



PC-1

Construction of Multi-Story 08-Nos. Courts for AD&SJs and 16-Nos. Courts for Civil Judges at District Headquarter Sheikhpura

ORIGINAL APPROVED COST	PKR Million. 1,027.810/-
ORIGINAL APPROVED GESTATION	31 Months Till June 2027
APPROVAL FORUM	PDWP (PDWP)

1. NAME OF THE PROJECT

Construction of Multi-Story 08-Nos. Courts for AD&SJs and 16-Nos. Courts for Civil Judges at District Headquarter Sheikhpura

JUDICIARY

DISTRICT SHEIKHUPURA

PC-I

FOR THE

CONSTRUCTION OF MULTI-STORY 08-NOS. COURTS
FOR AD&SJS AND 16-NOS. COURTS FOR CIVIL
JUDGES AT DISTRICT HEADQUARTER
SHEIKHUPURA.

PC-I FORM

GOVERNMENT BUILDINGS

(INFRASTRUCTURE SECTOR)

1.	Name of Project	Construction of Multi-Story 08-Nos. Courts for AD&SJs and 16-Nos. Courts for Civil Judges at District Headquarter Sheikhpura		
2.	Location	Kachehri Road, Civil Lines, Sheikhpura.		
	GPS Coordinates			
	Latitude	31.716687		
	Longitude	73.969153		
3.	Authorities responsible for			
	a.	Sponsoring	Lahore High Court, Lahore	
	b.	Execution	Communications & Works Department	
	c.	Operational & Maintenance	Communications & Works Department	
4.	Plan Provision	Total Cost: - Rs.1027.810-Million. Appearing at G.Sr. No.2758 of the ADP 2024-25 with an allocation of funds amounting to Rs.50.000-Million.		
		2024-25	2025-26	2026-27
		Rs.50.000-Million	Rs.500.000-Million	Rs.477.810-Million
5.	Project objectives and its relationship with sectoral objectives	There are acute shortage of proper Courts at District Headquarters Sheikhpura. Only 21-Nos. proper Courts are available against the sanctioned strength of 40-Nos. in which 8-Nos. Courts established in the District Administration Complex and the same were returned to the District Administration after construction of additional Courts. There is deficiency of 27-Nos. Courts at District Headquarters Sheikhpura. Existing courts complex have become insufficient and also lacks necessary facilities and does not commensurate with the decorum and dignity of an institution which provides justice to the people.		
6.	Description, justification and technical parameters	Due to unavailability of proper Courts, the Judicial Officers face great inconvenience. Therefore, the land measuring 11-kanals 13-marlas was transferred in favour of Judiciary for construction of additional Courts. Layout and line plans of the scheme in question were approved by the Hon'ble Chief Justice.		

7.	Major Components	<ul style="list-style-type: none">AD&SJ Courts Block = Double Storey 8-Nos. Courts.Civil Judge Courts Block = 16-Nos. Courts. (Ground + 4 Floors)Litigants ShedGuard RoomSecurity Post / Watch Wall PostSecurity Wall 9” thick 8’ Height with Razor Cut WireM.S Jangla on Boundary wallMain ornamental Gate & Gate Pillar i/c 02-Nos. Wiked Gates.Earth filling & Fiber ShedTubewell Chamber with Tubewell boringOHR 10000 gallonsPassenger Lift Capacity 1000 KG (Ground to 3rd Storey)Passenger Lift Capacity 1000 KG (Ground to 5th Storey)Provision of non-clogging centrifugal pump	
8.	Capital Cost Estimates	Rs.1027.810-Million	
9.	Annual operating and maintenance cost after completion of the project	Rs.20.556-Million	
10.	Demand and supply analysis	The sanctioned strength of the Judicial Officers at Sheikhupura is 40 which comprises 12-No. D&SJ, /AD&SJJ, 03-Nos. SCJ and 25-Nos. 10 CJJ. Total Courts 21-Nos. proper Courts are available (10-No. D&SJ /AD&SJJ, 01-No. SCJ and 10-Nos. CJJ) Therefore, an estimate has been prepared by the Buildings Department whereby additional Courts (8-Nos. for AD&SJ & 16-Nos. for CJ) alongwith allied facilities are to be constructed.	
11.	Financial Plan and mode of financing	Through Annual Development Program	
12.	Projects benefit analysis	The project will resolve problems of the Judicial Officers, lawyers and litigants who face great difficulties due to unavailability of proper courts in connection with dispensation of justice to people of the area.	
	i.	Finance	N.A
	ii.	Social benefits with indicators	The project will resolve problems of the Judicial Officers, lawyers and litigants who face great difficulties due to unavailability of proper courts in connection with dispensation of justice to people of the area.
	iii.	Employment generation (Direct and indirect)	Provide employment opportunity to the people.
	iv.	Environmental impact	No adverse impact on environment.
	v.	Impact of delay on project cost and viability	The cost of the project would increase due to increase in cost of raw materials involved in the construction of the project.

13.	Implementation schedule	The project will be completed in 03-years subject to availability of full funds.
	a. Result based monitoring (RMB) indicators	The project will resolve problems of the Judicial Officers, lawyers and litigants who face great difficulties in dispensation of justice to people of the area and provide better working condition.
14.	Management structure and man Power requirements including specialized skills during execution and operational phases	Executing Department would arrange management structure, man power, etc.
15.	Additional projects / decision required to maximize socio economic benefits from the proposed project.	N.A
16.	Certified that the project proposal has been prepared on the basis of instructions provided by the planning commission for the preparation of PC-I for Infrastructure Sector projects.	It is certified that the project proposal has been prepared on the basis of instructions provided by the Planning Commission for the preparation of PC-I.

Prepared by


(Asif Ali)

Senior Scale Office Coordinator

Lahore High Court Lahore.

Ph:042-99212951 Ext.328

Checked by



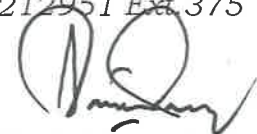
(Muhammad Abid Rafique)

Deputy Registrar (B&M)

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Ph:042-99212951 Ext.375

Approved by



(Sajjad Ahmad)

Additional Registrar (B&M)

Lahore High Court Lahore.

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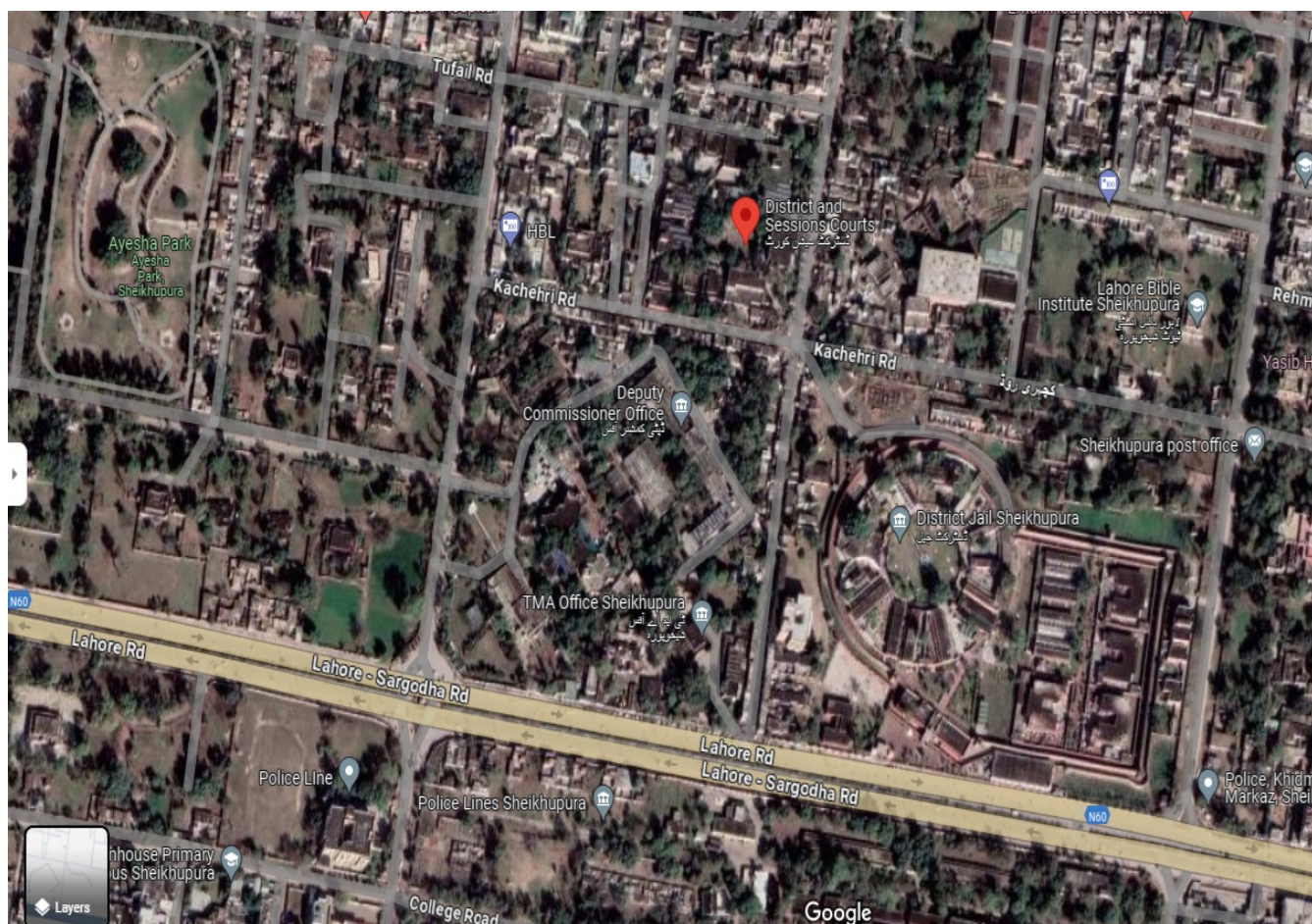
2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. SHEIKHUPURA

2.2. TEHSIL(S)

I. SHEIKHUPURA



3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- JUDICIARY

3.2. EXECUTION AGENCY

- COMMUNICATION & WORKS DEPARTMENT

3.3. OPERATIONS AND MAINTENANCE AGENCY

- COMMUNICATION & WORKS DEPARTMENT

3.4. CONCERNED FEDERAL MINISTRY

- LAW AND JUSTICE

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	GS No: 2758
3	Total Allocation: 50.000

Comments:

Appearing at G.Sr. No. 2758 of the ADP 2024-25 with an allocation of funds amounting to Rs. 50.000-Million

5. PROJECT OBJECTIVES

There is an acute shortage of proper Courts at District Headquarters Sheikhupura. Only 21-Nos. proper Courts are available against the sanctioned strength of 40-Nos. in which 8-Nos. Courts established in the District Administration Complex and the same were returned to the District Administration after construction of additional Courts. There is a deficiency of 27-Nos. Courts at District Headquarters Sheikhupura. Existing courts complex have become insufficient and also lacks necessary facilities and does not commensurate with the decorum and dignity of an institution which provides justice to the people. Following scope of work will be executed: -

- AD&SJ Courts Block = Double Storey 8-Nos. Courts.
- Civil Judge Courts Block = 16-Nos. Courts. (Ground + 4 Floors)
- Litigants Shed
- Guard Room
- Security Post / Watch Wall Post
- Security Wall 9'' thick 8' Height with Razor Cut Wire
- S Jangla on Boundary wall
- Main ornamental Gate & Gate Pillar i/c 02-Nos. Wicket Gates.
- Earth filling & Fiber Shed
- Tubewell Chamber with Tubewell boring
- OHR 10000 gallons
- Passenger Lift Capacity 1000 KG (Ground to 3rd Storey)
- Passenger Lift Capacity 1000 KG (Ground to 5th Storey)
- Provision of non-clogging centrifugal pump

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT:

Due to unavailability of proper Courts, the Judicial Officers face great inconvenience. Therefore, the land measuring 11-kanals 13-marlas was transferred in favour of Judiciary for construction of additional Courts. Layout and line plans of the scheme in question were approved by the Hon'ble Chief Justice.

