

SPP 36888



**OFFICE OF THE**

**EXECUTIVE ENGINEER, EDUCATION WORKS DIVISION KASHMORE KANDHKOT**

**No. EE/EWD/SAC/ 950 of 2018**

**K'KOT, Dated: 23 -02-2018**

To,

The Director (A&F),  
Sindh Public Regulatory Authority,  
**KARACHI.**

**SUBJECT: SUBMISSION OF THE CORRIGENDUM ALONG WITH RELEVANT DOCUMENTS FOR LOADING ON SPPRA WEBSITE.**

It is submitted that the required / relevant documents of this office corrigendum No. EE/EWD/TC/ 932 dated: 21-2018, (along with Softcopy) are submitted herewith for favour of your kind information and loading for hoisted on your official website.

Sr No.	Particular	Remarks
1.	Corrigendum	Attached
2.	Bidding Documents / Bidding Data & Bill of Quantities	Attached
3.	Notification of Procurement Committee	Attached
4.	Notification of Compliant Redressal Committee	Attached
5.	Procurement Plan 2016-17	Attached

D/As.....Above

  
EXECUTIVE ENGINEER  
EDUCATION WORKS DIVISION  
KASHMORE @ KANDHKOT

SPPRA INWARD DIARY  
NO : 3226  
DATED : 27-02-18 -

Sayed CB



**OFFICE OF THE  
EXECUTIVE ENGINEER EDUCATION WORKS  
DIVISION KASHMORE @ K.KOT**

No. EE/EWD/T.C/932 Kashmir K.Kot dated 21.2.2018

Read: This office NIT No. EE/EWD/TC/920  
Dated:- 09-02-2018

**CORRIGENDUM:-**

In partial modification of the NIT No. EE/EWD/TC/ 920 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.

**1<sup>st</sup> Attempt:**

Issuance form the date of 1<sup>st</sup> publication up to 12-03-2018.

Submission date : 13-03-2018 up to 12.00 (Noon)

Opening Dated : 13-03-2018 at 01.00 (P.M)

**2<sup>nd</sup> Attempt:**

Issuance form the date of 1<sup>st</sup> publication up to 14-03-2018.

Submission date : 28-03-2018 up to 12.00 (Noon)

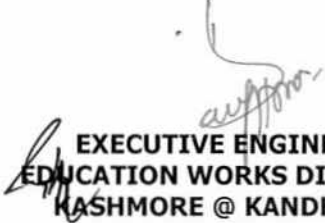
Opening Dated : 28-03-2018 at 01.00 (P.M)

All other terms & conditions will remain un-changed.

  
**Executive Engineer  
Education Works Division  
Kashmore @ Kandhkot**

*CFWCs to:*

- The Deputy Commissioner, Kashmore @ Kandhkot 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, 1<sup>st</sup> Floor, Karachi for floating tenders on website.
- The Executive Engineer, Roads Division / Buildings Division, Kashmore @ Kandhkot.
- The Assistant Engineer, Education Works Sub-Division, Kashmore / Kandhkot, 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  
KASHMORE @ KANDHKOT**

## LIST OF WORKS

SN O.	SIMIS CODE		NAME OF SCHEMES / LOCATION	TALUKA	ESTIMATED IN MILLION COST	EARNEST MONY IN MILLION	TENDER FEE IN RUPEES	TIME ALLOWED
<b>Rehabilitaion / Expansion of High Priority 4560-Schools @ District Kashmore @ Kandhkot (Primary &amp; Elementary Schools).</b>								
<b>Package No.1</b>					<b>38.936</b>	<b>1.947</b>	<b>3000</b>	<b>4 Months</b>
1	426010291	GBPS	ADRESH	K'Kot				
2	426010242	GBPS	SHAHBAZ KHAN NOONARI	do				
3	426010170	GBPS	MEHAR DIL QAMBRANI	do				
4	426010064	GBPS	NAWAB KHAN MANGRIO	do				
5	426010141	GGPS	GHULAM HUSSAIN CHACHAR	do				
6	426030345	GBPS	MIANI SOHRAB	do				
<b>Package No.2.</b>					<b>33.542</b>	<b>1.677</b>	<b>3000</b>	<b>4 Months</b>
7	426030346	GBPS	KHAMISO KHAN OGAHI	K'Kot				
8	426010232	GBPS	MUMTAZ ABAD	do				
9	426010158	GBPS	MARKH KHAN BHAYO	do				
10	426010246	GBPS	JAHAN KHAN BHANGWAR	do				
11	426030077	GBPS	WAHID BIJARANI	do				
<b>Package No.3</b>					<b>37.165</b>	<b>1.858</b>	<b>3000</b>	<b>4 Months</b>
12	426010189	GBPS	MIANI QAISER KHAN	K'Kot				
13	426010188	GBPS	WAHID BUX BHAYO	do				
14	426030454	GBPS	RISAL DAR	do				
15	426010129	GGPS	AWAN MOHALLA KANDHKOT	do				
16	426010250	GBPS	AHMEDAN BHANGWAR	do				
17	426010294	GBPS	RAIS ALLAH BUX CHACHAR	do				
18	426010047	GBPS	BASHIR ABAD	do				
<b>Package No.4</b>					<b>38.811</b>	<b>1.941</b>	<b>3000</b>	<b>4 Months</b>
19	426010219	GBPS	MOHSIN SHAH	K'Kot				
20	426010216	GBPS	ARBAB OGAHI	do				
21	426010231	GBPS	WORK SHOP	do				
22	426010279	GBPS	ABDUL KHALIQUE BANGWAR	do				
23	426010274	GBPS	SYED MEHAR SHAH	do				
24	426030336	GBPS	ALLAH WARAYO KHAN BAHALKANI	do				
<b>Package No.5</b>					<b>37.110</b>	<b>1.856</b>	<b>3000</b>	<b>4 Months</b>
25	426010219	GBPS	MEER MUHAMMAD SUBZOI	K'Kot				
26	426010004	GBPS	Mirzapur (Old)	do				
27	426010032	GBLSS	MIRZAPUR NEW	do				
28	426010007	GBPS	MAQBOOL AHMED SOOMRO	do				
29	426010295	GBPS	GHULAM HUSSAIN CHACHAR	do				
<b>Package No.6</b>					<b>37.593</b>	<b>1.880</b>	<b>3000</b>	<b>4 Months</b>



30	426030229	GBPS	HAJI KHAIR MUHAMMAD	T'gwani				
31	426030286	GBPS	HAMZO KHAN OGAHI	do				
32	426030263	GBPS	MUHAMMAD IBRAHIM KHAN BAJKANI	do				
33	426010270	GBPS	LAL BUX LASHARI	do				
34	426010272	GBPS	DODO KHAN NASIRANI @ MIR AHMED NASEERANI	K.Kot				
	<b>Package No.7</b>				<b>35.600</b>	<b>1.780</b>	<b>3000</b>	<b>4 Months</b>
35	426030391	GBPS	GUL MUHAMMAD BIJARANI	T'gwani				
36	426030261	GBPS	JHANDO KHAN JAFFERI	do				
37	426030354	GBPS	MAHMOOD KHAN BIJARANI	do				
38	412030461	GBPS	MIR HAZAAR KHAN BIJARANI	do				
39	426030348	GBPS	KARIM KHAN BIJARANI	do				
40	426030472	GBPS	PIR JAN	do				
41	426030516	GBPS	MOLVI MUHAMMAD SALEH MALIK (BR)	do				
42	426030523	GBPS	HAJI SHERAL MALIK	do				
	<b>Package No.8</b>				<b>38.890</b>	<b>1.945</b>	<b>3000</b>	<b>4 Months</b>
43	426030302	GBPS	AIT BAR BROHI	T'gwani				
44	426030297	GBPS	PARTO MALIK	do				
45	426030499	GBPS	WAHID BUX JAFFERY	do				
46	426010256	GBPS	HAZOR BUX OGAHI	do				
47	426020177	GGPS	ABDUL BARI KHOSO	do				
48	426030056	GBPS	MIR MEHRAN KHAN	do				
	<b>Package No.9</b>				<b>35.093</b>	<b>1.755</b>	<b>3000</b>	<b>4 Months</b>
49	426030102	GBPS	MEHBOOB OGAHI	T'gwani				
50	426030435	GBPS	JANIB LASHARI	do				
51	426030576	GBLSS	NOOR MUHAMMAD JAMALI	do				
52	426020140	GBPS	FIDA HUSSAIN SOOMRO	do				
	<b>Package No.10</b>				<b>33.400</b>	<b>1.670</b>	<b>3000</b>	<b>4 Months</b>
53	426020277	GBPS	DIN MUHAMMAD DASTI	K'More				
54	426020023	GBPS	ZANGI JAKHRANI	do				
55	426020455	GBPS	MUHAMMAD MOOSA NAICH	do				
56	426020426	GBPS	BADANI NO: II	do				
57	426020402	GBPS	LASHKAR KHAN	do				
	<b>Package No.11</b>				<b>33.000</b>	<b>1.650</b>	<b>3000</b>	<b>4 Months</b>
58	426020109	GBPS	ABDUL HAMEED KHOSO	K'More				
59	426020099	GBPS	RAIS MUHAMMAD UMER BHUTTO	do				
60	426030505	GBPS	ABDUL WAHID KHOSO	do				
61	426020414	GBPS	DILSHAD JAKHRANI	do				
62	426020495	GBPS	ALAW UD DIN KHOSO	do				
63	426020255	GBPS	FATEH MUHAMMAD MACHI COLONY	do				
64	426020299	GBPS	ALTAF HUSSAIN NO.II	do				
	<b>Package No.12</b>				<b>31.500</b>	<b>1.575</b>	<b>3000</b>	<b>4 Months</b>
65	426020047	GBPS	MOLI JO DARO	K'More				

66	426020442	GBPS	NASSAR UD DIN KHOSO	K'More				
67	426020307	GBPS	LAL BUX CHACHAR	do				
68	426020074	GBPS	HAZOR BUX LANJWANI	do				
69	426020254	GBPS	ABDULLAH BHATTI	do				
	<b>Package No.13</b>				<b>30.000</b>	<b>1.500</b>	<b>3000</b>	<b>4 Months</b>
70	426020187	GGPS	COLONY NO 1 KASHMORE	K'More				
71	426020368	GBPS	COLONY NO 1 KASHMORE	do				
72	426020500	GBPS	SYED ZULFIQAR ALI SHAH	do				
	<b>Package No.14</b>				<b>30.700</b>	<b>1.535</b>	<b>3000</b>	<b>4 Months</b>
73	426020529	GBPS	GHULAM HYDER KHAN JAKHRANI	K'More				
74	426020365	GBLSS	BANHON LASHARI	do				
75	426020160	GBPS	MOLVI SHAH MURAD GOLO	do				
76	426010306	GBPS	MADARSAH MUHAMMADI	do				
77	426010263	GBPS	GBPS Dilijan @ Siddique Noonari	do				
78	426010405	GBPS	GBPS Bebarak @ Baloch Golato	do				
79	426020425	GBPS	BADANI (MAIN)	do				
	<b>Package No.15</b>				<b>30.716</b>	<b>1.536</b>	<b>3000</b>	<b>4 Months</b>
80	426010223	GBPS	JATOI CHACHAR	K.Kot				
81	426010217	GBPS	GHULAM RASOOL OGAHI	do				
82	426010282	GBPS	TAHAFIZUL QURAN	do				
83	426010040	GBPS	GHULAM MUHAMMAD KHOSO	do				
84	426010048	GBPS	GAMAN KHAN	do				
85	426010151	GBPS	DOST ALI SUHRIYANI	do				
86	426010142	GBPS	MUHAMMAD SULEMAN CHIJAN	do				
	<b>Package No.16</b>				<b>30.000</b>	<b>1.500</b>	<b>3000</b>	<b>4 Months</b>
87	426020213	GGPS	PANDHI KALWAR	K'More				
88	426020367	GBPS	PANDHI KALWAR	do				
89	426020364	GBPS	MADARSAH AHYA UL ULOOM	do				
90	426020162	GBPS	SHER MUHAMAMD NAICH	do				
	<b>Package No.17</b>				<b>30.000</b>	<b>1.500</b>	<b>3000</b>	<b>4 Months</b>
91	426020372	GBPS	GUDDU	K'More				
92	426020191	GBPS	GGPS Kashmore	do				
93	426020248	GBPS	PIR ABDUL SATTAR SHAH	do				
94	426020251	GBPS	ALI BUX SOLANGI	do				

