforcement for cement concrete including cutting bending and laying in position making joints and fastings including cost of binding wire also includes removal of rust from bars (C.S.I No:8 B P.17).	5001.70	P.Cwt	39924
9	3866	Filling watering and raming earth under floor with new earth excavated from outside lead upto on chain and lift upto 5ft. (C.S.I No: 22 P.4).	3630.00	%oCft	14034
11	1335	Pacca brick work in ground floor in cement sand mortar ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	169203
12	135	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	%Cft	16668
13	5290	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	116729
14	5290	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	116249
15	1260	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	16222
16	41	First class deodar wood wrought joinery in doors and windos etcfied inosition I/c in chwoakts holds fasts hings iron tower bolts chowks cleats handles and cards with hooks etc Deodar paneled or paned are fully glazed 1/3/4"only shutter (C.S.I No:7 (b) P.58).	902.93	P.Sft	37020
17	8.205	S/F Girder at Site of Work	3850.00	P.Cwt	31589
18	16.500	S/F T.Iron at Site of Work	3575.00	P.Cwt	58988
19	24.705	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.S.I No:6 P-91).	186.34	P.Cwt	4604
20	1097	2nd class tiles roofing consisting of 4"earth and 1" mud plaster with leaping over 1/2"thick cement plaster 1:6 with 34 lbs of hot bitumen coating sand blinded provided over one layer of 12"x6"x2"tiles laid in 1"6 cement mortar including 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:2 P.33).	7607.25	%Sft	83452
21	73	Suppling and fixing in position iron steel grill of 3/4"x 1/4" size flate iron of approved design I/c painting three coats etccomplete weightg not less than 3.7 lbs of finished grill (C.S.I No:26 P.93).	180.50	P.Sft	13177
22	218	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shuttering Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	31456
23	679	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (C.S.I No:60 P-47).	30509.77	%Sft	207161

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
24	432	Providing and lying 3" thick topping cement concrete 1:2:4. Including surface finishing dividing into panels (C.S.I No:16 (d) P-42).	4411.82	%Sft	19059
25	6	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	Each	1568
26	679	Supplying & Fixing false ceiling of plaster paris, in panels including making frame work of deodar wood including painting with soligia paint (C.SI No: 52 P-64).	25293.42	%Sft	171742
27	5290	Preparing the surface and painting with matt finish i/c rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink/ chaj/ plaster of paris mixture, applying first coat premix making the surface smooth and then painting 3 coat with matt finish of aproved make etc complet (New Surface) Three Coat. (CSI No. 36 (C) Page No. 55).	3444.38	%Sft	182208
28	1260	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. Three coats (CSI No. 38 (c) P. No. 56)	2567.95	%Sft	32356
29	273	Painting new surface, and paiting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	5778
30	140	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	1779
31	131	Providing and fixing 3/8" thick marble tiles of approved quality and coloum shade size 8" x 4/6" x 4" in dado skitring and facing removal / tucking of exiting plaster surface etc over 1/2" thick base of cement mortor 1:3 setting mortor base including filling the joints and washing of tiles wiht white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.SI No: 68 (i) P-49).	186.04	P.Sft	24371
TOTAL :-					1527878

PART "B"