6.2 SECTORAL SPECIFIC INFORMATION:

Public Buildings sector contributes to economy in manifold manners. First of all, it provides basic and essential infrastructure to the government for it's working. Government requires the public offices and official residences as essential physical resources to carry out its functions / operations. Adequate building infrastructure ensures the proper functioning of the government functionaries and service delivery to general public. Moreover, spending on public buildings / construction sector also triggers demand and contributes towards economic growth and revival. It also generates wide ranging employment opportunities. It's multiple effects on the economy are demonstrated through the wide-ranging potential of the construction activities in generating industrial production, developing small and medium enterprises, creating selfemployment opportunities, flourishing business, commerce and trade activities and at the same time enhancing utilization of indigenous natural and man-made resources. In addition to above, it also contributes significantly in fostering social cohesion and environmental improvements.

7. CAPITAL COST ESTIMATES:

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203

Grant Number:Government Buildings - (PC12042)
LO NO:LO24004418
A/C To be Credited:Account-I

PKR Million							
Sr #	Object Code	2024-2025		2025-2026		2026-2027	
		Local	Foreign	Local	Foreign	Local	Foreign
1	A12401-Office Buildings	50.000	0.000	500.000	0.000	477.810	0.000
Total		50.000	0.000	500.000	0.000	477.810	0.000

ROUGH COST ESTIMATE FOR CONSTRUCTION MULTISTORY 08 Nos COURTS FOR AD&SJS AND 16 Nos COURTS FOR CIVIL JUDGES AT HEADQUATER SHEIKHUPURA (ADP NO.2758 FOR YEAR 2024-25)										
Sr. No	Item of Work	As Per Plinth Area Rate 2nd Bi-Annual-2024 (01.07.2024 to 31.12.2024) District Sheikhpura								REMARKS
		QTY	UNIT	B.P	E.I	P.H	Sui Gas	Total Rate	Amount	
1	2	3	4	5	6	7	8	9	10	11
1	CONSTRUCTION OF Addition Session & Civil Courts Block (SCH NO.336 SUB SCH NO.1 DRG No.3,4,7,8									
i	Ground floor (10000x5% = 500 Sft) + 10000 = 10500	10500	P Sft	8019	326	175	80	8600	90300000	4821+1035+(721x3)
ii	First Floor (10000x5% = 500 Sft) + 10000 = 10500	10500	P Sft	5354	326	175	80	5935	62317500	4821+1035+207-709
iii	2nd Floor Mumty (3x19x18)	1026	P Sft	5561	326			5887	6040062	4821+1035+207+207-709
iv	Extra Rate for Deeper foundation 3'	10500	P Sft	276				276	2898000	92x3 = 276
vi	Provision of Dise/ Courts Ketehra 2'-6" Height Consisting Of Master Ballaster Of Shisham Wood complete.	8	P Job	1030740				1030740	8245920	
vii	Provision of Architectural Feature as per C.A Elevation Drawings complete.	10500	P Sft	350				350	3675000	
viii	Providing and laying fair face Gutka cladding laid in(1:2) cement / red posso mortar having 1/4" thick groove finish/c cost of 8 SWG wirein shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete inall respect as approved and directed by the Engineer Incharge i. 2-1/4" x 2-1/4" x 9"	10183	P Sft	260.45				260.45	2652162	

Sr. No	Item of Work	As Per Plinth Area Rate 2nd Bi-Annual-2024 (01.07.2024 to 31.12.2024) District Sheikhpura								REMARKS
		QTY	UNIT	B.P	E.I	P.H	Sui Gas	Total Rate	Amount	
1	2	3	4	5	6	7	8	9	10	11
								Total A	176128644	
2	CONSTRUCTION OF Civil Courts Block (SCH NO.336 SUB SCH NO.2 DRG No.1,2,3,4									
i	Ground floor (9725x5% = 486 Sft) + 9725 = 10211	10211	P Sft	8744	326	175	80	9325	95217575	4821+1035+2888
ii	First Floor (9400x5% = 470 Sft) + 9400 = 9870	9870	P Sft	5354	326	175	80	5935	58578450	4821+1035+207-709
iii	2nd Floor (9400x5% = 470 Sft) + 9400 = 9870	9870	P Sft	5561	326	175	80	6142	60621540	4821+1035+207+207-709
iv	3rd Floor (9400x5% = 470 Sft) + 9400 = 9870	9870	P Sft	5768	326	175	80	6349	62664630	4821+1035+207+207+207-709
v	4rth Floor (9400x5% = 470 Sft) + 9400 = 9870	9870	P Sft	5975	326	162	80	6543	64579410	4821+1035+207+207+207+207-709
vi	Mumty (4x24.25x16)	1552	P Sft	5856	326			6182	9594464	4821+1035
iv	Extra Rate for Deeper foundation 3'	10211	P Sft	276				276	2818236	92x3 = 276
vi	Provision of Dise/ Courts Ketehra 2'-6" Height Consisting Of Master Ballaster Of Shisham Wood complete.	16	P Job	1030740				1030740	16491840	
vii	Provision of Architectural Feature as per C.A Elevation Drawings complete.	10211	P Sft	350				350	3573850	
viii	Providing and laying fair face Gutka cladding laid in(1:2) cement / red posso mortar having 1/4" thick groove finishi/c cost of 8 SWG wirein shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete inall respect as approved and directed by the Engineer Incharge i. 2-1/4" x 2-1/4" x 9"	22812	P Sft	260.45				260.45	5941385	

Sr. No	Item of Work	As Per Plinth Area Rate 2nd Bi-Annual-2024 (01.07.2024 to 31.12.2024) District Sheikhpura								REMARKS
		QTY	UNIT	B.P	E.I	P.H	Sui Gas	Total Rate	Amount	
1	2	3	4	5	6	7	8	9	10	11
								Total B	380081380	
3	CONSTRUCTION OF LITIGENT SHED (SCH NO.4096 SUB SCH NO. Nil DRG NO.01 Dated									
i	Ground Floor (2x1552) M/F	3104	P Sft	6577	326	175	80	7158	22218432	4821+1035+721
ii	Extra Rate for Deeper foundation	1552	Sft	276				276	428352	92x3 = 276
iii	Providing and laying fair face Gutka cladding laid in(1:2) cement / red posso mortar having 1/4" thick groove finish/i/c cost of 8 SWG wirein shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete inall respect as approved and directed by the Engineer Incharge i. 2-1/4" x 2-1/4" x 9"	3454	P Sft	260.45				260.45	899594	
								Total C	23546378	
4	CONSTRUCTION OF GUARD ROOM									
i	Main Building (2x13.5x13.5 = 365)	365	P Sft	5542	326	175	80	6123	2234895	4821+721
ii	Extra Rate for Deeper foundation	365	P Sft	276				276	100740	92x3 = 276
								Total D	2335635	
5	CONSTRUCTION OF SECURITY POST / WATCH WALL POST 5-NOS	5	No	3234604				3234604	16173021	Detailed attached
Total E									16173021	/-
Grand Total (A-E)									598265059	/-

Sr. No	Item of Work	As Per Plinth Area Rate 2nd Bi-Annual-2024 (01.07.2024 to 31.12.2024) District Sheikhpura								REMARKS
		QTY	UNIT	B.P	E.I	P.H	Sui Gas	Total Rate	Amount	
		3	4	5	6	7	8	9	10	
1	2	3	4	5	6	7	8	9	10	11
6	Construction of Security Wall 9" thick 8' height above plinth.	936	P Rft	9719				9719	9096984	
7	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c clad over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16"embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as pproved and directed by the Engineer incharge. 24" dia.	936	P Rft	669.4				669.4	626558	
8	Construction of Main Ornamental Gate & Gate Pillar i/c 02-Nos Wiked gates.	1	Each	1936567				1936567	1936567	Detailed attached
9	Construction of. Gate & Gate Pillar i/c Wiked gate.	1	Each	646781				646781	646781	Detailed attached
10	Earth Filling & Fiber Shed								6932418	Detailed attached
11	Construction of Tubewall Chamber 1x13-1/2x13-1/2 = 182 Sft	182	P Sft	4821	326	175		5322	968604	
ii)	Extra Rate for Deeper foundation	182	P Sft	276				276	50232	92x3 = 252
12	Cost fo Tubewell Boring 600' Deep with 1-cusec Vertical Line Shaft Turbine Pump (KSB) DWT with 200 ft head, column setting, electirc moter 3-Phase 40 HP (Siemens) complete in working order as approved & directed by the Engineer Incharge.								20895621	Detailed attached

Sr. No	Item of Work	As Per Plinth Area Rate 2nd Bi-Annual-2024 (01.07.2024 to 31.12.2024) District Sheikhpura								REMARKS
		QTY	UNIT	B.P	E.I	P.H	Sui Gas	Total Rate	Amount	
		3	4	5	6	7	8	9	10	
1	2	3	4	5	6	7	8	9	10	11
13	Design and construction of RCC over head reservoir of 10000 Gallon	10000	P Gln	620				620	6200000	
14	Provision of Traction, Passenger Lift Capcity 1000 Kg, 13 Passengers with Doppler ES MS, Width 90 x Height 2000, Straight, Automatic Sliding, VVVF, Leaft Two Panels Standard, inox satin Antimagnetic, Light cortain etc complete in all respect. (Manufacturer by DOPPLER GREECE (West Europe) (For Ground to 3rd Storey)	3	P Job	20400000				20400000	61200000	
b)	- - - -do - - - - (For Ground to 5th Storey)	4	P Job	35400000				35400000	141600000	
15	Provision of Non Clogging Centifugal Pump (KSB) , with electirc moter 3-Phase 10 HP (Siemens) complete in working order as approved & directed by the Engineer Incharge.	1	P Job	3500000				3500000	3500000	
Total									861918824	
Add 15% External Development on Rs,									598265059	89739759
Total									959823025	
Add 5% P.S.T									47991151	
Add Wapd Connection Charges									15000000	
Add Sui Gas Connection Charges									5000000	
Net Total									1027814176	
Say Rs. In Million									1027.814	