**SECONDARY / HIGHER SECONDARY SCHOOLS**

	<b>Package No.18</b>				<b>30.000</b>	<b>1.500</b>	<b>3000</b>	<b>4 Months</b>
95	426010348	GGHS -	GHOUS PUR	K'Kot				
96	426030568	GGHS	TANGWANI (CAMPUS)	T'gwani				
	<b>Package No.19</b>				<b>34.450</b>	<b>1.723</b>	<b>3000</b>	<b>4 Months</b>
97	426030586	GBHS -	BALACH KHAN DAHANI	T'gwani				
98	426030563	GBHS -	SHERAN BHAYO (Campus)	do				
99	426020547	GGHS -	KASHMORE	K'More				
	<b>DEVELOPMENT SCHEMES OF OGDCL FUNDS AND CSR CHACHAR BLOCK PPL</b>							

100		GBHS Dari (Boundary Wall)	K'Kot	1.300	0.065	3000	6 Months
<b>Priority of School (Community Development Programme for Sustainable Development Goals 2017-</b>							
101		GPS Alif Khan Bijarani (C/R & Room)	Tangwani	2.000	0.100	3000	6 Months
102		<b>Reconstruction of Four Class Rooms for Shafi Muhammad Khoso.</b>	Kashmore	6.000	0.300	3000	12 Months
<b>DISTRICT ADP SCHEMES 2016-17</b>							
103		GGHS Guddu (Balance Work)	Kashmore	3.200	0.160	3000	6 Months
<b>NEW DISTRICT ADP SCHEMES 2016-17</b>							
104		GPS Shabirabad (Repair / Renovation)	Tangwani	1.900	0.095	3000	6 Months
105		GMS Shabirabad (Repair / Renovation)	Tangwani	6.800	0.340	3000	12 Months
106		GBPS Mansoorabad (Repair / Renovation)	Tangwani	3.300	0.165	3000	12 Months
105		GPS Dhago Jagirani (2 C/R)	Tangwani	1.800	0.090	3000	12 Months
<b>Rehabilitation / Improvement / Renovation and Provision of Missing Facilities in Secondary / Higher Secondary Schools in District Jacobabad (2016-17 Programme)</b>							
106		GBHS Karampur	Tangwani	6.500	0.325	3000	6 Months
<b>Early Childhood Education (ECE) Intervention Larakana Division 2 Units in District Kashmore @ Kandhkot (ADP 155 of 2017-18)</b>							
107		GBPS Mumtazabad	K'Kot	1.490	0.075	3000	6 Months
108		GBPS Madarsah Ahya-Ul-Uloom	Kashmore	1.490	0.075	3000	6 Months

  
 EXECUTIVE ENGINEER  
 EDUCATION WORKS DIVISION  
 KASHMORE @ KANDHKOT

## **BIDDING DATA**

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

**NIT No. EE/EWD/TC/**

**Dated: 21.02.2017**

- (a) Name of Procuring Agency Executive Engineer, Education Works Division K'Kot
- (b) Brief Discription of Works \_\_\_\_\_
- (c) Procuring Agency Address Near NADRA Office Kashmore @ Kandhkot
- (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 12:00 PM
- (j) Venue, Time and Date of Bid Opening 13.01.2018 at 01:00 PM
- (k) Time for completion from written order of commences 04 Months
- (L) Liquidity Damages -
- (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  
KASHMORE @ KANDHKOT



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)<br>Concerned Education Works Division<br>Education & Literacy Department                    | Chairman |
| 2. | Assistant Engineer<br>Local Government Public Health Engineering Department  | Member   |
| 3. | Assistant Engineer (Education Works) of Headquarter<br>Concerned Education Works sub Division<br>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 28<sup>th</sup> 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.)

28/04/15

# PROCUREMENT PLAN 2017-18

## IN RESPECT OF EDUCATION WORKS DIVISION KASHMORE @ KANDHKOT

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 Kashmore @ Kandhkot (Primary & Elementary Schools).


Rehabilitaion / Expansion of High Priority 4560-Schools @ District Kashmore @ Kandhkot (Primary & Elementary Schools).

<b>Package No.1</b>		<b>38.936</b>	Provincial ADP	NCB	38.936	38.936	<b>Package No.1</b>		9.734	9.734	9.734	9.734
1	426010291 GBPS ADRESH						1	426010291 GBPS ADRESH				
2	426010242 GBPS SHAHBAZ KHAN NOONARI						2	426010242 GBPS SHAHBAZ KHAN NOONARI				
3	426010170 GBPS MEHAR DIL QAMBRANI						3	426010170 GBPS MEHAR DIL QAMBRANI				
4	426010064 GBPS NAWAB KHAN MANGRIO						4	426010064 GBPS NAWAB KHAN MANGRIO				
5	426010141 GGPS GHULAM HUSSAIN CHACHAR						5	426010141 GGPS GHULAM HUSSAIN CHACHAR				
6	426030345 GBPS MIANI SOHRAB						6	426030345 GBPS MIANI SOHRAB				
<b>Package No.2.</b>		<b>33.542</b>	Provincial ADP	NCB	33.542	33.542	<b>Package No.2.</b>		8.386	8.386	8.386	8.386
7	426030346 GBPS KHAMISO KHAN OGAHI						7	426030346 GBPS KHAMISO KHAN OGAHI				
8	426010232 GBPS MUMTAZ ABAD						8	426010232 GBPS MUMTAZ ABAD				
9	426010158 GBPS MARKH KHAN BHAYO						9	426010158 GBPS MARKH KHAN BHAYO				
10	426010246 GBPS JAHAN KHAN BHANGWAR						10	426010246 GBPS JAHAN KHAN BHANGWAR				
11	426030077 GBPS WAHID BIJARANI						11	426030077 GBPS WAHID BIJARANI				
<b>Package No.3</b>		<b>37.165</b>	Provincial ADP	NCB	37.165	37.165	<b>Package No.3</b>		9.291	9.291	9.291	9.291
12	426010189 GBPS MIANI QAISER KHAN						12	426010189 GBPS MIANI QAISER KHAN				
13	426010188 GBPS WAHID BUX BHAYO						13	426010188 GBPS WAHID BUX BHAYO				
14	426030454 GBPS RISAL DAR						14	426030454 GBPS RISAL DAR				
15	426010129 GGPS AWAN MOHALLA KANDHKOT						15	426010129 GGPS AWAN MOHALLA KANDHKOT				
16	426010250 GBPS AHMEDAN BHANGWAR						16	426010250 GBPS AHMEDAN BHANGWAR				
17	426010294 GBPS RAIS ALLAH BUX CHACHAR						17	426010294 GBPS RAIS ALLAH BUX CHACHAR				
18	426010047 GBPS BASHIR ABAD						18	426010047 GBPS BASHIR ABAD				
<b>Package No.4</b>		<b>38.811</b>	Provincial ADP	NCB	38.811	38.811	<b>Package No.4</b>		9.703	9.703	9.703	9.703
19	426010219 GBPS MOHSIN SHAH						19	426010219 GBPS MOHSIN SHAH				
20	426010216 GBPS ARBAB OGAHI						20	426010216 GBPS ARBAB OGAHI				
21	426010231 GBPS WORK SHOP						21	426010231 GBPS WORK SHOP				
22	426010279 GBPS ABDUL KHALIQUE BANGWAR						22	426010279 GBPS ABDUL KHALIQUE BANGWAR				
23	426010274 GBPS SYED MEHAR SHAH						23	426010274 GBPS SYED MEHAR SHAH				
24	426030336 GBPS ALLAH WARAYO KHAN BAHALKANI						24	426030336 GBPS ALLAH WARAYO KHAN BAHALKANI				
<b>Package No.5</b>		<b>37.110</b>	Provincial ADP	NCB	37.110	37.110	<b>Package No.5</b>		9.278	9.278	9.278	9.278
25	426010219 GBPS MEER MUHAMMAD SUBZOI						25	426010219 GBPS MEER MUHAMMAD SUBZOI				
26	426010004 GBPS Mirzapur (Old)						26	426010004 GBPS Mirzapur (Old)				
27	426010032 GBLSS MIRZAPUR NEW						27	426010032 GBLSS MIRZAPUR NEW				
28	426010007 GBPS MAQBOOL AHMED SOOMRO						28	426010007 GBPS MAQBOOL AHMED SOOMRO				
29	426010295 GBPS GHULAM HUSSAIN CHACHAR						29	426010295 GBPS GHULAM HUSSAIN CHACHAR				
<b>Package No.6</b>		<b>37.593</b>	Provincial ADP	NCB	37.593	37.593	<b>Package No.6</b>		9.398	9.398	9.398	9.398
30	426030229 GBPS HAJI KHAIR MUHAMMAD						30	426030229 GBPS HAJI KHAIR MUHAMMAD				
31	426030286 GBPS HAMZO KHAN OGAHI						31	426030286 GBPS HAMZO KHAN OGAHI				
32	426030263 GBPS MUHAMMAD IBRAHIM KHAN BAJKANI						32	426030263 GBPS MUHAMMAD IBRAHIM KHAN BAJKANI				
33	426010270 GBPS LAL BUX LASHARI						33	426010270 GBPS LAL BUX LASHARI				
34	426010272 GBPS DODO KHAN NASIRANI @ MIR AHMED NASEERANI						34	426010272 GBPS DODO KHAN NASIRANI @ MIR AHMED NASEERANI				
<b>Package No.7</b>		<b>35.600</b>	Provincial ADP	NCB	35.600	35.600	<b>Package No.7</b>		8.900	8.900	8.900	8.900
35	426030391 GBPS GUL MUHAMMAD BIJARANI						35	426030391 GBPS GUL MUHAMMAD BIJARANI				
36	426030261 GBPS JHANDO KHAN JAFFERI						36	426030261 GBPS JHANDO KHAN JAFFERI				
37	426030354 GBPS MAHMOOD KHAN BIJARANI						37	426030354 GBPS MAHMOOD KHAN BIJARANI				
38	412030461 GBPS MIR HAZAAR KHAN BIJARANI						38	412030461 GBPS MIR HAZAAR KHAN BIJARANI				
39	426030348 GBPS KARIM KHAN BIJARANI						39	426030348 GBPS KARIM KHAN BIJARANI				
40	426030472 GBPS PIR JAN						40	426030472 GBPS PIR JAN				
41	426030516 GBPS MOLVI MUHAMMAD SALEH MALIK (BR)						41	426030516 GBPS MOLVI MUHAMMAD SALEH MALIK (BR)				