1	2	Providing & fixing squatting type white glazed of flushe cisten with internal fitting&flush pippe with bend and making requesite numbers of holes in wall plinth & floor for pipe conection & making good in cement concrete 1:2:4. W.C not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap with C.I thumble. (S.I No:1 (b) i P-No:1)	4802.60	Each	9605
2	2	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coast after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate brass chain 1-1/4" dia malloable iron or c.P brass traps malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1: 2: 4 (Standard pattern). (S.I No:8 P-No:3).	4253.70	Each	8507
3	2	Add: extra labour for providing and fixing of earthen wire padestle whiute or colored glass standared pattern (S.I No:9 P-No:3).	938.47	Each	1877
4	4	P/F in position nyloon connections complete with 1/2"dia brass stop cock with pair of brass nuts and lining joints to nyloon connection (S.I No:23 P-No:6).	447.15	Each	1789
5	2	P/F 6" x 4" c.c gully trap with 4" dia out let complte with 4" thick 1:2:4 c.c for bed and 1/2" thick cement plaster 1:3 to the karb c.I caning 6" x 6" and c.I cover and frame 12" x 12" in side etc complete (S.I No:1(a-i) P-No:21).	1193.17	Each	2386
6	2	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating with or without a vent arm complete with & i/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1:2:4. (S.I No.. 20 Page No.3).	2042.43	Each	4085
7		RCC pipe with colar class "B" and didding the traches to the required depth an fixing in positin i/c cutting fitting and jointing with max phalt composition and cemen mortor 1:1 and testing with water presure to head of 4 Ft aboe the top of theheight			
	50	4"dia	146.57	Each	7329
	30	6" dia	199.25	Each	5978
8		Providing G.I pipe special and clamps etc including fixing cutting and fitting complete with and including cost of breaking throuhg walls and roof making good etc, painting 2 coats after cleaning the pipes etc with white zink paint with pigment to match t			

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
	100	1/2" dia	73.21	Each	7321
	50	3/4" dia	95.79	Each	4790
	30	1" dia	128.50	Each	3855
	20	1 1/4" dia	153.19	Each	3064
9		Add: extra labor for concealed G.I pipe and fitting l/c making recess in the wall for pipe and making good in cement mortar etc complete (S.I No:2 P-No:11).			
	100	1/2" dia	7.82	Each	782
	50	3/4" dia	8.45	Each	423
10		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washing (b) standard pattern (Note standard Manufacture by M/S Anwar Mechanical works (S.I No:4 (b) P-No:17).			
	2	1/2" dia	161.92	Each	324
	2	3/4" dia	227.92	Each	456
8	4	S/F concealed stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	1913
9	1	S/F long bib cock of crystal head with c.p head 1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	1109
10	1	S/F wash basin mixture of superior quality with c.p head 1/2" dia with crystal head (S.I No:16 (b) P-No:15).	2882.00	Each	2882
11	1	S/F swan type pillar cock	795.00	Each	795
12		P/F handle valves (China) (S.I No:7 P-No:14).			
i	2	3/4" dia	271.92	Each	544
ii	2	1" dia	365.42	Each	731
13		Supplying & fixing fibre glass tank of approved quality and design and wall thickness as specified l/c cost of nuts, bolts and fixing in platform of cement concrete 1: 3: 6 and making connections for in-let & out-let & over flow pipes etc. complete.			
i	1	250 Gallon	21989.62	Each	21990
14	80	Boring for tube well in all watering bearing soils from ground level upto 100 ft or 30.5 mt i/c sinking and withdrawing of casing pipe 8mm 3" dia	160.00	Each	12800
15	2	Construction of main hole in inspection chamber.	14748.00	Each	29496
16		Providing PVC Pipes of class D equivalent make) fixing in trench i/c cutting fitting and jointing with "Z" joint with one rubber Ring i/c testing with water to head of 122 meters or 400ft. (S.I.No:3 Page No:23)			
i	100	3" dia	137.00	Each	13700
ii	100	4" dia	226.00	Each	22600
17	1	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and l/c the cost of white/black plastic seat (Best Quality) and lid with c.P brass hinges and buffers, 3 gallons white glazed earthen ware low level flushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in walls, plinth and floor for Pipe connections and making good in cement concrete 1: 2: 4. (Foreign Quality).	11477.00	Each	11477
TOTAL :-					182610

Amount Total (CSR)

Part "A" % Above / Below _____ Total Amount _____

Part "B" % Above / Below _____ Total Amount _____

Total "A+B" _____

NON SCHEDULE ITEMS

1	752	Providing & laying floor of Verona marble tiles of size 12" x 12" x 3/4" fine dressed on the surface without winding set in white cement laid over 3 / 4" thick bed of 1:2 grey cement mortar setting the tiles with grey cement slurry, jointing and washing the tiles with slurry of white cement and pigment to match the colour of tiles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
TOTAL :-					

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
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Cost of Bid

Amount


Position

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

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

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

CONTRACTOR


EXECUTIVE ENGINEER
EDUCATION WORKS DIVISION
JACOBABAD