Sr. No	Item of Work	As Per Plinth Area Rate 2nd Bi-Annual-2024 (01.07.2024 to 31.12.2024) District Sheikhpura								REMARKS
		QTY	UNIT	B.P	E.I	P.H	Sui Gas	Total Rate	Amount	
1	2	3	4	5	6	7	8	9	10	11

Sub Divisional Officer
Buildings Sub Division Sheikhpura

(TUBEWELL BORING WITH MACHINERY)

S.No	Descriptions of Items.	Unit	Qty.	Rate.	Amount.	Remarks
1	2	3	4	5	6	7
1	Director rotary/reverse rotating drilling bore for tube well in all type of soil except shingle gravel					
a)	From 0' to 250' below ground level 15" to 18" dia	P.Rft	250	890.65	222663	
b)	Exceeding 250' to depth below ground level 15" to 18" dia	P.Rft	450	890.65	400793	
2	Providing & installation M.S bail plug in tube well bore hole 6" dia	Each	1	4942.70	4943	
3	P/I Brass strainer in tube well hole i/c socket special socket studs etc complete 6" dia 3/16" thick	P.Rft	150	7918.00	1187700	
4	Providing strong substantially built box of deodar wood 4'x2-1/2'x9" with compartments lock and locking arrangement complete	P.Job	1	53474.05	53474	
5	Furnishing sample of water from bore hole.	P.Set	3	232.45	697	
6	Testing and developing of tube well size 6" dia 72 Hours and above continuously upto 1.5 discharge.	P.Hours	72	3477.95	250412	
7	Shrouding with graded pea gravel 3/8" to 1/8" around tube well in bore hole.	P.Cft	1028	204.30	210092	
8	Providing and installing M.S. blind pipe socketed/welded Chap joint, M.S. reducer (where necessary), in tubewell bore 2 hole, including jointing / welding with strainer, etc complete:-6" i/d, 3/16" (150 mm i/d 5 mm) thick	P.Rft	450	2781.25	1251563	
9	Providing and installing M.S. blind pipe socketed/welded Chap joint, M.S. reducer (where necessary), in tubewell bore 2 hole, including jointing / welding with strainer, etc complete:-12" i/d, 1/4" (300 mm i/d 6 mm) thick	P.Rft	180	6413.75	1154475	
10	P/F vertical shaft turbine pump DWT 1 cusec (KSB) Best Quality made with 200 ft head, column setting complete in working order as approved & directed by the Engineer Incharge.	P.Job	1	15500000	15500000	
11	P/F Cost of Chian Pully 2.5 ton capacity approved quality by the engineer Incharge.	Each	1	25000.00	25000	
12	P/F M.S steel girder size 5"x9" best quality as approved by the Engineer Incharge.	P.Rft	14	1800.00	25200	

Total:- 20287011

Add 3% Contingency

608610

Total:- 20895621

ANALYSIS OF RATE FOR P/F COURTS KETEHRA 2'-6" HEIGHT CONSISTING OF MASTER BALLASTER OF SHISHAM WOOD SIZE 5"X5"X3'-1" ORNAMENTAL PLACED AT CORNERS CONNECTED WITH CENTER BALLASTERS 3"X3"X2'-4" ORNAMENTAL WITH HAND RAILING 2" THICK MADE OF SHISHAM WOOD FIXED WITH 3/4" THICK FINE SHISHAM WOOD PALNK TAPPERD (6"+9") FIXED WIOTH BEADING I/C POLISHING , NUT BOLTS AS PER ARCHITECTURAL DRAWING / DESIGN (DRAWING NO.11 SCHEME NO.2426) AS APPROVED / DIRECTED BY THE ENGINEER INCHARGE.

Unit for Analysis = Per Job						
S.No	Description	Qty		Rate	Unit	Amount
	MATERIAL :-					
1	Shesham Wood 2X20X1/3X1/3	4 Cft				
	Main Post 2x4x5/12x3-1/12	5 "				
	Blaster 2x10x1/4x1/4x2-1/4	3 "				
	Top railing 2x(4+3-1/4+2)x1/4x7/12	3 "				
	Front railing 1x12x1/4x7/12	2 "				
	Planks 1x12x1-1/8x1/8	2 "				
	1x16x2-1/4x1/8	5 "				
	Total :-	24 Cft				
	Extra for Architecture feature as per drawing 13.75% .	3 "				
	Total :-	27 Cft				
	Add 40% Wastage on Rs: 20/-	11 "				
	Total :-	38 Cft		19500	P.Cft	741000
	Add extar cost of termite proofing	L-S				9500
	LABOUR :-					
1	Making Ketehra in shape as per drawing.					
	Carpenter	8 Day		1800	P.Day	14400
	Helper	8 Day		1450	P.Day	11600
2	Fitting at site					
	Carpenter	2 Day		1800	P.Day	3600
	Helper	2 Day		1450	P.Day	2900
	10% Sunderies Charges on Rs. 40000					3250
3	Polishing the same after fitting					
	2x20x5	200 Sft		286	P.Sft	57200
4	Sundries i.e nuts bolts, nails, rawl, plug etc	L-S			L-S	2500
5	Cost of sawing the wood	32 Cft		95	P.Cft	3500
6	Carriage charges of wood from timber market to workshop then to the site.	L-S			L-S	9500
Total :-						858950
Add 10% Contracor Profit						85,895
Add 10% Over Head Chrages						85,895
TOTAL						1,030,740

Sub Divisional Officer
Buildings Sub Division Ferozewala

Gate & Gate Pillar

1	Excavation in foundation of building, bridges and other structure, i/ c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil.									
	3	4	4	2 1/2	120	Cft				
					@		15,824.10	%o Cft		1899
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- 1:6:18									
	3	4	4	1/3	16	Cft				
					@		27520.2	% Cft		4403
3	Reinforcement of cement concrete in slab of rafts/ strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring from work (i. e horizontal shuttering) complete in all respect (1:2:4).									
	3	3 1/2	3 1/2	3/4	27.56	Cft				
	3	3/4	3/4	13	21.94	"				
					49.5	"				
					@		738.05	P Cft		36533
4	Fabrication of mild steel reinforcement for cement concrete i/ c cutting, bending, laying, in position, making joints and fastening i/ c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars) deformed bars.									
	49 1/2	6 3/4	4/9		151.7	Kgs				
					@		35865.4	% Kgs		54405
6	Pacca brick other than building in cement sand mortar (1:4).									
	3	3	3/4	13	87.75	Cft				
	3	1 1/2	3/4	13	43.88	"				
					131.6	"				
					@		39338.4	% Sft		51779
5	Cement pointing struck joints, on walls, upto 20' (6.00 m) height:- a) ratio 1:2 with red oxide pigment									
	3	4	2 3/4	13	429	Sft				
					429	"				
					@		5668.2	% Sft		24317
7	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8 (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement									
	1	15	8		120	Sft				
	1	4	8		32	"				
					152	"				
					@		2905.8	P Sft		441682
8	Painting doors and windows, 3-coats on new surface									
			2	152	304	Sft				
					@		4251.45	% Sft		12924
							Total			627943
							Add 3% Contingency			18838
							Total			646781

SUB Engineer
Buildings Sub Division
Sheikhupura

SUB DIVISIONAL OFFICER
Buildings Sub Division
Sheikhupura

Construction of Ornamental Gate & Gate Piller

1	Excavation in foundation of building, bridges and other structure, i/ c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil.	4x3-1/2x3-1/2x2-1/2	122.5	Cft			
			@	15,824.10	%o Cft		1938
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- 1:6:18	4x3-1/2x3-1/2x1/2	25	Cft			
			@	27520.2	% Cft		6742
3	Reinforcement of cement concrete in slab of rafts/ strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring from work (i. e horizontal shuttering) complete in all respect (1:2:4). i/c lead 137 Km						
	Base	4x3x3x0-9	27	Cff			
		4x3/4x3/4x15	34	"			
			61	"			
			@	738.05	P Cft		45021
4	Fabrication of mild steel reinforcement for cement concrete i/ c cutting, bending, laying, in position, making joints and fastening i/ c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars) deformed bars.						
		72x6.750x0.454	186.9	Kgs			
			@	35865.4	% Kgs		67045
5	Pacca brick other than building in cement sand mortar (1:4).	4x2(2-1/4+1-1/2)3/4x15	338	Cft			
			338	"			
			@	39338.4	% Sft		132964
6	P/L face work by using Gutka 9" x 2-1/4" x 2-1/4" of approved quality in cement surkhi mortar 1:3 I/c back filling of 1:3 cement sand mortar making Tradezodial Groove / set back of 1/4" depth during fresh masonry work laid with G.I wire 8-SWG, 8-shaped wall tiles, one side embeded in the masonry work and other side in Gutka at 12" center to center vertically and 36" center to center horizontally, raking out joints, curing, saffolding and its removal, complete.						
		4x2(2-3/4+2-1/4)x9	360	Sft			
			@	260.45	P Sft		93762
7	Providing and fixing ornamental Gate with , M.S sq pipe 2"x2" 14 SWG, M.S sq Pipe 1-1/2"x1-1/2" 14 SWG, M.S sq bar 3/4"x3/4"and M.S Sheet 14 SWG i/c Matellic painting complete in all respect approved by the Engineer Incharge						
		1x22x8	176	Sft			
		2x6x8	96	Sft			
		Total	272	Sft			
			@	5635	P Sft		1532690
				Total			1880163
				Add 3% Contingency			56405
				Total			1936567

SUB DIVISIONAL OFFICER
Buildings Sub Division Ferozewala

Earth Filling & Fiber Shed

S. No	Descriptions	Amount
1	Earth Filling	Rs. 3460803
2	Fiber Shed	Rs. 3471615
Total Rs.		6932418

Sub Divisional Officer,
Buildings Sub Division
Sheikhupura

Earth Filling & Fiber Shed

S. No	Descriptions	Amount
1	Earth Filling	Rs. 3460803
2	Fiber Shed	Rs. 3471615
Total Rs.		6932418

Sub Divisional Officer,
Buildings Sub Division
Sheikhupura

ROUGH COST ESTIMATE FOR CONSTRUCTION MULTISTORY 08 Nos COURTS FOR AD&SJS AND 16 Nos COURTS FOR CIVIL JUDGES AT HEADQUATER SHEIKHUPURA

1	Providing and laying fair face Gutka cladding laid in(1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge i. 2-1/4" x 2-1/4" x 9"							
	Courts	1(160.5+160.5+77+77)x27.5				13063	Sft	
							Sft	
	Total A					13063	Sft	
	Deduction Verandah Opening	2	22	8	6	2112	Sft	
	window	2	8	8	6	768	Sft	
	D/d Total B					2880	Sft	
	Net Total A-B					10183	Sft	
	Courts civil	1(131.75+131.75+84.75+84.75+20+20)x55.5				26252	Sft	
							Sft	
	Total A					26252	Sft	
	Deduction Verandah Opening	4	10	10	8	3200	Sft	
	ent	1	2	12	10	240	Sft	
	D/d Total B					3440	Sft	
	Net Total A-B					22812	Sft	
	Litigants Shed	1x2(61.5+31.5)x15-1/2				2883	Sft	
							Sft	
	Total					2883	Sft	
	Deduction	1x16x8.5x8.5				1156	Sft	
	D/d Total B					1156	Sft	
						1727		
	Net Total A-B		For 2 no	2	x	3454	Sft	

Sub Divisional Officer
Buildings Sub Division Sheikhupura

EARTH FILLING

Borrow pit excavation undressed lead up to 3-miles

S. No	Description	Nos	Length	Breadth	Depth	Qty	
1	Borrowpit excavation undressed lead upto 3-Mile						
		1	70720	3		212160	Sft
					Total A	212160	Sft
	D/D 10% shirinkage	1	212160	-	21216	190944	Cft
					@	17596.8	%0 Cft
							3360003
						Total	3360003
					Add 3% Contingency		100800
						Total	3460803

Sub Divisional Officer
Buildings Sub Division Sheikhpura

LEAD CHART 210-Km

2nd Bi Annual 2022.