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					
42	426030523	GBPS HAJI SHERAL MALIK	<b>38.890</b>	Provincial ADP	NCB	38.890	38.890	42 426030523 GBPS HAJI SHERAL MALIK	9.723	9.723	9.723	9.723					
	<b>Package No.8</b>																
43	426030302	GBPS AIT BAR BROHI											43 426030302 GBPS AIT BAR BROHI				
44	426030297	GBPS PARTO MALIK											44 426030297 GBPS PARTO MALIK				
45	426030499	GBPS WAHID BUX JAFFERY											45 426030499 GBPS WAHID BUX JAFFERY				
46	426010256	GBPS HAZOOR BUX OGAHI											46 426010256 GBPS HAZOOR BUX OGAHI				
47	426020177	GGPS ABDUL BARI KHOSO											47 426020177 GGPS ABDUL BARI KHOSO				
48	426030056	GBPS MIR MEHRAN KHAN											48 426030056 GBPS MIR MEHRAN KHAN				
	<b>Package No.9</b>		<b>35.093</b>	Provincial ADP	NCB	35.093	35.093	<b>Package No.9</b>	8.773	8.773	8.773	8.773					
49	426030102	GBPS MEHBOOB OGAHI						49 426030102 GBPS MEHBOOB OGAHI									
50	426030435	GBPS JANIB LASHARI						50 426030435 GBPS JANIB LASHARI									
51	426030576	GBLSS NOOR MUHAMMAD JAMALI						51 426030576 GBLSS NOOR MUHAMMAD JAMALI									
52	426020140	GBPS FIDA HUSSAIN SOOMRO						52 426020140 GBPS FIDA HUSSAIN SOOMRO									
	<b>Package No.10</b>		<b>33.400</b>	Provincial ADP	NCB	33.400	33.400	<b>Package No.10</b>	8.350	8.350	8.350	8.350					
53	426020277	GBPS DIN MUHAMMAD DASTI						53 426020277 GBPS DIN MUHAMMAD DASTI									
54	426020023	GBPS ZANGI JAKHRANI						54 426020023 GBPS ZANGI JAKHRANI									
55	426020455	GBPS MUHAMMAD MOOSA NAICH						55 426020455 GBPS MUHAMMAD MOOSA NAICH									
56	426020426	GBPS BADANI NO: II						56 426020426 GBPS BADANI NO: II									
57	426020402	GBPS LASHKAR KHAN						57 426020402 GBPS LASHKAR KHAN									
	<b>Package No.11</b>		<b>33.000</b>	Provincial ADP	NCB	33.000	33.000	<b>Package No.11</b>	8.250	8.250	8.250	8.250					
58	426020109	GBPS ABDUL HAMEED KHOSO						58 426020109 GBPS ABDUL HAMEED KHOSO									
59	426020099	GBPS RAIS MUHAMMAD UMER BHUTTO						59 426020099 GBPS RAIS MUHAMMAD UMER BHUTTO									
60	426030505	GBPS ABDUL WAHID KHOSO						60 426030505 GBPS ABDUL WAHID KHOSO									
61	426020414	GBPS DILSHAD JAKHRANI						61 426020414 GBPS DILSHAD JAKHRANI									
62	426020495	GBPS ALAW UD DIN KHOSO						62 426020495 GBPS ALAW UD DIN KHOSO									
63	426020255	GBPS FATEH MUHAMMAD MACHI COLONY						63 426020255 GBPS FATEH MUHAMMAD MACHI COLONY									
64	426020299	GBPS ALTAF HUSSAIN NO.II						64 426020299 GBPS ALTAF HUSSAIN NO.II									
	<b>Package No.12</b>		<b>31.500</b>	Provincial ADP	NCB	31.500	31.500	<b>Package No.12</b>	7.875	7.875	7.875	7.875					
65	426020047	GBPS MOLI JO DARO						65 426020047 GBPS MOLI JO DARO									
66	426020442	GBPS NASSAR UD DIN KHOSO						66 426020442 GBPS NASSAR UD DIN KHOSO									
67	426020307	GBPS LAL BUX CHACHAR						67 426020307 GBPS LAL BUX CHACHAR									
68	426020074	GBPS HAZOOR BUX LANJWANI						68 426020074 GBPS HAZOOR BUX LANJWANI									
69	426020254	GBPS ABDULLAH BHATTI						69 426020254 GBPS ABDULLAH BHATTI									
	<b>Package No.13</b>		<b>30.000</b>	Provincial ADP	NCB	30.000	30.000	<b>Package No.13</b>	7.500	7.500	7.500	7.500					
70	426020187	GGPS COLONY NO 1 KASHMORE						70 426020187 GGPS COLONY NO 1 KASHMORE									
71	426020368	GBPS COLONY NO 1 KASHMORE						71 426020368 GBPS COLONY NO 1 KASHMORE									
72	426020500	GBPS SYED ZULFIQAR ALI SHAH						72 426020500 GBPS SYED ZULFIQAR ALI SHAH									
	<b>Package No.14</b>		<b>30.700</b>	Provincial ADP	NCB	30.700	30.700	<b>Package No.14</b>	7.675	7.675	7.675	7.675					
73	426020529	GBPS GHULAM HYDER KHAN JAKHRANI						73 426020529 GBPS GHULAM HYDER KHAN JAKHRANI									
74	426020365	GBLSS BANHON LASHARI						74 426020365 GBLSS BANHON LASHARI									
75	426020160	GBPS MOLVI SHAH MURAD GOLO						75 426020160 GBPS MOLVI SHAH MURAD GOLO									
76	426010306	GBPS MADARSAH MUHAMMADI						76 426010306 GBPS MADARSAH MUHAMMADI									
77	426010263	GBPS GBPS Dillijan @ Siddique Noonari						77 426010263 GBPS GBPS Dillijan @ Siddique Noonari									
78	426010405	GBPS GBPS Bebarck @ Baloch Golato						78 426010405 GBPS GBPS Bebarck @ Baloch Golato									
79	426020425	GBPS BADANI (MAIN)						79 426020425 GBPS BADANI (MAIN)									
	<b>Package No.15</b>		<b>30.716</b>	Provincial ADP	NCB	30.716	30.716	<b>Package No.15</b>	7.679	7.679	7.679	7.679					
80	426010223	GBPS JATOI CHACHAR						80 426010223 GBPS JATOI CHACHAR									
81	426010217	GBPS GHULAM RASOOL OGAHI						81 426010217 GBPS GHULAM RASOOL OGAHI									
82	426010282	GBPS TAHAFIZUL QURAN						82 426010282 GBPS TAHAFIZUL QURAN									
83	426010040	GBPS GHULAM MUHAMMAD KHOSO						83 426010040 GBPS GHULAM MUHAMMAD KHOSO									
84	426010048	GBPS GAMAN KHAN						84 426010048 GBPS GAMAN KHAN									
85	426010151	GBPS DOST ALI SUHRIYANI						85 426010151 GBPS DOST ALI SUHRIYANI									
86	426010142	GBPS MUHAMMAD SULEMAN CHIJAN						86 426010142 GBPS MUHAMMAD SULEMAN CHIJAN									
	<b>Package No.16</b>		<b>30.000</b>	Provincial ADP	NCB	30.000	30.000	<b>Package No.16</b>	7.500	7.500	7.500	7.500					
87	426020213	GGPS PANDHI KALWAR						87 426020213 GGPS PANDHI KALWAR									
88	426020367	GBPS PANDHI KALWAR						88 426020367 GBPS PANDHI KALWAR									
89	426020364	GBPS MADARSAH AHYA UL ULOOM						89 426020364 GBPS MADARSAH AHYA UL ULOOM									
90	426020162	GBPS SHER MUHAMMAD NAICH						90 426020162 GBPS SHER MUHAMMAD NAICH									
	<b>Package No.17</b>		<b>30.000</b>	Provincial ADP	NCB	30.000	30.000	<b>Package No.17</b>	7.500	7.500	7.500	7.500					
91	426020372	GBPS GUDDU						91 426020372 GBPS GUDDU									
92	426020191	GBPS GGPS Kashmore						92 426020191 GBPS GGPS Kashmore									
93	426020248	GBPS PIR ABDUL SATTAR SHAH						93 426020248 GBPS PIR ABDUL SATTAR SHAH									
94	426020251	GBPS ALI BUX SOLANGI						94 426020251 GBPS ALI BUX SOLANGI									

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
<b>SECONDARY / HIGHER SECONDARY SCHOOLS</b>									<b>SECONDARY / HIGHER SECONDARY SCHOOLS</b>			
<b>Package No.18</b>									<b>Package No.18</b>			
95	426010348	GGHS - GHOU PUR	30.000	Provincial ADP	NCB	30.000	30.000	95 426010348 GGHS - GHOU PUR	7.500	7.500	7.500	7.500
96	426030568	GGHS TANGWANI (CAMPUS)						96 426030568 GGHS TANGWANI (CAMPUS)				
<b>Package No.19</b>									<b>Package No.19</b>			
97	426030586	GBHS - BALACH KHAN DAHANI	34.450	Provincial ADP	NCB	34.450	34.450	97 426030586 GBHS - BALACH KHAN DAHANI	8.613	8.613	8.613	8.613
98	426030563	GBHS - SHERAN BHAYO (Campus)						98 426030563 GBHS - SHERAN BHAYO (Campus)				
99	426020547	GGHS - KASHMORE						99 426020547 GGHS - KASHMORE				
<b>DEVELOPMENT SCHEMES OF OGDCL FUNDS AND CSR CHACHAR BLOCK PPL</b>									<b>DEVELOPMENT SCHEMES OF OGDCL FUNDS AND CSR CHACHAR BLOCK PPL</b>			
100		GBHS Dari (Boundary Wall)	1.300	OGDCL	NCB	1.300	1.300	100 GBHS Dari (Boundary Wall)	0.325	0.325	0.325	0.325
<b>Priority of School (Community Development Programme for Sustainable Development Goals 2017-18)</b>									<b>Priority of School (Community Development Programme for Sustainable Development Goals 2017-18)</b>			
101		GPS Alif Khan Bijarani (C/R & Room)	2.000	CDP	NCB	2.000	2.000	101 GPS Alif Khan Bijarani (C/R & Room)	0.500	0.500	0.500	0.500
102		Reconstruction of Four Class Rooms for Shafi Muhammad Khoso.	6.000	District ADP	NCB	6.000	6.000	102 Reconstruction of Four Class Rooms for Shafi Muhammad Khoso.	1.500	1.500	1.500	1.500
<b>DISTRICT ADP SCHEMES 2016-17</b>									<b>DISTRICT ADP SCHEMES 2016-17</b>			
103		GGHS Guddu (Balance Work)	3.200	District ADP	NCB	3.200	3.200	103 GGHS Guddu (Balance Work)	0.800	0.800	0.800	0.800
<b>NEW DISTRICT ADP SCHEMES 2016-17</b>									<b>NEW DISTRICT ADP SCHEMES 2016-17</b>			
104		GPS Shabirabad (Repair / Renovation)	1.900	District ADP	NCB	1.900	1.900	104 GPS Shabirabad (Repair / Renovation)	0.475	0.475	0.475	0.475
105		GMS Shabirabad (Repair / Renovation)	6.800	District ADP	NCB	6.800	6.800	105 GMS Shabirabad (Repair / Renovation)	1.700	1.700	1.700	1.700
106		GBPS Mansoorabad (Repair / Renovation)	3.300	District ADP	NCB	3.300	3.300	106 GBPS Mansoorabad (Repair / Renovation)	0.825	0.825	0.825	0.825
105		GPS Dhago Jagirani (2 C/R)	1.800	District ADP	NCB	1.800	1.800	105 GPS Dhago Jagirani (2 C/R)	0.450	0.450	0.450	0.450
<b>Rehabilitation / Improvement / Renovation and Provision of Missing Facilities in Secondary / Higher Secondary Schools in District Jacobabad (2016-17 Programme)</b>									<b>Rehabilitation / Improvement / Renovation and Provision of Missing Facilities in Secondary / Higher Secondary Schools in District Jacobabad (2016-17 Programme)</b>			
106		GBHS Karampur	6.500	Provincial ADP	NCB	6.500	6.500	106 GBHS Karampur	1.625	1.625	1.625	1.625
<b>Early Childhood Education (ECE) Intervention Larakana Division 2 Units in District Kashmore @ Kandhkot (ADP 155 of 2017-18)</b>									<b>Early Childhood Education (ECE) Intervention Larakana Division 2 Units in District Kashmore @ Kandhkot (ADP 155 of 2017-18)</b>			
107		GBPS Mumtazabad	1.490	Provincial ADP	NCB	1.490	1.490	107 GBPS Mumtazabad	0.373	0.373	0.373	0.373
108		GBPS Madarsah Ahya-UI-Uloom	1.490	Provincial ADP	NCB	1.490	1.490	108 GBPS Madarsah Ahya-UI-Uloom	0.373	0.373	0.373	0.373

  
 EXECUTIVE ENGINEER  
 EDUCATION WORKS DIVISION  
 KASHMORE @ KANDHKOT



# 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 Adresh, GBPS Shahbaz Khan Noonari, GBPS Mehar Dil Qambrani, GBPS Nawab Khan Mangrio, GGPS Ghulam Hussain Chachar, GBPS Miani Sohrab Taluka Kandhkot (PACKAGE 1)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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 mortar 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. (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	2228244
13	349	<i>First Floor</i>	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 mortar ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	0	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	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 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 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 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	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	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 desire 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
<b>TOTAL :-</b>					<b>31307913</b>

**PART "B"**

1	24	Providing & fixing squatting type white glazed of flush cisten 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 thumble. (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
				<b>TOTAL :-</b>	<b>1616235</b>

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	
				<b>TOTAL :-</b>	

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  
KASHMORE @ KANDHKOT

# 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 Khamiso Khan Ogahi, GBPS Mumtazabad, GBPS Markh Khan Bhayo, GBPS Jahan Khan Bhangwar, GBPS Wahid Bijarani Taluka Kandhkot. (PACKAGE NO. 2)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
1	2750	Dismantling cement concrete rainforced separaiting raiforcement from concrete clearing and straightnig 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 11/2" 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 11/2" 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 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	1524925
13	0	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	2300.02	%Sft	0
26	17908	Cement pointing stricking 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 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	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" 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	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 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	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 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	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 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	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	Scrapign 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 bases 1:2 gra y cement mortar 3/4" thick I/c washing & filling of joints with sullury of white cement & pigment in desire 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
<b>TOTAL :-</b>					<b>23956269</b>

**PART "B"**

1	22	Providing & fixing squatting type white glazed of flush cisten 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 thumble. (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 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 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 valves 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 hloder, 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 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	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
			<b>TOTAL :-</b>		<b>1517359</b>

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	
			<b>TOTAL :-</b>		

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  
KASHMORE @ KANDHKOT

# 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 Miani Qaisar Khan, GBPS Wahid Bux Bhayo, GBPS Risal Dar, GGPS Awan Mohalla Kandhkot, GBPS Ahmedan Bhangwar, GBPS Rais Allah Bux Chachar, GBPS Bashirabad Taluka Kandhkot (PACKAGE 3)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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 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 mortar 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 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	1888885
13	1000	<i>First Floor</i>	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 mortar ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	1614713
20	3556	<i>First Floor</i>	13112.86	%Cft	466293
21	7800	Pacca brick work other then building including striking 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	<i>First Floor</i>	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	<i>First Floor</i>	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 slurry 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	Scrapign 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 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	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
<b>TOTAL :-</b>					<b>26135873</b>

**PART "B"**

1	20	Providing & fixing squatting type white glazed of flush cisten 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 thumble. (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 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	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 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			
	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 & 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	53103
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	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 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	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 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	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
<b>TOTAL :-</b>					<b>1426154</b>

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	
<b>TOTAL :-</b>					

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  
 KASHMORE @ KANDHKOT

# 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 Mohsin Shah, GBPS Arbab Ogahi, GBPS Work Shop, GBPS Abdul Khaliq Bhangwar, GBPS Syed Mehar Shah, GBPS Allah Warayo Bhalkani Taluka Kandhkot (PACKAGE 4)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	2300.02	%Sft	0
26	23002	Cement pointing stricking 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 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	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	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	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	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
<b>TOTAL :-</b>					<b>31307913</b>

**PART "B"**

1	24	Providing & fixing squatting type white glazed of flushed 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 thumble. (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 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			
	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 & 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	44933
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	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 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	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 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	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
			<b>TOTAL :-</b>		<b>1616235</b>

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	
			<b>TOTAL :-</b>		

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  
 KASHMORE @ KANDHKOT



# 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 Meer Muhammad Subzoi, GBPS Mirzapur (Old), GBLSS Mirzapur (New), GBPS Maqbool Ahmed Soomro, GBPS Ghulam Hussain Chachar (PACKAGE 5)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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 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 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	1888885
13	1000	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	2300.02	%Sft	202540
26	16426	Cement pointing stricking 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 finished 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 mortar 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	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	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	Scrapign 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 bases 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with slurry of white cement & pigment in desire 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
<b>TOTAL :-</b>					<b>26135873</b>

**PART "B"**

1	20	Providing & fixing squatting type white glazed of flush cisten 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 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 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 l: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	Constructing manhole or inspection chamber 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 or 400ft. (S.I.No:3 Page No:23)			
	250	3" dia	137.00	Each	34250
	235	4" dia	226.00	Each	53110
<b>TOTAL :-</b>					<b>1426154</b>

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	
<b>TOTAL :-</b>					

**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  
 KASHMORE @ KANDHKOT

# 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 Haji Khair Muhammad, GBPS Hamzo Khan Ogahi, GBPS Muhammad Ibrahim Khan Bajkani, GBPS Lal Bux Lashari, GBPS Dodo Khan Nasirani @ Mir Ahmed Naseerani Taluka Kandhkot (PACKAGE 6)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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 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 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	1888885
13	1000	<i>First Floor</i>	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	<i>First Floor</i>	13112.86	%Cft	466293
21	7800	Pacca brick work other then building including striking of joints up to feet height (C.S.I No: 7 (c) 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	<i>First Floor</i>	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	<i>First Floor</i>	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 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	27075
30	750	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	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 mortar 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 agreeegate 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" 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	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 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	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 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	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	Scrapign 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
<b>TOTAL :-</b>					<b>26135873</b>

**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 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			
	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 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	53103
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	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 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	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 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	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 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 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)			
	250	3"dia	137.00	Each	34250
	235	4"dia	226.00	Each	53110
<b>TOTAL :-</b>					<b>1426154</b>

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	
<b>TOTAL :-</b>					

**Cost of Bid**

**Amount Position**

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

CONTRACTOR

  
 EXECUTIVE ENGINEER  
 EDUCATION WORKS DIVISION  
 KASHMORE @ KANDHKOT



# 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 Gul Muhammad Bijarani, GBPS Jhando Khan Jafferi, GBPS Mahmood Khan Bijarani, GBPS Mir Hazar Khan Bijarani, GBPS Karim Khan Bijarani, GBPS Pir Jan, GBPS Molvi Muhammad Saleh Malik, GBPS Sheral Malik Taluka Tangwani. (PACKAGE NO. 7)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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 (c) 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 carrage 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 carrage 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 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	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 mortar 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	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	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 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	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
<b>TOTAL :-</b>					<b>26938091</b>

**PART "B"**

1	28	Providing & fixing squatting type white glazed of flush cisten 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 1/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 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	102122
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	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 1/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 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	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 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	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 or400ft. (S.I.No:3 Page No:23)			
	295	3"dia	137.00	Each	40415
	295	4"dia	226.00	Each	66670
			<b>TOTAL :-</b>		<b>1986272</b>

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	
			<b>TOTAL :-</b>		

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  
 KASHMORE @ KANDHKOT



# 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 Aitbar Brohi, GBPS Parto Malik, GBPS Wahid Bux Jaffery, GBPS Hazoor Bux Ogahi, GGPS Abdul Bari Khoso, GBPS Mir Mehran Khan Taluka Tangwani. (PACKAGE 8)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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. (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	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 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 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 apattern 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 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	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 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
<b>TOTAL :-</b>					<b>28505713</b>

**PART "B"**

1	30	Providing & fixing squatting type white glazed of flushed 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 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 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	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 1/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 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	Constructing manhole or inspection chamber 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)			
	550	3" dia	137.00	Each	75350
	415	4" dia	226.00	Each	93790
			<b>TOTAL :-</b>		<b>2193372</b>

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 I H.P single phase 220 valts with 1/1/4" x 1/1/4" suction and delivery (Local made ) (Electric)		Each	
			<b>TOTAL :-</b>		

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  
 KASHMORE @ KANDHKOT



# 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 Ogahi, GBPS Janib Lashari, GBLSS Noor Muhammad Jamali, GBPS Fida Hussain Soomro Taluka Tangwani. (PACKAGE NO. 9)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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 mortar 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 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	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 mortar 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 stricking 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 carrage 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 carrage 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 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	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 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	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	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	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
<b>TOTAL :-</b>					<b>26938091</b>

**PART "B"**

1	28	Providing & fixing squatting type white glazed of flush cisten 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 thumble. (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 carb 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 mortar 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 valves 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 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	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 or400ft. (S.I.No:3 Page No:23)			
	295	3"dia	137.00	Each	40415
	295	4"dia	226.00	Each	66670
<b>TOTAL :-</b>					<b>1986272</b>

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	
<b>TOTAL :-</b>					

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  
 KASHMORE @ KANDHKOT

# 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 Din Muhammad Dasti, GBPS Zangi Jakhrani, GBPS Muhammad Moosa Naich, GBPS Badani No.II, GBPS Lashkar Khan Taluka Kashmore. (PACKAGE NO. 10)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
1	7243	Dismantling cement concrete reinforced separating raiforcement from concrete clearing and straightnig 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 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	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	<i>First Floor</i>	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	%0Cft	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	%0Cft	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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	2300.02	%Sft	0
26	14908	Cement pointing stricking 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 carrage 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 carrage 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 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	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 mortar 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 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	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" - 12" depth including boxing with back shelves shutters brass fitting complete (CSI No.23 P-61)	1778.50	P.Sft	1031530
57	2920	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	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	Scrapign 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 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	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 (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	531026
<b>TOTAL :-</b>					<b>22342003</b>

**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 thumble. (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 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 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 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	191988
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	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 piller 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 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	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 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	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
			<b>TOTAL :-</b>		<b>2937047</b>