1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor				
	1st Km				299.4
	2nd Km				145.25
	3rd Km				116.85
	4th Km				85.3
	5th Km				80.2
	6th Km				79
	7th Km				74.25
	8th Km				73.5
	9th Km				69.55
	10th Km				65.70
				Rs.	1089.00
	11th Kms to 200 Kms		57.25		
	146	x	57.25	Rs.	8358.50
	201th Kms to 210 Kms		3.25		
	10	x	3.25	Rs.	32.50
					9480.00
	Ratio 1:4:8	94.77			8984.12
	Ratio 1:2:4	88.00			8342.40
					83.42
	Ratio 1:1.5:3	84.00			7963.20
					79.63
	Crushed Stone	1.20			11376.00

Sub Divisional Officer,
Buildings Sub Division
Ferozewala

DETAIL OF OVER HEAD RESERVOIR 10000 GALLON CAPACITY.

For analysis purpose take quantity

10000 Gallons

Unit of rate.

Per Gallon

Based on MRS 2nd Bi-Annual Period 1st July 2019 to 31st Dec 2019.

S. No.	Description of iotems	No	Length	Breadth	Height	Contents	Amount
1	Excavation in foundation of building, bridges and other structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) b) in ordinary soil.						
	Toe wall.	2 x	19 x	2.5 x	2.5 =	238 Cft	
		2 x	16.5 x	2.5 x	2.5 =	206 Cft	
					Total:	444 Cft	
				@	10677.75	%oCft	4741
2	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) a) in ordinary soil or sand :- i) from 0' to 5'(0 to 1.5 metre) depth						
	O.H.R	3.14 x	20.5 x	20.5 x	5 =	6598 Cft	
				@	7547.95	%oCft	49801
	ii) from 5.1' to 10' (1.5 to 3.0 metre) depth						
	O.H.R	3.14 x	20.5 x	20.5 x	2 =	2639 Cft	
				@	7883.15	%oCft	20804
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (b) Ratio 1: 4: 8						
	Base	(3.14x20.5 x 20.5)					
			4	x	0.75 =	247 Cft	
				@	37971.02	%Cft	93788
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)						
		3.14 x	20.5x20.5x	1 /	4 =	330 Cft	
	Raft beam	3.14 x	11 x	1.5 x	1.5 =	78 Cft	
	Core Wall	3.14 x	11 x	0.5 x	8.5 =	147 Cft	
					Total:	555 Cft	
				@	541.17	P-Cft	300349
5	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- 1:2:4						
	Coloumns	4 x	1.5 x	1.5 x	45 =	405 Cft	
	Braces	16 x	6.83 x	1.5 x	1.5 =	246 Cft	
	Top beam	4 x	6.83 x	1 x	1.667 =	46 Cft	
	Landing	5 x	2.25 x	2.25 x	0.33 =	8 Cft	
	Intermediate slab	1 x	10 x	10 x	0.417 =	42 Cft	
	Tanki bottom slab.	3.14 x	41 x	0.625 x	-- =	80 Cft	
	Tanki bottom slab. 12.75x12.75/4	3.14 x	41 x	0.5 x	-- =	64 Cft	
	Hodi	2 x	2 x	1.5 x	0.208 =	1 Cft	
	Hodi	1 x	2 x	2 x	0.208 =	1 Cft	
	Hodi	1 x	1.5 x	1.5 x	0.208 =	0 Cft	
					Total:	893 Cft	
				@	639.92	P-Cft	571449

- 6 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)

Take 10lbs of item No.3 a,b	1448	x	9	x	0.454	x	--	=	5917	Kg
					@		31380		%Kgs	1856755

- 7 Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: ii) ½"(13 mm) thick

bottom beam.	4 x	8 x	0.5 x	--	=	16 Sft
	3.14 x	10 x	10 x	0.25	=	79 Sft
Walls	3.14 x	10 x	9 x	--	=	283 Sft
room	4 x	10 x	0.5 x	--	=	20 Sft
				Total:		398 Sft
			@	20.965.90	%Sft	83444

- 8 Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, rebitting, handling, assembling and fixing, including erection in position.

$$\frac{\text{angle iron } 2'' \times 2'' \times 1/4'' \text{ (ladder)}}{2} \times \frac{85}{1.4} \times \frac{170}{\text{Kgs/P.Rft}} = \text{Rft} \quad 238.00 \text{ Kgs}$$

angle iron 1.5" x 1.5" x 3/16" Frame	4 x	2.5 x	-- x	10 = Rft
	8 x	2.25 x	-- x	18 = Rft
		Total		28 = Rft

angle iron 1.25" x 1.25" x 3/16" cover	2	x	2.25	x	--	x	4.5	= Rft
	3	x	2.25	x	--	x	6.75	= Rft
	10	x	2	x	--	x	20	= Rft
						Total	31.25	= Rft

			0.5	Kgs/P.Rft	=	15.625 Kgs
Round Iron 5/8" dia	75	x	1.5	x	--	x
					112.5	= Rft
			0.47	Kgs/P.Rft	=	52.875 Kgs

Total: = 329 Kgs

14770.25 + 732.2 @ 32464.05 %Kgs 106807

- 9 Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:6

Toe wall.	1 x	71 x	0.75 x	4 =	<u>213 Cft</u>
				Total:	213 Cft
			@	31039.55	%Cft 66114

- 10 Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.

Take 2/3 of excavation.	9681	x	2	/	3	x	--	=	6454	Cft	
						@	5,090.45		%0	Cft	32854

- 11 Filling, watering and ramming earth
under floors:- ii) with new earth
excavated from outside, lead upto 3Miles

$$\frac{600 \times 5 \times 1}{18484.85} = \frac{3000 \text{ Cft}}{\% \text{Cft}} \quad 55455$$

12	Supplying and filling sand under floor; or plugging in wells.								
	Under Foundation (4x0.5)	3.14 x	20.5 x	20.5 /	2 =	660 Cft			
		1 x	71 x	1 x	0.33 =	23 Cft			
	Apron	1 x	71 x	4 x	0.33 =	94 Cft			
					Total: =	777 Cft			
				@	2943.3	%Cft		22869	
13	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.								
	Apron.	1 x	71 x	2 x	0.33 =	47 Cft			
		1 x	71 x	4 x	0.33 =	94 Cft			
					Total: =	141 Cft			
				@	9734.4	%Cft		13726	
14	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (c) 1½"(40 mm) thick								
		1 x	71 x	4 x	-- =	284 Sft			
		1 x	10 x	10 x	-- =	100 Sft			
					Total: =	384 Sft			
				@	7,012.90	%Sft		26930	
15	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels a) Size 1½" x 3/8" (40 x 10 mm)								
	Take 60% of item above.	384 x	60 /	100 x	-- =	230 Rft			
				@	19.8	P.Rft		4554	
16	Providing/fixing stair railing consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 ¾' high @ 5½" c/c fixed in steps on stair I/C painting 3 coats complete.								
		3.14 x	10 x	-- x	-- =	31 Rft			
				@	1061	P.Rft		32891	
18	Extra labour for laying concrete plain or reinforced (a) above 20' (6 m) upto 40'(12 m) height								
	Coloumns	4 x	1.5 x	1.5 x	20 =	180 Cft			
	Braces	8 x	6.83 x	1 x	1 =	55 Cft			
	Top beam	4 x	6.83 x	1 x	1.667 =	46 Cft			
	Landing	3 x	2.25 x	2.25 x	0.33 =	5 Cft			
	Tanki bottom slab. 12.75x12.75/4	3.14 x	41 x	0.58 x	-- =	75 Cft			
	Top slab 12 x 12/4	3.14 x	36 x	0.417 x	-- =	47 Cft			
	Core Wall	3.14 x	11 x	0.5 x	8.5 =	147 Cft			
					Total: =	555 Cft			
				@	4063.5	%Cft		22552	
19	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4								
	Core Wall	3.14 x	10.25 x	0.375 x	9 =	109 Cft			
		3.14 x	12.75 x	0.375 x	9 =	135 Cft			
					Total: =	244 Cft			
				@	34894.1	%Cft		85142	
20	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:6								
	O.H.R	4 x	7.75 x	0.75 x	9 =	209 Cft			
	Deduction								
	Cw	2 x	3 x	0.75 x	1.5 =	7 Cft			

	D.Opening	1 x	4 x	0.75 x	7 =	21 Cft		
	Lintles	2 x	4 x	0.75 x	0.5 =	3 Cft		
	D/L	1 x	5 x	0.75 x	0.5 =	2 Cft		
					Total: =	33 Cft		
					Balance	176 Cft		
				@	33223.35	%Cft		58473
21	Cement plaster 1:5 upto 20' (6.00 mm) height:- b) ½" (13 mm) thick							
	Toe Wall	1 x	71 x	1.5 x	-- =	107 Sft		
	Drain	2 x	3 x	1.25 x	-- =	8 Sft		
	Hodi	8 x	2.5 x	1.5 x	-- =	30 Sft		
	Hodi	8 x	4 x	1.25 x	-- =	40 Sft		
					Total: =	185 Sft		
				@	3096.9	%Sft		5729
22	Cement plaster 1:4 upto 20' (6.00 mm) height:- b) ½" (13 mm) thick							
	O.H.R Room	2 x	4 x	7.75 x	9 =	558 Sft		
	Reservoir	3.14 x	12 x	9.5 x	-- =	358 Sft		
					Total:	916 Sft		
				@	3245.95	%Sft		29733
23	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respect (excluding sliding bolt or lock) with:- i) M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)							
		1 x	4 x	7 x	-- =	28 Sft		
				@	2024.9	P-Sft		56697
24	Providing and fixing sliding bolt to doors:- ii) iron sliding bolt, 12" (300 mm) long	-- x	-- x	-- x	-- =	1 No		
				@	470	Each		470
25	Painting new surface:- c) Preparing surface and painting of doors and windows any type (including edges):- (Three coats)							
		1 x	2 x	4 x	7 x	56 Sft		
		1292 +	711.4 +	711.4 @	2714.8	%Sft		1520
26	Providing and fixing steel windows with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8" (40x25x16x3 mm), Box-section for leaves ¾"x1"x¾"x1/8" (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3 mm), glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labour, etc. as per approved design and as directed by the Engineer-in-charge:- b) fixed with wire gauze, 22 SWG iii) glass pane 3 mm thick i/c Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.							
		3 x	4 x	5.5 x	-- =	66 Sft		
					Total =	66 Sft		
				@	1605.9	P.Sft		105989