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	
			<b>TOTAL :-</b>		

Cost of Bid

Amount Position

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

CONTRACTOR

  
EXECUTIVE ENGINEER  
EDUCATION WORKS DIVISION  
KASHMORE @ KANDHKOT

# 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 Hameed Khoso, GBPS Rais Muhammad Umar Bhutto, GBPS Abdul Wahid Khoso, GBPS Dilshad Jakhrani, GBPS Alawudin Khoso, GBPS Fateh Muhammad Machi Colony, GBPS Altaf Hussain No.-II, Taluka Kashmir. (PACKAGE NO. 11)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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	%0Cft	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. (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	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	%0Cft	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	%0Cft	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 stricking 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 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	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 mortar 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 (CSI No.23 P-61)	1778.50	P.Sft	1031530
57	2920	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	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	Scrapign 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 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	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 (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	531026
<b>TOTAL :-</b>					<b>22342003</b>

**PART "B"**

1	40	Providing & fixing squatting type white glazed of flushed 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 thumble. (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 carb 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 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 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	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 valves 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 piller 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 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)			
	450	3"dia	137.00	Each	61650
	450	4"dia	226.00	Each	101700
			<b>TOTAL :-</b>		<b>2937047</b>

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	
			<b>TOTAL :-</b>		

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  
KASHMORE @ KANDHKOT

# 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 Moli Jo Daro, GBPS Nasir Uddin Khoso, GBPS Lal Buix Chachar, GBPS Hazoor Bux Lanjwani, GBPS Abdullah Bhatti Taluka Kashmore. (PACKAGE NO. 12)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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	%0Cft	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	<i>First Floor</i>	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	%0Cft	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	%0Cft	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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	2300.02	%Sft	0
26	14908	Cement pointing stricking 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 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	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 mortar 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 agreeegate 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 (CSI 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	Scrapign 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 (CSI No. 38 (c) P. No. 56)	1328.13	%Sft	531026
<b>TOTAL :-</b>					<b>22342003</b>

**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 l/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 piller 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 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)			
	450	3"dia	137.00	Each	61650
	450	4"dia	226.00	Each	101700
<b>TOTAL :-</b>					<b>2937047</b>

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	
<b>- TOTAL :-</b>					

**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  
 KASHMORE @ KANDHKOT



# 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 Colony No. I Kashmore, GBPS Colony No.I Kashmore, GBPS Syed Zulfiqar Ali Shah Taluka Kashmore. (PACKAGE 13)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
1	5758	Dismantling cement concrete rainforced separaitng 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 (I) 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 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 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 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	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	Scrapign 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 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	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
<b>TOTAL :-</b>					<b>27130401</b>

**PART "B"**

1	30	Providing & fixing squatting type white glazed of flush cisten 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 thumble. (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 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
<b>TOTAL :-</b>					<b>2174877</b>

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	
<b>TOTAL :-</b>					

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  
 KASHMORE @ KANDHKOT

# 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 Ghulam Hyder Khan Jakhrani, GBPS Banhon Lashari, GBPS Molvi Shah Murad Golo, GBPS Madarsah Muhammadi, GBPS Dilijan @ Siddique Mazari, GBPS Bebrak @ Balouch Golato, GBPS Badani (Main) Taluka Kashmore. (PACKAGE 14)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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 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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	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 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 mortar 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 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	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	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	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	Scrapign 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 bases 1:2 grey cement mortar 3/4" thick i/c washing & filling of joints with sullury of white cement & pigment in desire 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
<b>TOTAL :-</b>					<b>27130401</b>

**PART "B"**

1	30	Providing & fixing squatting type white glazed of flush cisten 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 thumble. (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 coat 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 carb 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 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
<b>TOTAL :-</b>					<b>2174877</b>

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	
<b>TOTAL :-</b>					

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  
 KASHMORE @ KANDHKOT

# 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 Jatoi Chachar, GBPS Ghulam Rasool Ogahi, GBPS Tahafizul Quran, GBPS Ghulam Muhammad Khoso, GBPS Gaman Khan, GBPS Dost Ali Suhriyani, GBPS Muhammad Suleman Chijan Taluka Kashmore. (PACKAGE 15)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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 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. (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	2228244
13	775	<i>First Floor</i>	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	<i>First Floor</i>	13112.86	%Cft	409252
21	7800	Pacca brick work other then building including striking 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	<i>First Floor</i>	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	<i>First Floor</i>	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 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.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 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" 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	Scrapign 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
<b>TOTAL :-</b>					<b>27130401</b>

**PART "B"**

1	30	Providing & fixing squatting type white glazed of flushed 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 thumble. (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 carb 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 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
<b>TOTAL :-</b>					<b>2174877</b>

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	
<b>TOTAL :-</b>					

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  
 KASHMORE @ KANDHKOT

# 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 Pandhi Kalwar, GBPS Pandhi Kalwar, GBPS Madarah Ahya ul Uloom, GBPS Sher Muhammad Naich Taluka Kashmore. (PACKAGE 16)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	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	<i>First Floor</i>	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 jamb. 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 jamb. 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 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 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" 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 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	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	Scrapign 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 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	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
<b>TOTAL :-</b>					<b>27130401</b>

**PART "B"**

1	30	Providing & fixing squatting type white glazed of flushed 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 aboc 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 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 specification 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
<b>TOTAL :-</b>					<b>2174877</b>

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	
<b>TOTAL :-</b>					

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  
KASHMORE @ KANDHKOT



# 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 Guddu, GGPS Kashmore, GBPS Pir Abdul Sattar Shah, GBPS Ali Bux Solangi Taluka Kashmore. (PACKAGE 17)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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.SI 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. (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	2228244
13	775	<u>First Floor</u>	349.10	P.Cft	270553
14	380	Fabrication of Tor steel reinforceement 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 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 mortar 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 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	5600	Scrapign 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
<b>TOTAL :-</b>					<b>27130401</b>

**PART "B"**

1	30	Providing & fixing squatting type white glazed of flushed 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 thumble. (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 carb 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 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 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 valves 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
			<b>TOTAL :-</b>		<b>2174877</b>

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	
			<b>TOTAL :-</b>		

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  
 KASHMORE @ KANDHKOT

# 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 Ghospur, GGHS Tangwani (Campus) Taluka Kandhkot & Tangwani. (PACKAGE 18)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
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.SI 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 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 (I) 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 striking 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 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 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	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 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" 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 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	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	Scrapign 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
<b>TOTAL :-</b>					<b>27130401</b>

**PART "B"**

1	30	Providing & fixing squatting type white glazed of flushed 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 thumble. (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 carb 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 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 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 C1 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
<b>TOTAL :-</b>					<b>2174877</b>

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 Chiller 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	
<b>TOTAL :-</b>					

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  
 KASHMORE @ KANDHKOT

# 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 @ GBHS Balach Khan Dahani, GBHS Sheran Bhayo (Campus) GGHS Kashmore Taluka Tangwani & Kashmore. (PACKAGE 19)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" CIVIL SCHEDULE ITEMS</u></b>					
1	4276	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning 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 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	59075
9	2890	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	272130
10	4327	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	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 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	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 (e) 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 carrage 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 carrage 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 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	33393
30	1046	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	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 mortar 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 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	702030
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	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 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	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
<b>TOTAL :-</b>					<b>26850063</b>

**PART "B"**

1	32	Providing & fixing squatting type white glazed of flushed 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 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			
	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 & 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	122546
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	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 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	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 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	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	Construction of manhole or inspection chamber for the required dia of circular sewer and 3'-6" (1067 mm) depth with walls of BB in cement mortar 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 frame 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) wide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per specification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	73740
27	0	Providing PVC Pipes of class D equalvalent (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)			
	345	3" dia	137.00	Each	47265
	345	4" dia	226.00	Each	77970
				<b>TOTAL :-</b>	<b>2262945</b>

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 tiles, including curring, grinding, rubbing and chemical polishing etc. complete i/c cutting tiles to proper profile.		P.Sft	
2	8	S/F Chiller for Cold water i/c Stabilizer		Each	
3	6	P/F piston pump set 1 H.P single phase 220 volts with 1/1/4" x 1/1/4" suction and delivery (Local made ) (Electric)		Each	
				<b>TOTAL :-</b>	

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  
 KASAHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- DEVELOPMENT SCHEME OF OGDCL FUNDS AND CSR CHACHAR BLOCK PPL @ GGHS DARI (BOUNDARY WALL)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" SCHEDULE ITEMS</u></b>					
1	2608	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	%Cft	8284
2	518	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	45040
3	1684	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	201210
4	346	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	116602
5	23.608	Fabrication of Tor steel reinforcecement 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	118080
6	1800	Pacca brick work other then building including stricking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12674.36	%Cft	228138
7	3200	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	70611
8	3200	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	70321
9	2400	Cement pointing stricking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	30899
10	150	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	21644
11	400	Errection and removal of cuttering for R.C.C or plain Cemnet concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Cft	12510
12	400	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping.	70.44	P.Sft	28176
12	126	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 arrangemnt. (C.S.I No:24 P-92)	726.72	P.Sft	91567
13	3200	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	34549
14	2400	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	20638
15	252	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	3202
<b>TOTAL :-</b>					<b>1101470</b>

Amount Total (CSR)

Part "A" % Above / Below \_\_\_\_\_

Total Amount \_\_\_\_\_

Total "A" \_\_\_\_\_

CONTRACTOR

EXECUTIVE ENGINEER  
EDUCATION WORKS DIVISION  
KASHMORE @ KANDHKOT



# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- Priority of School (Community Development Programme for sustainable Goals 2017-18 @ GBPS Alif Khan Bijarani (C/R & Room)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" SCHEDULE ITEMS</u></b>					
1	480	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	26136
2	93	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	%Cft	1196
3	1550	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	1876
4	3716	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	14051
5	498	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	1582
6	271	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	25518
7	101	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	12068
8	545	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	183665
9	29.20	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	146030
10	152	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	19265
11	1550	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	10230
12	3604	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	79526
13	3604	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	79199
14	249	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	904
15	249	Extra Lead upto three Mile	714.29	%Sft	1779
16	5171	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	169376
17	4676	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	88255
18	130	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.S.I No: 68 (i) P-49).	186.04	P.Sft	24185
19	224	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	13017
20	708	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	216009
21	54	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	7792

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
22	66	First class deodar wood wrought joinery in doors and windows etc fixed in position i/c in chowks 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	59593
23	4546	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	37730
24	10271	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	110891
25	164	Painting new surface, and painting of doors and windows any type (i/c edges) 3 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	3471
26	1662	Painting old surface, and painting of doors and windows 2 coats (C.S.I No: 4 (c-ii) P-67).	1160.06	%Sft	19280
27	290	Painting guard bars gates iron bars grating railing including standard braces etc and smaller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	3685
				<b>TOTAL :-</b>	<b>1356307</b>

**PART "B" SCHEDULE ITEMS**

1	6	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 thumble. (S.I No:1 (b) i P-No:1)	4802.60	Each	28816
2	6	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	25522
3	6	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	5631
4	12	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	5366
5	6	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 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	7159
6	100	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	P.Rft	33329
7	6	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	P.Rft	12255
8		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).			
	6	1/2" dia	161.92	Each	972
	6	3/4 dia	227.92	Each	1368
9	6	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	2870
10	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
12	6	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	17292
13		P/F handle valves (China) (S.I No:7 P-No:14).			
ii	6	3/4" dia	271.92	Each	1632
iii	6	1" dia	365.42	Each	2193

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
14	6	Construction of manhole or inspection chamber for the required dia of circular sewer and 3'-6" (1067 mm) depth with walls of BB in cement mortar 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 frame 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) wide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C dully painted etc. complete as per specification and drawing (SI No. P Page No. 46). (PHE)	14748	Each	88488
<b>TOTAL :-</b>					<b>246203</b>

Amount Total (CSR)

Part "A" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Part "B" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Total "A+B" \_\_\_\_\_

**NON SCHEDULE ITEMS**

1	176	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	
<b>TOTAL :-</b>					

**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  
 KASHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- RECONSTRUCTION OF FOUR CLASS ROOMS FOR SHAFI MUHAMMAD KHOSO TALUKA KASHMORE (CDP)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b>PART "A" SCHEDULE ITEMS</b>					
1	1478	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	80477
2	859	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	11225
3	8131	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	9839
4	505	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	64006
5	1642	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	553354
6	87.964	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	439970
7	1234	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	178057
8	8131	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	53665
9	8131	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	179419
10	8131	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	178680
11	7971	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	261090
12	7221	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	136289
13	613	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.S.I No: 68 (i) P-49).	186.04	P.Sft	114043
14	24	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	21670
15	1034	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	186637
16	1754	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	165162
17	3509	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented, having strength b/w 5000 psi to 8500 psi l/c filling the joints with hill sand and laying in specified manner/ pattern and design etc: complete. (CSI No. 72 Page No. 49).	223.97	P.Sft	785911
18	5051	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	41921
19	22040	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	237955
25	2028	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	42921
26	862	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	10955



Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
27	457	Providing & fixing Precast Edge Block 3750 PSI Industrial Made Size 6 inches thick x 12 inches long x 12 inches high including the cost of Cartage, excavation, form Work for haunching, 1450 PSI lean concrete, 2250 PSI concrete for haunching, 1:4 cement sand mortar.	297.01	P.Sft	135734
				<b>TOTAL :-</b>	<b>3888977</b>

**PART "B" SCHEDULE ITEMS**

1	1304	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	4142
2	259	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	22520
3	842	Pacca brick work in foundation and plinth in cement sand mortar ratio 1:6(C.S.I No:4 (c) P.21).	11948.36	%Cft	100605
4	173	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	58301
5	10.24	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	51222
6	900	Pacca brick work in ground floor in cement sand mortar ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	114069
7	1600	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	35306
8	1600	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	35160
9	1200	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Cft	15449
10	75	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	10822
11	200	Errection and removal of cuttering for R.C.C or plain Cemnet concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Cft	6255
12	200	Supply and fixing broden glasses on courtyard walls including 1: 3: 6: cement concrete coping.	70.44	P.Sft	14088
13	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 arrangemtnt. (C.S.I No:24 P-92)	726.72	P.Sft	45783
14	2400	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	25912
15	1200	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	10319
16	126	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	1601
				<b>TOTAL :-</b>	<b>551555</b>

Amount Total (CSR)

Part "A" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Part "B" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Total "A+B" \_\_\_\_\_

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>NON SCHEDULE ITEMS</u></b>					
1	5051	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	
				<b>TOTAL :-</b>	

**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  
 KASHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- DISTRICT ADP SCHEMES 2016-17 @ GGHS Guddu (Balance Work)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" SCHEDULE ITEMS</u></b>					
1	685	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	1285.63	%Cft	8807
2	562	Dismantling brick work in lime or cement plaster (C.SI No:13 P-10).	1285.63	%Cft	7225
3	1011	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	1223
4	239	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	5445.00	%Cft	13014
5	1194	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	3792
6	490	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	42605
7	1180	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	140991
8	843	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	284091
9	37.633	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	188229
10	696	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	2526
11	1618	Pacca brick work in ground floor in cement sand mortar ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	205071
12	1011	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	6673
13	2199	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.06	%Sft	48511
14	2199	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	48323
15	983	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1213.58	%Sft	11929
16	17.357	S/F Girder at Site of Work	3850.00	P.Cwt	66824
17	10.929	S/F T.Iron at Site of Work	3575.00	P.Cwt	39071
18	28.286	Errction rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.34	P.Cwt	5271
19	587	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 incluing 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:1 P.33).	7607.25	%Sft	44655
20	35	Providing and fixing G.I frames /Chowkates 7"2" or 4 1/2" 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	8012
21	66	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	15873

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
22	39	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	7040
23	85	First class deodar wood wrought joinery in doors and windos etcfied inosition l/c in chwoakts holds fasts hings iron tower bolts chowkcs 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	76749
24	960	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	42353
25	1394	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	45660
26	86	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	12409
27	137	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	41798
28	96	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	5579
29	4	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	P.Sft	1045
30	1385	White wash three coats (C.S.I No:26 (c) P-54).	425.84	%Sft	5898
31	2273	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	19546
32	4820	distemper. Three coat (CSI No. 24 (c) Page No. 54)	1079.65	%Sft	52039
33	584	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	12360
34	544	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	6913
35	75	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	13953
<b>TOTAL :-</b>					<b>1536063</b>

**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 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 with4" 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 & l/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:2 P.No:2)	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



Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
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 & 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	4085
7		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 theheight			
	50	4"dia	146.57	Each	7329
	50	6" dia	199.25	Each	9963
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			
	100	1/2"dia	73.21	Each	7321
	150	3/4"dia	95.79	Each	14369
	80	1"dia	128.50	Each	10280
	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 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).			
	2	1/2"dia	161.92	Each	324
	2	3/4 dia	227.92	Each	456
8	2	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	957
9	2	S/F long bib cock of crystal head with c.p head1/2" dia (S.I No:13 (b) P-No:19).	1109.46	Each	2219
10	1	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	2882
11	1	S/F swan type piller cock	795.00	Each	795
11	1	Supplying and fixing bath room accessories (seven pieces)l/c towel rod , brush holder , soap tray, shelf of approved quality and design etc complete (Si No: 24 P-No:16).	8122.40	Each	8122
12		P/F handle values (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 nutes, bolts and fixing in plateform of cement concrete 1: 3: 6 and makin connections for in -let ,& ou-let & over flow pipes etc. complete.			
i	1	250 Gallon	21989.62	Each	21990
			<b>TOTAL :-</b>		<b>114717</b>

**PART "C" COMPOUND WALL**

1	1929	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure 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	6127
2	384	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	33389
3	1263	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	150908
4	229	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. (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	77173

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
5	14.171	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	70879
6	1350	Pacca brick work other then building including striking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12674.36	%Cft	171104
7	2400	Cement plaster upto 20' height 1/2" thick ratio 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	52958
8	2400	Cement plaster upto 20' height 3/8" thick ratio 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	52740
9	1800	Cement pointing striking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1213.58	%Sft	21844
10	113	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone aggregate without shuttering Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	16305
11	300	Errection and removal of cuttering for R.C.C or plain Cemnet concrete work for partial wood vertical (C.S.I No. 19 (b) Page No: 18)	3127.41	%Cft	9382
12	300	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping.	70.44	P.Sft	21132
12	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 arrangemtnt. (C.S.I No:24 P-92)	726.72	P.Sft	45783
13	2400	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	25912
14	1800	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	15478
15	126	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	1601
				<b>TOTAL :-</b>	<b>772716</b>

Amount Total (CSR)

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

**NON SCHEDULE ITEMS**

1	288	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	
				<b>TOTAL :-</b>	

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  
 KASHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- NEW DISTRICT ADP SCHEMES 2016-17 GPS Shabirabad (Repair / Renovation)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" SCHEDULE ITEMS</u></b>					
1	685	Dismantling cement concrete rainforced separaiting raiforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	1285.63	%Cft	8807
2	562	Dismantling brick work in lime or cement plaster (C.SI No:13 P-10).	1285.63	%Cft	7225
3	1011	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	1223
4	239	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	5445.00	%Cft	13014
5	1194	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	3792
6	490	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	42605
7	1180	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	140991
8	843	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	284091
9	37.633	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	188229
10	696	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	2526
11	1618	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	205071
12	1011	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	6673
13	2199	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.06	%Sft	48511
14	2199	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	48323
15	983	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1213.58	%Sft	11929
16	17.357	S/F Girder at Site of Work	3850.00	P.Cwt	66824
17	10.929	S/F T.Iron at Site of Work	3575.00	P.Cwt	39071
18	28.286	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.34	P.Cwt	5271
19	587	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 mortor icluding 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:1 P.33).	7607.25	%Sft	44655
20	35	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	8012
21	66	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	15873

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
22	39	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 finished grill (C.S.I No:26 P.93).	180.50	P.Sft	7040
23	85	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	76749
24	960	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	42353
25	1394	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	45660
26	86	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone agreegate without shutting Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	12409
27	137	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	41798
28	96	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	5579
29	4	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	P.Sft	1045
30	1385	White wash three coats (C.S.I No:26 (c) P-54).	426.84	%Sft	5898
31	2273	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	19546
32	4820	distemper. Three coat (CSI No. 24 (c) Page No. 54)	1079.65	%Sft	52039
33	584	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	12360
34	544	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	6913
35	75	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	13953
			<b>TOTAL :-</b>		<b>1536063</b>

**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 with4" 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 & l/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 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) (C.S.I No:9 P.No:2)	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 complit 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 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	4085



Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
7		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 mortar 1:1 and testing with water presure to head of 4 Ft aboe the top of theheight			
	50	4" dia	146.57	Each	7329
	50	6" dia	199.25	Each	9963
8		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 zink paint with pigment to match t			
	100	1/2" dia	73.21	Each	7321
	150	3/4" dia	95.79	Each	14369
	80	1" dia	128.50	Each	10280
	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 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).			
	2	1/2" dia	161.92	Each	324
	2	3/4 dia	227.92	Each	456
8	2	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	957
9	2	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	2219
10	1	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	2882
11	1	S/F swan type piller cock	795.00	Each	795
11	1	Supplying and fixing bath room accessories (seven pieces)l/c towel rod , brush holder , soap tray, shelf of approved quality and design etc complete (Si No: 24 P-No:16).	8122.40	Each	8122
12		P/F handle values (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 thicness as specified l/c cost of nutes, bolts and fixing in plateform of cement concreete 1: 3: 6 and makin connections for in -let ,& ou-let & over flow pipes etc. complete.			
i	1	250 Gallon	21989.62	Each	21990
				<b>TOTAL :-</b>	<b>114717</b>

Amount Total (CSR)

Part "A" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Part "B" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Total "A+B" \_\_\_\_\_

**NON SCHEDULE ITEMS**

1	288	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	
				<b>TOTAL :-</b>	

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  
 KASHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- NEW DISTRICT ADP 2016-17 @ GMS SHABIRABAD (REPAIR / RENOVATION)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b>PART "A" SCHEDULE ITEMS</b>					
1	1468	Dismantling cement concrete reinforced separating raiforcement from concrete clearing and straightnig the same (C.S.I No:20 P-10).	5445.00	% Cft	79933
2	12064	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	45618
3	1092	Dismantling brick work in lime or cement plaster (C.SI No:13 P-10).	1285.63	% Cft	14039
4	6	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	P.Nos	853
5	9	Removing ventilators and wooden sunshades etc	51.43	P.Nos	463
6	13905	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	16825
7	2311	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	30200
8	1226	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	3894
9	1243	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)	8694.25	%Cft	108070
10	2124	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	253783
11	4082	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	14818
13	1634	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	550658
14	69.299	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:7 B P.20).	5001.70	P.Cwt	346613
15	1125	Pacca brick work other then building including striking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	% Cft	138900
16	578	Pacca brick work in ground floor in cement sand mortar ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	% Cft	73258
17	13905	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	91773
18	13905	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 ( c) Page No: 52).	3015.76	%Sft	419341
19	5408	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 58).	2206.60	%Sft	119333
20	5408	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	118842
21	3017	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	38842
22	6931	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	368060
23	2254	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.38).	10.70	P.Sft	24118
24	6931	Cement pointing flush upto 20" height ratio: 1:2. (CSI No. 17 (a) Page No. 53)	1151.32	%Sft	79798