29 Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. ii) 500 gauge (.005" thick)

	Roof	1	x	8	x	8	x	--	=	64 Sft	
						@		1605.90		%Sft	1028
31	Plain galvanized iron sheet flashing, 22 gauge.	3	x	2.5	x	2.15	x	--	=	16 Sft	
						@		334.55		P.Sft	5353
32	White washing:- a) new surface:- iii) three coats	4	x	7.75	x	9	x	--	=	279 Sft	
						@		628.3		%Sft	1753
										Total:	3717770

Add 3% Contengency 111533

Net Total 3829303.1

Cost of Per Gallon	$\frac{3829000}{10000}$	382.9	Say Rs.	3829000
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Say Rs= 383

SUB ENGINEER

SUB DIVISIONAL OFFICER
Building Sub Division
Ferozewala

CONSTRUCTION OF OVER HEAD RESERVOIR 20000 GALLON CAPACITY

1 Excavation in foundation of building, bridges and other structure, i/ c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil.							
toe wall	2	24	1-1/2	2-1/2	180	Cft	
	2	22-1/2	1-1/2	2-1/2	169	"	
				Total	349	"	
				@	10677.75	%o Cft	3727
2 Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand :- i) from 0' to 5' (o to 1.5 m) depth							
	1	3.1428	14-1/2+14-1/2	8	5284	Cft	
				Total	5284	"	
				@	10179.05	%o Cft	53786
3 Cement concrete plain i/c placing, compacting ,finishing and curing complete including screening and washing of stone aggregate 1:4:8.							
	1	3.1428	14.5+14.5	1/3	218	Cft	
				Total	218	"	
				@	37971.02	% Cft	82777
4 Reinforcement of cement concrete in slab of rafts/ strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring from work (i. e horizontal shuttering) complete in all respect (1:2:4							
	1	3 1/7	14+14	$\frac{3/4+1-1/2}{2}$	693	Cft	
	6	8 3/8	1 1/2	1	75	"	
				Total	768	"	
				@	541.17	P Cft	415619
5 Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4)							
	6	8-3/8	10/12	1-1/4	52	Cft	
	1	8-3/8	10/12	1-1/4	52	"	
	1	3	3-1/2	0.42	4	"	
				Total	108	"	
				@	639.92	P Cft	69111
i ---do--- from 20' to 30' height.							
	1	8-3/8	10/12	1-1/4	52	"	
	1	3	3-1/2	0.42	4	"	
	1	8-3/8	10/12	1-1/4	52	"	
	1	3	3-1/2	0.42	4	"	
				Total	112	"	
				@	680.55	P Cft	76222

ii ---do--- from 30' to 40' height.

1	8-3/8	10/12	1-1/4	52	"
1	3	3-1/2	0.42	4	"
Total				56	"
@				721.18	P Cft

40386

iii ---do--- from 40' to 50' height.

1	8-3/8	10/12	1-1/4	52	"
1	3	3-1/2	0.42	4	"
Total				56	"
@				746.58	P Cft

41808

6 Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1:1-1/2:3) upto 20' heihgt

6	1-1/4	1	10	75	Cft
6	1-1/4	1	3-1/4	24	"
6	1-1/4	1	10	75	"
6	1-1/4	1	10	75	"
6	1-1/4	1	10	75	"
Total				324	"
@				691.93	P Cft

224185

i upto 20' to 40' height

6	1-1/4	1	10	75	"
Total				75	"
@				732.56	P Cft

54942

ii above 40' to 60' height

6	1-1/4	1	10	75	Cft
6	8-3/8	1-1/4	1	63	"
3.1415	12-3/4	12-3/4	4/8	447	"
3.1415	20-7/12	7/12	11-1/4	422	"
3.1415	10-5/8	10-5/8	5/12	149	"
Total				1156	"
Deducton	2	3.1415	5/12	3.14	-3
Net Total				1153	"
@				757.96	P Cft

873928

7 Fabrication of mild steel reinforcement for cement concrete i/ c cutting, bending, laying, in position, making joints and fastening i/ c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars) deformed bars.(Grade - 40)

			3/8" dia	1/2" dia	3/4" dia
1	45+45	<u>(11-1/2+10-1/2)</u>			990
		2			
1	2	84	—	168	—
1	2	80	—	160	—
1	2	75	—	150	—
1	2	70	—	140	—

1	2	60	—	120	—
1	2	50	—	100	—
1	2	30	—	60	—
1	2	25	—	50	—
1	100+16	7 1/3	740		—
1	4	50	—	—	200
1	3	50	—	—	150
6	2+4	5-1/2	—	—	198
1	2	50	—	—	100
1	2	17-1/4	—	—	35
1	4	17-1/4	—	—	69
1	4	17	—	—	68
1	4	16-5/8	—	—	66
1	4	16	—	—	64
1	4	15-1/2	—	—	62
1	4	15	—	—	60
1	4	14-1/2	—	—	58
1	4	13-1/2	—	—	54
1	4	12-1/4	—	—	49
1	6	11-1/2	—	—	46
1	4	10-1/2	—	—	42
1	4	8	—	—	32
6	6	13-1/2	—	—	486
6	16	3-3/4	360	—	—
6	3	8-3/8	—	—	151
6	3	8-3/8	—	—	151
6	2+2	2-3/4	—	—	66
6	14	3-1/2	294	—	66
6	6	13	—	—	468
6	16	3-3/4	—	360	—
6	3	8-3/8	—	—	151
6	3	8-3/8	—	—	151
6	2+2	2-3/4	—	—	66
6	2+2	2-3/4	—	—	66
6	14	3-1/2	294	—	—
6	3	8-3/8	—	—	151
6	3	8-3/8	—	—	151
6	2+2	2-3/4	—	—	66
6	2+2	2-3/4	—	—	66
6	14	3-1/2	294	—	—
6	3	8-3/8	—	—	151
6	3	8-3/8	—	—	151
6	2+2	2-3/4	—	—	66
6	2+2	2-3/4	—	—	66
6	3	8-3/8	—	—	151
6	3	8-3/8	—	—	151
6	2+2	2-3/4	—	—	66

6	2+2	2-3/4	—	—	66
6	6	13	—	—	468
6	16	3-3/4	360	—	
4	3	66	—	—	792
4	3	66	—	—	792
2	12	6	—	—	144
2	12	6	—	—	144
3	2	66	—	—	396
120	5-1/2		660	—	—
2+2	18		—	—	72
2+2	17-1/2		—	—	70
2+2	17-1/3		—	—	69
2+2	17		—	—	68
2+2	16-11/12		—	—	68
2+2	16-7/12		—	—	66
2+2	16-1/2		—	—	66
2+2	16		—	—	64
2+2	15-11/12		—	—	63
2+2	71		—	—	58
2+2	14		—	—	56
2+2	13-1/2		—	—	54
2+2	13		—	—	52
2+2	12-7/8		—	—	52
2+2	12-1/2		—	—	50
2+2	11-1/2		—	—	46
2+2	11		—	—	44
2+2	9-3/4		—	—	39
2+2	8-1/2		—	—	33
55	8-1/2		—	—	468
55	7-1/2		—	—	413
1	84		—	84	—
1	79		—	79	—
1	74		—	74	—
1	69		—	69	—
1	54		—	54	—
1	49		—	49	—
1	44		—	44	—
1	39		—	39	—
90	5-1/2		—	495	—
3	89		—	267	—
75	18		—	1350	—
75	18-1/2		—	1388	—
75	13-1/2		—	1013	—
35	84		—	2940	—
35	84		—	2940	—
20+20	9-1/2		—	380	—
2+2	18		—	72	—

	2+2	17-1/2		-	70	-	
	2+2	17-1/3		-	69	-	
	2+2	17		-	68	-	
	2+2	16-11/12		-	68	-	
	2+2	16-7/12		-	6666	-	
	2+2	16-1/2		-	64	-	
	2+2	16		-	63	-	
	2+2	15-11/12		-	58	-	
	2+2	14-1/2		-	56	-	
	2+2	14		-	54	-	
	2+2	13-1/2		-	54	-	
	2+2	13		-	52	-	
	2+2	127/8		-	52	-	
	2+2	12-1/2		-	46	-	
	2+2	11-1/2		-	44	-	
	2+2	11		-	39	-	
	2+2	9-1/3		-	33	-	
			Total		3002	20201	10174
3/8"		3002	0.375	0.454	511		
1/2"		20201	0.667	0.454	6117		
3/4"		10174	1.500	0.454	6928		
				Total	13556	Kgs	
				@	31380	% Kgs	4253873

8 Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, without rubbing and polishing, complete with finishing: using gray cement: ½” thick (13 m)

	3.1415	10	10		314	Sft	
	3.1415	20	11-1/4		707	"	
				Total	1021	"	
				@	20965.9	% Sft	214062

9 Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position (angle iron 2"x2"x1/4" Ladder)

2x2x1/4"	2	115+15			260	Rft	
			260x3.19x0.454		377	Kgs	
1-1/2x1-1/2x3/16"							
	4	2-1/2			10	Rft	
	8	2-1/4			18	"	
				Total	28	"	
			28x0.813		23	Kgs	
1-1/4x1-1/4x3/16"	2	2-1/2			5		
	3	2-1/4			7		
	10	2			20		
					32	Rft	
			32x1.79x0.454		26	Kgs	

round iron	16	8	2-1/2		320	Rft		
			320x1.50x0.454		218	Kgs		
	115	1-1/2			173	Rft		
			173x1.40x0.454		82	Kgs		
				Net Total	726	Kgs		
				@	32464.05	% Kgs		235689
10 Dry rammed brick ballast 1-1/2" to 2" guage								
	2	24	1-1/2	1/2	36	Cft		
	2	24-1/4	1-1/2	1/2	36	"		
	3.1415	14-1/2	14-1/2	1/3	218	"		
				Total	290	"		
				@	9353.5	% Cft		27125
11 Pacca brick work 1:6 in foindation plinth for plinth								
	2	24	1-1/8	1/4	14	Cft		
	2	24	3/4	5	180	"		
	2	22-1/2	1-1/8	1/4	13	"		
	2	22-1/2	3/4	5	169	"		
				Total	376	"		
				@	31039.55	% Cft		116709
12 Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc.								
Qty as per item No.1			349	x 2/3	233	Cft		
Qty as per item No.2			5284	x 2/3	3523	Cft		
				Total	3755	"		
				@	5090.45	%0 Cft		19116
13 Filling water ramming earth under floor lead upto 3-0 mile								
14 S/F sand under floor or plugging in well.								
	1	3 1/7	14-1/2+14-1/2	1/2	330	Cft		
	3.1415	14-1/2	14-1/2	1/3	218	"		
				Total	548	"		
				@	2943.3	% Cft		16129
15 Providing/fixing stair railing consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 3/4' high @ 5 1/2" c/c fixed in steps of stair I/C painting 3 coats complete.								
	2	28			56	Rft		
				Total	56	"		
				@	1061	P Rft		59416
16 P/L cutting, jointing, testing and disinfecting G.I pipe line in trenches with socket joints using G.I pipes of BSS 1387-1967 complete in all respect with special and valves (medium quality). 4" dia								
	4	50			200	Rft		
	7	8			56	"		
connection	1	100+96			196	"		
				Total	452	"		
				@	1564.95	P Rft		707357
17 ---do--- 2" dia								

	24	10		240	Rft		
				Total	240	"	
				@	660	P Rft	158400
18	Water level indication guage meter rod or plumb bob compete with erection complete in all respect						
	1			1	No		
				@	28000	Each	28000
19	S/E of 2"x2"x1/8" copper plate including revitting to coppber tape and placing in mixture of salt and chared etc						
				1	No		
				@	25000	Each	25000
20	S/E of copper tape i/c copper staple copper nail cement sand etc (1-1/2"x1/8")						
	1	100	100	200	Rft		
				@	45	Each	9000
21	S/E of 25mm 1" dia one meter long lighting conductor copper rod with 5 spikes on ball and base etc complete.						
	1			1	No		
				@	4274	Each	4274
22	Supply and fitting of cast iron manhole cover with frame etc: complete 60 cm (24") dia						
	2			2	Nos		
				@	15103.4	Each	30207
23	Providing and fixing sluice valve of B.S.S quality and weight, for Asbestors coment pipe line, with comet joint and rubber ring, complete i/c cost of jointing materials. 4" dia						
				4	Nos		
				Total	4	Nos	
				@	18331.5	Each	73326
24	Providing and applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect 2-coats.						
	3.1415	21-1/2	12	811	Sft		
	1	67-1/2	2	135	"		
	6	4-1/2	50	1350	"		
	30	8-1/3	4-1/4	1050	"		
				Total	3346	"	
				@	5245.3	% Sft	175508
25	Providing and laying conglomerate flooring (two coat work) with top layer of 1/2"thick wearing surface, consisting of fone part of cement and 2 parts of stone chips passing 3/16" sieve, over bottom layer of cement cocrrete 1:3:6, including surface finishing and dividing in panels i/c rubbing floor, repairing voids uneven surface, complete in all respect 2" thick.						
	3.145	14-1/2	14-1/2	660	Sft		
				Total	660	"	
				@	9614.8	% Sft	63458

26 Providing and fixing marble strip of any shade for dividing the mosaic flooring into pannels size 1-1/2"x3/8" (40x10 mm)

2	8+8	(14-1/2+11-1/2+5-1/2)/3	336	Rft	
Total			336	"	
@			19.8	P Rft	6653

27 Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- 1:6:18

1x3.1428	14 1/2	14 1/2	3/4	495	Cft
Total			495	"	
@			20098.45	% Cft	99487

Total	8259280
Add 3% Contingency	247778.4
Total	8507058.4

8259280 / 20000 425.35

Say Rs. 425/- P Gln

Sub Engineer

Sub Divisional Officer (Buildings)
Sub Division Ferozewala

Analysis for Providing and fixing ornamental Gate with , M.S sq pipe 2"x2" 14 SWG, M.S sq Pipe 1-1/2"x1-1/2" 14 SWG, M.S sq bar 3/4"x3/4"and M.S Sheet 14 SWG i/c Matellic painting complete in all respect approved by the Engineer Incharge

Take analysis for =

1x18.50'x8'-0" = 148 Sft
1X6'X2'-7-1/2" = 15.75
2x4'x7'-0" = 56

1 Making and Fixing ornamental steel gate.

A Material

i 2"x2" M.S Sq Pipe 14 SWG

Main Gate					
Horizontal top & bottom	2x3	6	9.00	54	Rft
	2x1	2	5.00	10	Rft
top curve	2x1	2	3.25	7	Rft
vertical	2x3	6	8.00	48	Rft
	2x1	2	10.63	21	Rft
wicket gate horizontal	2x4	8	3.75	30	Rft
vertical	2x2	4	7.00	28	Rft
	2x2	4	5.00	20	Rft
Total				218	Rft
Add 5% wastage				11	Rft
Total				229	Rft
@	0.975	Kg/Ft	223	Kg	
	@		420	P Kg	93627

ii 1-1/2"x1-1/2" M.S Sq Pipe 14 SWG

Main Gate					
bottom	2x1	2	9.00	18	Rft
sides	2x1	2	8.00	16	Rft
	2x1	2	10.625	21	Rft
top	2x1	2	7.50	15	Rft
	2x1	2	4.25	9	Rft
wicket gate horizontal	2x2	4	3.75	15	Rft
vertical	2x2	4	7.00	28	Rft
Total				122	Rft
Add 5% wastage				6	Rft
Total				128	Rft
@	0.625	Kg/Ft	80	Kg	
	@		420	P Kg	33557

iii M.S Sq bar 3/4"x3/4"

Main Gate					
Horizontal bar	2x2	4	6.00	24	Rft
	2x1	2	4.00	8	Rft
vertical	2x7	14	7.500	105	Rft
	2x2	4	7.00	28	Rft
top curve	2x1	2	2.75	6	Rft
	2x1	2	2.50	5	Rft
	2x1	2	1.00	2	Rft
top curve vertical	2x1	2	1.50	3	Rft
	2x1	2	1.25	3	Rft
sq box	8x4	32	1.00	32	Rft
wicket gate vertical	4x2	8	5.00	40	Rft
Total				255	Rft
Add 5% wastage				13	Rft
Total				268	Rft
@	0.871	Kg/Ft	233	Kg	
	@		420	P Kg	97948

iv M.S iron Jali 14 Swg

Main gate	2	5.5	2.00	22	Sft
-----------	---	-----	------	----	-----

wicket gate	4	5	1.00	20	Sft	
	4	2	1.00	8	Sft	
				Total	50	Sft
Add 5% wastage				3	Sft	
				Total	53	Sft
@ 1.44				Kg/Sft	76	Kg
				@	360.00	P Kg
						27216
v M.S Sheet 14 SWG						
Main gate	2	9	8.00	144	Sft	
	2	3	2.63	16	Sft	
wicket gate	2	3.75	7.00	53	Sft	
				Total	212	Sft
Add 5% wastage				11	Sft	
				Total	223	Sft
@ 1.44				Kg/Sft	321	Kg
				@	390.00	P Kg
						125160
vi Brass Monogram / logo of Main gate						
Main gate	1			1	Nos	
				Total	1	Nos
				@	45500	Each
						45500
vii Brass Monogram / logo of wicket gate						
wicket gate	2			2	Nos	
				Total	2	Nos
				@	30000	Each
						60000
viii M.S flat Patti 3"x3/8"						
for foot roller	2x1	2	13.00	26	Rft	
	2x1	2	10.00	20	Rft	
				Total	46	Rft
Add 5% wastage				2	Rft	
				Total	48	Rft
@ 1.73				Kg/Ft	84	Kg
				@	420	Kg/Ft
						35095
ix M.S foot roller						
	4			4	Nos	
				Total	4	Nos
				@	8000	Each
						32000
x Locking arrangement sliding bolt 3'-0" long						
Main gate	1			1	Nos	
				Total	1	Nos
				@	9800	Each
						9800
xi Locking arrangement sliding bolt 1'-6" long						
wicket gate	2			2	Nos	
				Total	2	Nos
				@	9000	Each
						18000
xii Welding rod						
				600	Nos	
				Total	600	Nos
				@	240	Each
						144000
xiii Carriage						
lahore to Sheikhupura				1	Nos	
				Total	1	Nos
				@	80000	Each
						80000
xiv Preparation surface and Matellic Paints of iron gate						
Main gate	4	9	8	288	Sft	
	4	3	2.625	32	Sft	
wicket gate	4	3.75	7	105	Sft	
				Total	425	Sft
				@	280	P Sft
						118860

						Total	920763
					Add 20% contractor Profit + 10% over head charges		276229
						Total A	1196992
B Labour							
i	Black smith	5	Nos	@	1800 P.Day		9000
ii	Welder	5	Nos	@	1800 P.Day		9000
iii	Helper	5	Nos	@	1450 P.Day		7250
	Fixing at site						
i	Mason	2	Nos	@	1800 P.Day		3600
ii	un Skilled Cooly	2	Nos	@	1450 P.Day		2900
						Total	31750
					Add 10% Sundries + 20% contractor Profit charges		9525
						Total B	41275
						Total (A+B)	1238267
					Rate for P Sft		5635
					Say Rs.		5635

Sub Divisional Officer
Buildings Sub Division
Ferozewala

ROUGH COST ESTIMATE FOR CONSTRUCTION MULTISTORY 08 Nos COURTS FOR AD&SJS AND 16 Nos COURTS FOR CIVIL JUDGES AT HEADQUATER SHEIKHUPURA

(CONSTRUCTION OF WATCH WALL POST)

S.No	Description	Nos	Length	Breadth	Depth	Qty	Amount
1	Excavation in foundation for buildings bridges and other structure, i/c dag-belling dressing refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5ft in ordinary soil.						
		4	4.5	4.5	4	324 Cft	
					Total A	324 Cft	
	Toe wall	1	9.5	1.5	1.5	21 Cft	
		1	10.25	1.5	1.5	23 Cft	
					Total	44 Cft	
					Total A+B	368 Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:4:8 (use Chenab Sand)						
		4	4.5	4.5	0.33	27 Cft	
					Total	27 Cft	
3	RCC in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in ration (1:2:4) with out shuttering etc (use Chenab Sand)						
	footing	4	4	4	(0.75+1)/2	56 Cft	
					Total	56 Cft	
4	Reinforcement of cement concrete in roof slab, beams, coloumns and other structural members other than these mentioned in above requiring from work (i. e horizontal shuttering) complete in all respect (1:2:4).(use Chenab Sand)						
	column upto 1st brace	4	1	1	10	40 Cft	
	1st brace beam	4	6	1	0.75	18 Cft	
	column	4	1	1	8.5	34 Cft	
	2nd brace beam	4	6	1	1	24 Cft	
	1st slab	1	6	6	0.5	18 Cft	
	Pardi	4	6	0.75	7	126 Cft	
	column	4	1	1	6.5	26 Cft	
	conopy slab	8	(5.50x6.50)/2		0.42	60 Cft	
	Beam	2	8	1	1.5	24 Cft	
		2	6	1	1.5	18 Cft	
	beam top	2	11	1	(0+0.42)/2	55 Cft	
		2	6	1	(0+0.42)/2	30 Cft	
					Total	473 Cft	
	Deduction						
	Door	1	3	0.75	7	16 Cft	
	C.W	3	3	0.75	3	20 Cft	
	slab	2	6	0.75	0.21	2 Cft	
		2	4.5	0.75	0.21	1 Cft	
					D/d Total	39 Cft	
					Net Total	434 Cft	
5	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars 40 grade.						
	as per item qty no.3	56	6.75	0.454		172 Kg	
	as per item qty no.4	434	6.75	0.454		1329 Kg	
					Total	1501 Kg	
6	Providing and laying high density single profile spanish glazed tapered barrel type of 4"- 5-1/2" dia Terra Cotta Khaprail Tile dipped or sealed with awater repellent, with TerraCottabase plate (10"x16"), resistant to salt attack laid with laps and duly interlocked on slopping roof over 1/2" thick (1:3) cement sand mortar i/ccost of all material and labour complete in all respect as approved and directed by the Engineer Incharge						
	29x8	8	(5.50x6.50)/2			143 Sft	
					Total	143 Sft	