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
25	7328	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	323298
26	6633	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	217264
27	630	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone aggregate without shuttering Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	% Sft	90904
28	55	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	16780
29	95	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.Rft	85778
30	120	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	28860
31	38	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 finished grill (C.S.I No:26 P.93).	180.50	P.Sft	6859
32	640	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	37190
33	20	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	5225
34	8860	White wash three coats (C.S.I No:26 (c) P-54).	829.95	% Sft	73534
35	12097	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	% Sft	104022
36	32392	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	% Sft	143416
37	32392	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	% Sft	349720
38	3634	Painting new surface, and paiting of doors and windows any type (i/c edges) 2 coats (C.S.I No:4 (c) P-76).	1489.68	% Sft	54135
39	646	Painting guard bars gats iron bars grating railing including standard braces etc and smiller open work two coat (C.S.I No:4 (d) (ii) P-70).	896.39	% Sft	5791
40	233	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 mortar 1:3 setting mortar 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	43347
41	880	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	109270
42	825	P/Applying Hi Bond (Sealer ) water proofing polymer Modified comontitions slurries (WPMCS) to be used as water proofing, anticorrosion, weater resistance or curring membranc for fresh concrete having thickness upto 2mm in two coats upto 20' height testured or trowel finish grey or coloured i/c preparing the surface for application aas directed by Engineer Incharge. (C.S.I No: 7 (i) Page No: 17).	2282.77	% Sft	18833
			<b>TOTAL :-</b>		<b>4609115</b>
<b>PART "B"</b>					
1	4	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 with4" dia C.I trap with C.I thumble. (S.I No:1 (b) i P-No:1)	4802.60	Each	19210



Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
2	4	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 coat 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	17015
3	4	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	3754
4	10	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	4472
5	5	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 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	5966
6	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
7		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).			
	4	1/2" dia	161.92	Each	648
	4	3/4 dia	227.92	Each	912
8	8	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	3826
10	10	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	11095
11	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
12	1	S/F swan type pillar cock	795.00	Each	795
13	2	Supplying & fixing Bath room accessories set (7 pieces l/c towel rod, brush holder, soap tray, shelf of approved quality and design etc complete. (S.I No: 22 P-No:19)	8122.40	Each	16245
14		P/F handle valves (China) (S.I No:7 P-No:14).			
ii	4	3/4" dia	271.92	Each	1088
iii	4	1" dia	365.42	Each	1462
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 & overflow pipes etc. complete.			
ii	1	250 Gallon	21989.61	Each	21990
			<b>TOTAL :-</b>		<b>119530</b>

Amount Total (CSR)

Part "A" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Part "B" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Total "A+B" \_\_\_\_\_

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
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**NON SCHEDULE ITEMS**

1	4155	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	
			<b>TOTAL :-</b>		

**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  
 KASHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- NEW DISTRICT ADP SCHEMES 2016-17 @ GBPS Mansoorabad (Repair / Renovation)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" SCHEDULE ITEMS</u></b>					
1	685	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	%Cft	37298
2	562	Dismantling brick work in lime or cement plaster (C.SI No:13 P-10).	1285.63	%Cft	7225
3	1011	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	1223
4	239	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	5445.00	%Cft	13014
5	1194	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	3792
6	490	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	42605
7	1180	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	140991
8	843	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	284091
9	37.633	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	188229
10	696	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	2526
11	1618	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	205071
12	1011	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	6673
13	2199	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.06	%Sft	48511
14	2199	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	48323
15	983	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1213.58	%Sft	11929
16	17.357	S/F Girder at Site of Work	3850.00	P.Cwt	66824
17	10.929	S/F T.Iron at Site of Work	3575.00	P.Cwt	39071
18	28.286	Errection rooled steel beam or old rails in roof etc errection and fixing in position (C.SI No:6 P-91).	186.34	P.Cwt	5271
19	587	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 mortor icluding 1:2 cement pointing under neath of tiles complete including curing etc (C.S.I No:1 P.33).	7607.25	%Sft	44655
20	35	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	8012
21	66	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	15873

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
22	39	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	7040
23	85	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	76749
24	960	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	42353
25	1394	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	45660
26	86	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	12409
27	137	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	41798
28	96	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	5579
29	4	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	P.Sft	1045
30	1385	White wash three coats (C.S.I No:26 (c) P-54).	425.84	%Sft	5898
31	2273	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	19546
32	4820	distemper. Three coat (CSI No. 24 (c) Page No. 54)	1079.65	%Sft	52039
33	584	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	12360
34	544	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	6913
35	75	Providing and fixing 3/8" thick marble tiles of approved quality and coloum 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 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	13953
				<b>TOTAL :-</b>	<b>1536063</b>

**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 with4" 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 & l/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:2)	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



Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
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 & 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	4085
7		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 theheight			
	50	4" dia	146.57	Each	7329
	50	6" dia	199.25	Each	9963
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			
	100	1/2" dia	73.21	Each	7321
	150	3/4" dia	95.79	Each	14369
	80	1" dia	128.50	Each	10280
	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 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).			
	2	1/2" dia	161.92	Each	324
	2	3/4 dia	227.92	Each	456
8	2	S/F concelled stop cock of superior quality with crystal head head 1/2" dia (S.I No:11 (b) P-No:18).	478.28	Each	957
9	2	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	2219
10	1	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	2882
11	1	S/F swan type piller cock	795.00	Each	795
11	1	Supplying and fixing bath room accessories (seven pieces)l/c towel rod , brush holder , soap tray, shelf of approved quality and design etc complete (Si No: 24 P-No:16).	8122.40	Each	8122
12		P/F handle values (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 thicness as specified l/c cost of nutes, bolts and fixing in plateform of cement concrete 1: 3: 6 and makin connections for in -let ,& ou-let & over flow pipes etc. complete.			
i	1	250 Gallon	21989.62	Each	21990
			<b>TOTAL :-</b>		<b>114717</b>

**PART "C" COMPOUND WALL**

1	1929	Excavtion 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	6127
2	384	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	33389
3	1263	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	150908
4	229	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	77173

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
5	14.171	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	70879
6	1350	Pacca brick work other then building including striking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12674.36	%Cft	171104
7	2400	Cement plaster upto 20' height 1/2" thick ratio 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.60	%Sft	52958
8	2400	Cement plaster upto 20' height 3/8" thick ratio 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	52740
9	1800	Cement pointing striking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1213.58	%Sft	21844
10	113	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone aggregate without shuttering Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	%Cft	16305
11	300	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	%Cft	9382
12	300	Supplying and fixing broden glasses on courtyard walls including 1: 3: 6 cement concrete coping.	70.44	P.Sft	21132
12	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
13	2400	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	25912
14	1800	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	15478
15	126	Painting guard bars gats iron bars grating railing including standard braces etc and smiller open work three coat (C.S.I No: 5 (d) (iii) P-70).	1270.83	%Sft	1601
				<b>TOTAL :-</b>	<b>772716</b>

Amount Total (CSR)

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

**NON SCHEDULE ITEMS**

1	288	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	
				<b>TOTAL :-</b>	

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  
KASHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- NEW DISTRICT ADP SCHEMES 2016-17 GPS Dhagi Jagirani (02 C/R)**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><u>PART "A" SCHEDULE ITEMS</u></b>					
1	1011	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	1223
2	239	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	5445.00	%Cft	13014
3	1194	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	3792
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18	35	Providing and fixing G.I frames /Chowkates 7"2" or 4 1/2" 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	8012
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27	4	Rain forcement concrete spout including fixing in position 2 1/2" x 6" x 5" (C.S.I No:14 P.18).	261.25	P.Sft	1045
28	1385	White wash three coats (C.S.I No:26 (c) P-54).	425.84	%Sft	5898
29	2273	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	19546
30	4820	distemper. Three coat (CSI No. 24 (c) Page No. 54)	1079.65	%Sft	52039
31	584	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	12360
32	544	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	6913
33	75	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 mortar 1:3 setting mortar base including filling the joints and washing of tiles wht white cement slurry current finishing cleaning and polishing etc complete (for new work) (C.SI No: 68 (i) P-49).	186.04	P.Sft	13953
<b>TOTAL :-</b>					<b>1536063</b>

Amount Total (CSR)

Part "A" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Part "B" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Total "A+B" \_\_\_\_\_

**NON SCHEDULE ITEMS**

1	640	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	
<b>TOTAL :-</b>					



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  
KASHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- REHABILITATION, IMPROVEMENT RENOVATION & MISSING FACILITIES IN EXISTING SECONDRY / HIGHER SECONDRY SCHOOL OF DISTRICT KASHMORE @ GOVERNMENT BOYS HIGH SCHOOL KARAMPUR TALUKA TANGWANI.**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b>PART "A" SCHEDULE ITEMS</b>					
1	1468	Dismantling cement concrete reinforced separating reinforcement from concrete clearing and straightning the same (C.S.I No:20 P-10).	5445.00	% Cft	79933
2	12064	Dismantling 2nd Class tile roofing (C.S.I No:22 (b) P-11).	378.13	%Sft	45618
3	1092	Dismantling brick work in lime or cement plaster (C.S.I No:13 P-10).	1285.63	% Cft	14039
4	6	Removing doors with chowkats (C.S.I No:33 (a) P-12).	142.18	P.Nos	853
5	9	Removing ventilators and wooden sunshades etc	51.43	P.Nos	463
6	13905	Removing cement or lime plaster (C.S.I No:53 P-13).	121.00	%Sft	16825
7	2311	Dismantling cement concrete plain 1:3:6 (C.S.I No. 19 (b) P-10).	1306.80	%Cft	30200
8	1226	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	3894
9	1243	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)	8694.25	%Cft	108070
10	2124	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	253783
11	4082	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	14818
13	1634	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	550658
14	69.299	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:7 B P.20).	5001.70	P.Cwt	346613
15	1125	Pacca brick work other then building including striking of joints up to feet height (C.S.I No: 7 (e) Page No: 22)	12346.65	% Cft	138900
16	578	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	% Cft	73258
17	13905	Applying & Flooting coat of cement 1/32" thick (C.S.I No:14 P-53).	660.00	%Sft	91773
18	13905	Cement plaster upto 20' height 3/4" thick rario 1:4 (C.S.I No: 11 ( c) Page No: 52).	3015.76	%Sft	419341
19	5408	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 58).	2206.60	%Sft	119333
20	5408	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	118842
21	3017	Cement pointing striking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1287.44	%Sft	38842
22	6931	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	368060
23	2254	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.38).	10.70	P.Sft	24118
24	6931	Cement pointing flush upto 20" height ratio: 1:2. (CSI No. 17 (a) Page No. 53)	1151.32	%Sft	79798