S.No	Description	Nos	Length	Breadth	Depth	Qty	Amount
7	P/L 1-1/2" thick mosaic flooring consisting of 1/2" mosaic topping of one part of cement and marble powder in the ratio (3:1) and two part of marble chips laid over 1" thick floor of 1:2:4 cement concrete i/c rubbing and polishing complete with finishing (using grey cement).						
		1	6	6		36 Sft	
					Total	36 Sft	
8	Cement plaster 1:4 upto 20' (6.00 mm) height 1/2" (13 mm) thick.						
	outer side	4	8	9		288 Sft	
	inner side	4	6	8.5		204 Sft	
					Total	492 Sft	
9	Filling, watering, ramming earth under floor with new earth excavated from out side lead upto 1-miles.						
		1	9.5	9.5	8	722 Cft	
	D/d surplus earth					-246 Cft	
					Total	476 Cft	
10	Providing, laying, watering and ramming brick ballast 1 1/2" to 2" (40 mm to 50 mm) gauge, complete in all respects.						
	Toe wall	1	9.5	1.5	0.33	5 Cft	
		1	10.25	1.5	0.33	5 Cft	
		1	9	10	0.33	30 Cft	
	1st slab floor	29	6	6	0.33	345 Cft	
					Total	384 Cft	
11	P/L P.C.C 1-1/2" thick topping of 1:2:4 cement concrete						
		29	10.25	10.25		3047 Sft	
					Total	3047 Sft	
					@	3930.70 % Sft	119761
12	Cement plaster 3/8" (10 mm) thick 1:3 cement sand mortar under soffit of R.C.C. roof slabs only, upto 20' height.						
	29x2x8	16	(3x1.50)/2			36 Sft	
		2	11	1.92		42 Sft	
		2	6	1.92		23 Sft	
					Total	101 Sft	
13	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.						
A	Steel angle iron 1-1/2"x1-1/2"x1/4"						
		1x2	15			30 Rft	
		1x18	3			54 Rft	
					Total	84 Rft	
						84x2.34x0.454	89 Kg
14	Providing/fixing stair railing consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 3/4" high @ 5 1/2" c/c fixed in steps of stair I/C painting 3 coats complete.						
		1x2	13			26 Rft	
					Total	26 Rft	
15	Pacca brick work in (1:6) cement sand in foundation & plinth.						
	Toe wall	1	9.5	1.125	0.25	3 Cft	
		1	9.5	0.75	8	57 Cft	
		1	10.25	1.125	0.25	3 Cft	
		1	10.25	0.75	8	62 Cft	
					Total	124 Cft	
16	Filling, watering and raming earth surplus earth from foundation						
		368	x	0.667		246 Cft	
					Total	246 Cft	
17	Supplying and filling sand under floor; or plugging in wells						
		1	9.5	9.5	0.33	30 Cft	
					Total	30 Cft	
18	P/L marble strip 1-1/2x3/8" thick for dividing the floor into pannels.						
		6	9.5			57 Rft	
		4	5			20 Rft	
					Total	77 Rft	

S.No	Description	Nos	Length	Breadth	Depth	Qty	Amount
19	Filling, watering and raming borrowpit excavater from out side lead upto 3-mile						
	observarion post side	2	10.5	5	4	420 Cft	
					Total	420 Cft	
					D/d 10% Shrinkage	42 Cft	
					Net Total	378 Cft	

Sub Divisional Officer
Buildings Sub Division Ferozewala

ROUGH COST ESTIMATE FOR CONSTRUCTION MULTISTORY 08 Nos COURTS FOR AD&SJS AND 16 Nos COURTS FOR CIVIL JUDGES AT HEADQUATER SHEIKHUPURA

SECURITY POST / WATCH WALL POST 9-NOS

Sr. No	Description	As Per Estimate			Remarks
		Qty	Rate	Amount	
1	2	3	4	5	6
	1st BI Annual 2022 (1st january 2022 to 30st June 2022)				
1	Excavation in foundation of buildings, bridges, and other Structure i/c dag belling, refilling, around structure with excavated earth watering & ramming lead up to one chain & lift upto 5 feet (in ordinary soil).	1000	368	15824.15	5830
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:4:8 i/c	100	27	37631.90	10059
3	RCC in Raft/strip foundation laid in situ or pre cast laid in position pre streded members cost in situ complete in all respect Type 'C' Nominal mix: 1:2:4.	1	56	738.05	41331
4	RCC in roof slab, beams, column, lintels girder & other structural member laid in situ / precast laid in position in prestressed member complete type 'C' nominal mix (1:2:4).	1	434	769.30	333640
5	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars), deformed bar.	100	1501	35864.50	538205
6	Providing and laying high density single profile spanish glazed tapered barrel type of 4"- 5 1/2" dia Terra Cotta Khaprail Tile dipped or sealed with awater repellent, with TerraCottabase plate (10"x16"), resistant to salt attack laid with laps and duly interlocked on slopping roof over 1/2" thick (1:3) cement sand mortar i/ccost of all material and labour complete in all respect as approved and directed by the Engineer Incharge	1	143	175.65	25118

Sr. No	Description		As Per Estimate			Remarks
			Qty	Rate	Amount	
1	2		3	4	5	6
7	P/L, of 1-1/2"thick mosaic flooring consisting of 1/2"thick Mosaic topping of one part of cement and marble powder in the ratio of (3:1) and Two part of marble chips laid over 1"thick floor (1:2:4) cement concrete i/c rubbing polishing complete with using grey cement	100	36	29707.20	10695	
8	1/2"thick cement sand plaster (1:4) upto 20' height.	100	492	4627.20	22766	

Sr. No	Description		As Per Estimate			Remarks
			Qty	Rate	Amount	
1	2		3	4	5	6
9	Filling, watering and raming new earth from out side lead upto 3- mile	1000	476	23475.60	11180	
10	P/L Dry rammed brick or stone ballast 1-1/2" to 2" gauge.	100	384	12639.00	48533	
11	P/L P.C.C 1-1/2" thick topping of 1:2:4 cement concrete	100	3931	49943.40	1963125	
12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. (1:2).	100	101	5278.00	5346	
13	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.	100	89	39173.15	34864	
14	Providing/fixing stair railing consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 3/4' high @ 5 1/2" c/c fixed in steps of stair I/C painting 3 coats complete.	1	26	1165.65	30307	
15	Pacca brick work in cement sand mortar (1:6) in F & P	100	124	35797.40	44408	
16	Filling, watering, ramming earth under floor with surplus earth from foundation.	1000	246	7547.75	1855	
17	Supplying filling sand under floor or plugging in well.	100	30	4107.00	1223	
18	P/F marble strips 1-1/2"x3/8" wide strip of any shade for dividing into mosaic floor into panel.	1	77	39.40	3034	
19	Filling, watering and raming borrowpit excavater from out side lead upto 3- mile	1000	378	23475.60	8874	

Sr. No	Description		As Per Estimate			Remarks
			Qty	Rate	Amount	
1	2		3	4	5	6
					3140393	

For 1-Nos Post 3140393

Add 3% Contingency 94212

Total 3234604

Sub Divisional Officer
Buildings Sub Division Sheikhpura

PARKING SHED

S. No	Description	Nos	Length	Breadth	Depth	Qty	
1	Supply and Erection of 10 ft high Cantiliver type Car Parking Shed consisting of 3 mm thick fiber glass sheet roof fixed / riveted with moulded curved frame comprising of 1-1/2"x1-1/2" 16-SWG MS box placed @ 2 ft C/C both sides and 1-1/2"x3" M.S box 16-SWG at front and back side welded on cantiliver arch type MS pipe 3" dia arms welded with 3/8" thick and 8 " dia Main Post duly welded with 1/2" thick 1.5'x1.5' base plate and 4 no stiffeners of 1/2" thick MS sheet embedded in PCC 2'x2'x3' with 18" long nut bolts 1"dia i/c cost of foundation,cutting straightening assembling, bending as per drawing, welding / grinding of joints and painting three coats complete in all respect as approved by the Engineer Incharge. i) One side Cantileve						
	Parking	1	90	30		2700	Sft
	Parking	1	40	20		800	Sft
	Total					3500	Sft
						@	963 P Sft 3370500
							Total 3370500
						Add 3% Contingency	101115
							Total 3471615

Sub Divisional Officer
Buildings Sub Division Sheikhpura

(TUBEWELL BORING)

S.No	Description	Nos	Length	Breadth	Depth	Qty
1	Director rotary/reverse rotating drilling bore for tube well in all type of soil except shingle gravel and rock					
a)	From o' to 250' below ground level 15" to 18" dia	1	x	250		250 Rft
b)	Exceeding 250' to depth below ground level 15" to 18" dia	1	x	450		450 Rft
2	Providing & installation M.S ball plug in tube well bore hole 6" dia	1	x	1		1 No
3	P/I Brass strainer in tube well hole i/c socket special socket studs etc complete 6" dia 3/16" thick	1	x	150		150 Rft
4	Providing strong substantially built box of deodar wood 4'x2-1/2'x9" with compartments lock and locking arrangement complete	1	x	1		1 No
5	Furnishing sample of water from bore hole.	1	x	3		3 Set
6	Testing and developing of tube well size 6" dia 72 Hours and above continuously upto 1.5 discharge.	1	x	72		72 Hrs
7	Shrouding with graded pea gravel 3/8" to 1/8" around tube well in bore hole.					
		3.14	2.25	700	0.25	1236 Cft
					Total	1236 Cft
	Deduction					
	6" dia pipe	3.14	0.25	580	0.25	114 Cft
	12" dia pipe	3.14	1	120	0.25	94 Cft
					Total	208 Cft
	Net total (1236 - 208)					1028 Cft
8	Providing and installing M.S. blind pipe socketed/welded Chap joint, M.S. reducer (where necessary), in tubewell bore 2 hole, including jointing / welding with strainer, etc complete:-6" i/d, 3/16" (150 mm i/d 5 mm) thick	1	x	450		450 Rft
9	Providing and installing M.S. blind pipe socketed/welded Chap joint, M.S. reducer (where necessary), in tubewell bore 2 hole, including jointing / welding with strainer, etc complete:-12" i/d, 1/4" (300 mm i/d 6 mm) thick	1	x	180		180 Rft
10	P/F vertical shaft turbine pump DWT 1 cusec (KSB) Best Quality made with 200 ft head, column setting complete in working order as approved & directed by the Engineer Incharge.					
		1	x	1		1 No
11	P/F Cost of Chian Pully 2.5 ton capacity approved quality by the engineer Incharge.	1	x	1		1 No
12	P/F M.S steel girder size 5"x9" best quality as approved by the Engineer Incharge.	1	x	14		14 Rft

SUB Engineer
Buildings Sub Division
Sheikhupura

SUB DIVISIONAL OFFICER
Buildings Sub Division
Sheikhupura

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203

Grant Number:Government Buildings - (PC12042)

LO NO:LO24004418

A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2027-2028		2028-2029		2029-2030		2030-2031		2031-2032	
		Local	Foreig	Local	Foreig	Local	Foreig	Local	Foreig	Local	Foreig
1	A12401-Office Buildings	20.556	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		20.556	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

9. Demand and Supply Analysis:

The sanctioned strength of the Judicial Officers at Sheikhpura is 40 which comprises 12-No. D&SJ, /AD&SJJ, 03-Nos. SCJ and 25-Nos. 10 CJJ. Total Courts 21-Nos. proper Courts are available (10-No. D&SJ /AD&SJJ, 01-No. SCJ and 10-Nos. CJJ) Therefore, an estimate has been prepared by the Buildings Department whereby additional Courts (8-Nos. for AD&SJ & 16-Nos. for CJ) alongwith allied facilities are to be constructed.