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
25	7328	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	323298
26	6633	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	217264
27	630	Cement Concrete plain including placing compacting finishing and curing complete including screening complete and washing of stone aggregate without shuttering Ratio: 1:2:4. (C.S.I No. 5 (f) Page No:16)	14429.25	% Sft	90904
28	55	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 slurry 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	16780
29	95	First class deodar wood wrought joinery in doors and windos etc fixed in position 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.Rft	85778
30	120	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 nols 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	28860
31	38	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 etcomplete weightg not less than 3.7 lbs of finished grill (C.S.I No:26 P.93).	180.50	P.Sft	6859
32	640	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	37190
33	20	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	5225
34	8860	White wash three coats (C.S.I No:26 (c) P-54).	829.95	% Sft	73534
35	12097	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	% Sft	104022
36	32392	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	% Sft	143416
37	32392	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	% Sft	349720
38	3634	Painting new surface, and paiting of doors and windows any type (i/c edges) 2 coats (C.S.I No:4 (c) P-76).	1489.68	% Sft	54135
39	646	Painting guard bars gats iron bars grating raling including standard braces etc and smiller open work two coat (C.S.I No:4 (d) (ii) P-70).	896.39	% Sft	5791
40	233	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 / lucking 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	43347
41	880	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	109270
42	825	Applying Hi Bond (Sealer ) water proofing polymer Modified cementitious slurries (WPMCS) to be used as water proofing, anticorrosion, weater resistance or curring membranc for fresh concrete having thickness upto 2mm in two coats upto 20' height testured or trowel finish grey or coloured i/c preparing the surface for application as directed by Engineer Incharge. (C.S.I No: 7 (i) Page No: 17).	2282.77	% Sft	18833

**TOTAL :-**

**4609115**

**PART "B"**

1	4	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	19210
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Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
2	4	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 coat 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	17015
3	4	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	3754
4	10	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	4472
5	5	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 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	5966
6	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
7		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).			
	4	1/2" dia	161.92	Each	648
	4	3/4 dia	227.92	Each	912
8	8	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	3826
10	10	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	11095
11	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
12	1	S/F swan type pillar cock	795.00	Each	795
13	2	Supplying & fixing Bath room accessories set (7 pieces l/c towel rod, brush holder, soap tray, shelf of approved quality and design etc complete. (S.I No: 22 P-No:19)	8122.40	Each	16245
14		P/F handle valves (China) (S.I No:7 P-No:14).			
ii	4	3/4" dia	271.92	Each	1088
iii	4	1" dia	365.42	Each	1462
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, & ou-let & cover flow pipes etc. complete.			
ii	1	250 Gallon	21989.61	Each	21990
			<b>TOTAL :-</b>		<b>119530</b>

Amount Total (CSR)

Part "A" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Part "B" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Total "A+B" \_\_\_\_\_



Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
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NON SCHEDULE ITEMS

1	2155	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	
<b>TOTAL :-</b>					

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  
KASHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- Early Childhood Education (ECE) Intervention Larkano Division @ GBPS Madarsah Ahya UI Uloom Taluka Kashmore.**

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b><i>PART "A" SCHEDULE ITEMS</i></b>					
1	1513	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure 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	4806
2	602	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	52344
5	1244	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	148638
6	704	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	237248
7	37.714	Fabrication of Tor steel reinforcecment 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	188634
8	504	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	762
9	969	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%0Cft	1106
12	1275	Pacca brick work in ground floor in cement sand mortor ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	161598
13	91	Providing and fixing G.I frames /Chowkates 7"2" or 4 1/2" 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	20830
14	60	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	14430
23	32	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.97).	180.50	P.Sft	5776
13	1907	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.06	%Sft	42070
14	1907	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	41907
15	913	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1213.58	%Sft	11080

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
15	1070	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	35048
15	776	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	14646
16		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
16	11	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	1587
19	33	Laying floor of approved colour glazed tile 1/4" thick lead in white cement and pigment on a bed of 3/4: thick cement mortar 1:2 complete (C.S.I No:25 P-43) .	27747.06	%Sft	9157
19	33	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	9134
20	230	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) .	28253.61	%Sft	64983
25	136	First class deodar wood wrought joinery in doors and windos etc fixed in position i/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	122798
32	32	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	1860
38	607	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	5038
39	1907	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	8443
40	1907	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	20589
42	352	Painting new surface, and painting of doors and windows any type (i/c edges) 2 coats (C.S.I No:4 (c) P-76).	2116.41	%Sft	7450
43	913	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	7851
				<b>TOTAL :-</b>	<b>1214425</b>

**PART "B"**

1	1	Providing & fixing squatting type white glazed of flush cisten with internal fitting&flush pipe with bend and making requisite 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	4803
2	1	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 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).	4928.00	Each	4928
3	1	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	938
4	2	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	894
5	1	P/F 6" x 4" c.c gully trap with 4" dia	1193.17	Each	1193

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6		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 theheight			
	20	4" dia	146.57	Each	2931
	20	6" dia	199.25	Each	3985
7	1	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	2042
8		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 zink paint with pigment to match t			
	50	1/2" dia	73.21	Each	3661
	30	3/4" dia	95.79	Each	2874
	20	1" dia	128.50	Each	2570
	10	1 1/4" dia	153.19	Each	1532
9		Add: extra labour for concealed G.I pipe and fitting			
	20	1/2" dia	7.82	Each	156
	20	3/4" dia	8.45	Each	169
10		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:6 (b) P-No:14).			
	2	1/2" dia	161.92	Each	324
	2	3/4" dia	227.92	Each	456
11	1	S/Fixing long bib- cock of superir quality with c.p head 1/2" dia.	1109.46	Each	1109
12	2	S/F in possition C.P bib cock (S.I No:1(b) P-No:13).	478.28	Each	957
13	1	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	2882
14	1	S/F Swan type pillers cock of superior quality with arystal head (S.I No:18 (b) P-No:16).	795.30	Each	795
15		Providing and fixing handle valves (china)			
	1	3/4" dia	271.92	Each	272
	1	1" dia	365.42	Each	365
16		Supplying & fixing fibre glass tank of approved quality and design and wall thicness as specified l/c cost of nutes, bolts and fixing in plateform of cement concrete 1: 3: 6 and makin connections for in -let ,& ou-let & over flow pipes etc. complete.			
i	1	250 Gallon	21989.62	Each	21990
16		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:21)			
	30	3" dia	137.00	R.FT	4110
	30	4" dia	226.00	R.FT	6780
17	60	Boring for tube well in all watering berring soils from ground level upto 100 ft or 30.5 mt i/c sinking and withdrawing of cassing pipr 8mm 3" dia	160.00	Each	9600



Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
18	1	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	14748
<b>TOTAL :-</b>					<b>96391</b>

Amount Total (CSR)

Part "A" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Part "B" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Total "A+B" \_\_\_\_\_

**NON SCHEDULE ITEMS**

1	383	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	
<b>TOTAL :-</b>					

**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  
 KASHMORE @ KANDHKOT

# BILL OF QUANTITIES

Discription and Rate of Items based on Composite Schedule of Rates

**NAME OF WORK :- Early Childhood Education (ECE) Intervention Larkano Division @ GBPS Mumtazabad Taluka Kandhkot.**

Item No	Quantities	Description of item to be executed at site	Rate	Units	Amount
<b>PART "A" SCHEDULE ITEMS</b>					
1	1513	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure 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	4806
2	602	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	52344
5	1244	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	148638
6	704	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	237248
7	37.714	Fabrication of Tor steel reinforcecement 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	188634
8	504	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	762
9	969	Supplying and filling sand under floor and plugging in walls .(C.S.I No:29 P.26).	1141.25	%0Cft	1106
12	1275	Pacca brick work in ground floor in cement sand mortar ratio: (C.S.I No: 5 (e) Page No: 21)	12674.36	%Cft	161598
13	91	Providing and fixing G.I frames /Chowkates 7"2" or 4 1/2" 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	20830
14	60	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	14430
23	32	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.97).	180.50	P.Sft	5776
13	1907	Cement plaster upto 20' height 1/2" thick rario 1:6 (C.S.I No: 13 (b)Page No: 52).	2206.06	%Sft	42070
14	1907	Cement plaster upto 20' height 3/8" thick rario 1:4 (C.S.I No: 11 (a) Page No: 52).	2197.52	%Sft	41907
15	913	Cement pointing strucking of joints of walls ratio 1:2 (C.S.I No: 19 (a) Page. 53)	1213.58	%Sft	11080

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
15	1070	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	35048
	776	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	14646
		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
	11	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	1587
19	33	Laying floor of approved colour glazed tile 1/4" thick leed in white cement and pigment on a bed of 3/4: thick cement mortar 1:2 complete (C.S.I No:25 P-43) .	27747.06	%Sft	9157
19	33	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	9134
20	230	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) .	28253.61	%Sft	64983
25	136	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	122798
32	32	Notice board made with cement (C.S.I No:1 P.95).	58.11	P.Sft	1860
38	607	White wash three coats (C.S.I No:26 (c) P-54).	829.95	%Sft	5038
39	1907	Primary coat of chalk under destember (C.S.I No:23 P-54).	442.75	%Sft	8443
40	1907	Destember three coats (C.S.I No:24 (c) P-54).	1079.65	%Sft	20589
42	352	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	7450
43	913	Colour washing two coats (C.S.I No:25 (b) P-54).	859.90	%Sft	7851
				<b>TOTAL :-</b>	<b>1214425</b>

**PART "B"**

1	1	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 with4" dia C.I trap with C.I thumble. (S.I No:1 (b) i P-No:1)	4802.60	Each	4803
2	1	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 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).	4928.00	Each	4928
3	1	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	938
4	2	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	894
5	1	P/F 6" x 4" c.c gully trap with 4" dia	1193.17	Each	1193

Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
6		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 theheight			
	20	4" dia	146.57	Each	2931
	20	6" dia	199.25	Each	3985
7	1	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 & 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	2042
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			
	50	1/2" dia	73.21	Each	3661
	30	3/4" dia	95.79	Each	2874
	20	1" dia	128.50	Each	2570
	10	1 1/4" dia	153.19	Each	1532
9		Add: extra labour for concealed G.I pipe and fitting			
	20	1/2" dia	7.82	Each	156
	20	3/4" dia	8.45	Each	169
10		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:6 (b) P-No:14).			
	2	1/2" dia	161.92	Each	324
	2	3/4" dia	227.92	Each	456
11	1	S/Fixing long bib- cock of superir quality with c.p head 1/2" dia.	1109.46	Each	1109
12	2	S/F in possition C.P bib cock (S.I No:1(b) P-No:13).	478.28	Each	957
13	1	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	2882
14	1	S/F Swan type pillers cock of superior quality with arystal head (S.I No:18 (b) P-No:16).	795.30	Each	795
15		Providing and fixing handle valves (china)			
	1	3/4" dia	271.92	Each	272
	1	1" dia	365.42	Each	365
16		Supplying & fixing fibre glass tank of approved quality and design and wall thicness as specified l/c cost of nutes, bolts and fixing in plateform of cement concrete 1: 3: 6 and makin connections for in -let ,& ou-let & over flow pipes etc. complete.			
i	1	250 Gallon	21989.62	Each	21990
16		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:21)			
	30	3" dia	137.00	R.FT	4110
	30	4" dia	226.00	R.FT	6780
17	60	Boring for tube well in all watering berring soils from ground level upto 100 ft or 30.5 mt i/c sinking and withdrawing of cassing pipr 8mm 3" dia	160.00	Each	9600



Item No.	Quantities	Description of item to be executed at site	Rate	Units	Amount
18	1	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	14748
<b>TOTAL :-</b>					<b>96391</b>

Amount Total (CSR)

Part "A" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Part "B" % Above / Below \_\_\_\_\_ Total Amount \_\_\_\_\_

Total "A+B" \_\_\_\_\_

**NON SCHEDULE ITEMS**

1	383	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	
<b>TOTAL :-</b>					

**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  
 KASHMORE @ KANDHKOT