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION:

10.2 FINANCIAL PLAN DEBT INFORMATION:

10.3 FINANCIAL PLAN GRANT INFORMATION:

Grant No. PC12042 Government Buildings 04-Economic Affairs 045-Construction & Transport, 0457-Construction (Works) 045702 Buildings and Structures A12-Civil Works A124-Buildings & Structures

10.4 WEIGHT COST OF CAPITAL INFORMATION:

11. PROJECT BENIFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION:

The project will resolve problems of the Judicial Officers, lawyers and litigants who face great difficulties due to unavailability of proper courts in connection with dispensation of justice to people of the area.

11.2 ENVIROMENTAL IMPACT ANALYSIS:

No adverse impact on environment.

11.3 ECONOMIC ANALYSIS:

The cost of the project would increase due to increase in cost of raw materials involved in the construction of the project.

11.4 FINANCIAL ANALYSIS:

The cost of the project would increase due to increase in cost of raw materials involved in the construction of the project.

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART:

The work will be completed within three-years till June 2027 after commencement of work subject to the release of full funds at the spending level

Construction of Multi-Story 08-Nos. Courts for AD&SJs and 16-Nos. Courts for Civil Judges at District Headquarter Sheikhpura

G.Sr. No.2758 for the year 2024-25

Year Wise Financial Phasing (DEC 2024 to JUN 2027)

Sr. No.	Activities and Tasks	2024-25				2025-26				2026-27			
		50.000-Million				500.000 -Million				477.810 -Million			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
1				X									
2													
3													
4													
5													
6													
7													
8													
9													
10													
	Note: Implementation plan will be developed on yearly basis.												

12.2 RESULT BASED MONITORING (RBM) INDICATORS:

The project will resolve problems of the Judicial Officers, lawyers and litigants who face great difficulties in dispensation of justice to people of the area and provide better working condition.

12.3 IMPLEMENTATION PLAN:

Implementation plan attached

Construction of Multi-Story 08-Nos. Courts for AD&SJs and 16-Nos. Courts for Civil Judges at District Headquarter Sheikhpura

G.Sr. No.2758 for the year 2024-25

Year Wise Physical Phasing (DEC 2024 to JUN 2027)

Sr. No.	Activities and Tasks	Responsibility	2024-25				2025-26				2026-27			
			Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
1	Preparation and submission of PC-I	Buildings Department		X										
2	Approval of PC-I from PDWP	P&DD		X										
3	Tendering and Award of Work	C&W Department			X									
4														
5														
6														
7														
8														
9														
10														
	Note: Implementation plan will be developed on yearly basis.													

12.4 M&E PLAN:

M&E Plan attached

MONITORING & EVALUATION (M&E) PLAN
CONSTRUCTION OF MULTI-STORY 08-NOS. COURTS FOR AD&SJS AND
16-NOS. COURTS FOR CIVIL JUDGES AT DISTRICT HEADQUARTER
SHEIKHUPURA

In order to improve the performance and achieve results, the main objective of monitoring and evaluation of this project is:

- Monitoring and evaluation of progress of civil works till completion stage.

Monitoring is important in updating plans in response to changes in circumstances. Systematic monitoring (and also evaluation) is the basis for efficient and sound reporting and may also be an important way to improve communication and achieving objectives in timely manner. Evaluation is especially important when public funds are involved as it is important to prove (account for) the efficient use of the funds provided.

Program Monitoring

Monitoring will be done on a regular basis and will involve the following tasks: -

- Indicators of the progress/ project work
- Analysis of the information obtained
- Use of this information to assist project managers
- Communication of results

A Committee will be established to monitor this project and will be responsible to remove the bottle necks if any. The committee should ensure the quality of the civil works. The committee will supervise and review the progress of the project on monthly basis till its completion and report will be submitted to the Lahore High Court, Lahore frequently.

After completion of development project, completion report as per PC-IV format will be submitted by the XEN Buildings Department, Sheikhpura.

12.5 RISK MITIGATION PLAN:

Risk Mitigation plan attached

RISK MATRIX

Risk framework of the Project “Construction of Multi-Story 08-Nos. Courts for AD&SJs and 16-Nos. Courts for Civil Judges at District Headquarter Sheikhupura”.

Serial #	Risk Categories	Risk Mitigation
1.	Inflation Rates Risk The impact of the inflation may increase the cost and there is risk that inflation rate may not be same as expected or incorporated in the PC-1.	As this is three years plan so maximum risk of increase in cost due to inflation. However, the plinth area rates will be notified by the Chief Engineer Building Department Lahore for the period of every 6 month in a year. The cost of PC-I will be revised accordingly.
2.	Completion Risk or Non-Availability Risk Risk that the project will not be completed on the planned time schedule.	Quarterly meeting with all the stake holders will be held to meet the timelines and co-ordination of the department to develop the project in time.

12.6 PROCUREMENT PLAN:

Only capital components involves in this project.

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

Executing Department would arrange management structure, man power, etc.

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

undefined

Scheme ID	Scheme Name
	Construction of Multi-Story 08-Nos. Courts for AD&SJs and 16-Nos. Courts for Civil Judges at District Headquarter Sheikhupura

15. CERTIFICATE

Focal Person Name:Khurram Shehzad

Designation:XEN

Email:

Tel. No.:0300 7841081

Fax No:

Address:XEN Buildings Division, Sheikhupura

Sr. No	Item of Work	As Per Plinth Area Rate 2nd Bi-Annual-2024 (01.07.2024 to 31.12.2024) District Sheikhupura										REMARKS
		QTY	UNIT	B.P	E.I	P.H	Sui Gas	Total Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11		

Total

861918824 047613825

Add 15% External Development on Rs,

598265059

598265059

598265059

Total

997919160

959823025

Add 5% P.S.T

49885958

47991151

Add 0.5% Plantation Charges

4989596

Add Wapd Connection Charges

15000000

Add Sui Gas Connection Charges

5000000

Net Total

1027804713

1027814176

TECHNICAL VETTED

For Rs. 1027.810 (M) (Million)

Rupees TEN HUNDRED 2 TWENTY

SEVEN MILLION POINT EIGHT ONE ZERO ONLY

Chief Engineer Punjab Building Dept. Central Zone Lahore.

Deputy Director Punjab Building Dept. Central Zone Lahore.

Chief Engineer Punjab Building Dept. Central Zone Lahore.

Say Rs. In Million

1027.810

4972.805

Sub Divisional Officer
Building Sub Division Sheikhupura

Executive Engineer
Buildings Division
Sheikhupura

SUPERINTENDING ENGINEER
BUILDING DIVISION
SHEIKHUPURA

18. RELATION WITH OTHER PROJECTS

Scheme ID	Scheme Name
	Construction of Multi-Story 08-Nos. Courts for AD&SJs and 16-Nos. Courts for Civil Judges at District Headquarter Sheikhupura

20. FOCUS ON MARGINALISATION

SR.NO.	CRITERIA	YES/NO	ACTION	COMMENTS
Description & Objectives				
1	Do the description / Objectives of the PC-I specify link / alignment with provincial strategies and sectoral policies?	YES	SDGs	
Use of Gender Disaggregated Data				
1	Was gender disaggregated data used to determine rationale / need of the project for select beneficiaries?	YES	MICS	
Social Impact				
1	Do project objectives/justification include focus on marginalised groups (women, PWDs, minorities, transgender, poor etc.)?	YES	Others (Please specify)	yes the project objectives/justification include focus on marginalised groups (women, pwds, minorities, transgender, poor etc.)
1a	Have marginalised groups (Women, PWDs, Minorities, Transgender Persons, Poor etc.) been included in project objectives / justification and / or as beneficiaries of the project?	YES	Explicit (as Beneficiaries)	the project will resolve problems of the judicial officers, lawyers and litigants who face great difficulties in dispensation of justice to people of the area and provide better working condition.
1b	If yes, does the PC-1 specify a specific quota/percentage for the marginalised (women, PWDs, etc.)?	YES	Others (Please specify)	judicial officers, lawyers and litigants who face great difficulties in dispensation of justice to people of the area and provide better working condition.
2	Does the PC-1 include specific provisions for capacity building / training of marginalised group (if applicable)?	NO		this project is for the construction of additional courts at district hq sheikhupura. no training will be part of this project.
Results Based Monitoring				

1a	Does the PC-I include a Results Based Monitoring Framework (RBMF)/Logical Framework?	YES		
1b	Does the Framework include measurable targets / indicators relating to impact on marginalised groups?	YES	Others (Please specify)	the project will resolve problems of the judicial officers, lawyers and litigants who face great difficulties in dispensation of justice to people of the area and provide better working condition.
2	Were SDG indicators used for determining targets included in the PC-I?	YES	16- Peace, Justice And Strong Institutions	
Inclusion/Participation				
1	Did the Stakeholder consultation(s) held during ADP Formulation and / or PC-I development include experts and representatives of marginalised groups and CSOs?	YES	Others (Please specify)	yes the bench and bar including all the stakeholders are agreed to construct the additional courts at there.
Monitoring & Evaluation				
1	Does the project provide a role to communities in project monitoring and/or implementation (if relevant)?	YES	Others (Please specify)	monitoring is important in updating plans in response to changes in circumstances. systematic monitoring (and also evaluation) is the basis for efficient and sound reporting and may also be an important way to improve communication and achieving objectives in timely manner. evaluation is especially important when public funds are involved as it is important to prove (account for) the efficient use of the funds provided.
2a	Does the project include formation of a Steering Committee and/or Project Implementation Committees?	YES		
2b	Is there a provision to ensure representation of women in these committees?	NO		