D.N.I.T.

CONSTRUCTION OF CANTEEN AT DAANISH SCHOOL (BOYS & GIRLS) RAHIM YAR KHAN.

S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
						Rate	Amount
1	Excavation in bundation of building bridges and other structures, including degbelling, dressing refilling around structure with excavated earth, watering and ramming lead upto one chain(30m)and lift upto 5 ft (1.5m) in ordinary soil.	2730	%oCft	6434.20	17565		
2	`1	2479	%oCft	5353.10	13270		
3	Excavation of trenches in all kinds of soil, except cutting rock for water supply pipelines upto 5' ft depth from ground level including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints etc., complete in all respect.	1800	%oCft	4898.80	8818		
4	Cement concrete brick or stone ballast 1.5" to 2" guage in foundation and plinth.						
	Ratio (1:4:8)	370	%Cft	13233.15	48963		
5	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.						
	Toe Wall	196	%Cft	3670.90	7195		
6	Pacca brick work in 1:6 cement sand morter in foundation and plinth.						
	1:6 ratio	1510	%Cft	16932.55	255682		
7	Pacca brick work cement sand mortar 1:6 other than building	262	%Cft	17528.20	45924		
8	Providing and laying DPC cement cncrete1:2:4 with one coats of bitumen blinded with sand and p-theen sheet 1- 1/2" thick.	446	%Sft	4838.90	21581		
9	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge:Ratio 1:3, ½ " thick (13 mm)	352	%Sft	3172.20	11166		
10	Pacca brick work in ground floor in 1:6 cement sand morter.	1778	%Cft	18192.35	323460		

S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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11	Reinforced cement concrete: in roof slab, columns lintels, girders and other structural members laid in situ or pre cast laid in position, or pre stressed members cast in situ, complete in all respect.Ratio 1:2:4	752	PCft	370.05	278278		
12	Fabricatin of mild steel reinforcement for cement concrete including cutting, bending,laying in position making joints and fastening I/c cost of steel reinforcement (also including removal of rust from bars) deformed bar. Grade - 60	2544	%Kg	14933.70	379913		
13	3/8" thick cement plaster 1:3 upto 20' height.	1226	%Sft	211.10	2588		
14	1/2" thick Cement plaster 1:4 upto 20' (6.00 m) height:-	3987	%Sft	1863.80	74310		
15	Cement pointing struck joints on walls upto 20' heighy ratio 1:2.Extra cost for labour and material for red oxide pigment in cement pointing to match the colour of brick.	2356	%Sft	2316.05	54566		
16	Providing and fixing 1½" (40mm) thick solid flush door shutter(Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect i/c M.S Chokhat of 1-1/2"x1-1/2"x1/4" angle iron welded with 2"x1/4" flat iron complete.	190	P.Sft	554.85	105422		
17	Providing and fixing sliding bolt to doors iron sliding bolt, 12" (300 mm) long doors	8	Each	551.05	4408		
18	Providing and fixing steel windows using M.S. sheet (16 SWG) moulded tubular pipe 1½"x1½" (40x40mm) for frame and 1¼"x1¼" (30x30mm) for leaves including M.S. square bars ¼"x¼" (6x6 mm) welded around each panel of frame, 5 mm thick glass panes fixed with double M.S. square tubular pipe 3/8"x3/8" (10x10mm) (22 SWG) beading with U' shaped rubber lining, brass fitting, holdfast, including painting three coats complete in all respects. a) For openable panels fixed with wire gauze 24 SWG, 12x12 mesh and glass	192	P.Sft	344.05	66058		
19	Painting new surface:- Preparing surface and painting sashes, fan light, glazed or gauzed doors and windows etc. any type (including edges):- three coats	364	%Sft	1562.65	5688		
20	White washing three coats on new surface .	1226	%Sft	278.90	3419		

S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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21	Distempering new surface three coats	3654	%Sft	715.20	26133		
22	Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc	830	%oCft	3083.00	2559		
23	Filling, watering and ramming earth under floors:- with with new earth excavated from outside, lead upto one chain (30 m)	210	%oCft	6203.10	1303		
24	Supply & filling sand under floor or plugging in well.	516	%Cft	1933.90	9979		
25	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.	754	%Cft	4120.30	31067		
26	1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marblepowder in the ratio of 3:1 and two parts of marble chips,laid over 1"(25 mm) thick floor of 1:2:4 cement concrete,including rubbing and polishing complete with finishing :- (a) using grey cement	1192	%Sft	11001.95	131143		
27	Providing and laying topping of cement concrete 1:2:4, ncluding surface finishing and dividing in panels:- 1-1/2" thick	656	%Sft	3940.60	25850		
28	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):1:2:4	75.61	%Cft	23069.65	17443		
29	Laying floor of approved white glazed tile ¼" (6 mm) thick in white cement 1:2 over ¾" (20mm) thick cement mortar 1:2, complete.	34	%Sft	14474.40	4921		
30	White glazed tile (6"x6"x¼") (6 mm) thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" (20mm) thick, including finishing.	118	%Sft	15668.35	18489		
31	Providing and Laying Marble stirips of any shade for dividing the mosaic flooring into panell size 1 1/2"x3/8"	1108	P.Rft	6.60	7313		

S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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32	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc: a) 3" dia (100 mm) cast iron down pipe.	44	P.Rft	193.65	8521		
33	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	4	Each	323.60	1294		
34	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	4	Each	535.55	2142		
35	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	4	Each	498.95	1996		
36	Single layer of tiles 9"x(4.5)"x(1.5)" laid 4"earth and 1"mud plasted without qouted with cement sand in 1:3 on top of RCC roof slab provided with 34 Lbs: bitumen coating sand blinded i/c one layer of polythene sheet 500gm.	1236	%Sft	6558.85	81067		
37	Rehandling of earth work lead upto single through of kassi lead upto a single throw of kassi, phaorah or shovel	345	%oCft	1523.30	526		
38	Extra for making benching floor work in man hole chamber with 1/8" thick cement finish	35	%Sft	1666.35	583		
39	Providing and laying 50mm thick concrete tuff paver of approved firm laid over 2" thick sand cushion i/c filling sand in joints and making proper slope / chamber etc., complete in all respect.	475	PSft	93.55	44436		
40	Providing and latying RCC pipe moulded with cement concrete 1:1-1/2:3 with spigot socket or coller joint including cost of reinforcement,confirming to B>S 5911 part I:1981 class L including carriage of pipe from factory to site lowering in trenches to correct lines complete						
i	225 mm	255	Rft	357.90	91265		
ii	150 mm	50	Rft	197.85	9893		
41	Providing and fixing 1 1/4x1 1/4x3/16" angle iron step, in manhole chamber, including carriage and setting the same in work to correct line and levels.	28	Each	299.35	8382		
42	Providing and fixing 6" thick Rcc manhole cover with 3"x3"x1/4" angle iron frame, 22" as per standard drawing no.7 of 1977 complete in all respect.	7	No	5278.10	36947		

S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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43	1/2" thick cement plaster 1:4 upto 20 ft height i/c bitumen coating to plaster or cement concrete surface.20lbs	245	%Sft	3044.70	7460		
	PLUMBING						
1	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	2	Each	4454.10	8908		
2	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.white, with pedestal	2	Each	2512.55	5025		
3	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. i) white	2	Each	1227.15	2454		
4	Providing and fitting "P" trap:-10 cm (4") glazed.	6	Each	141.70	850		
5	Providing and fitting plastic made low down flushing cistern 1363 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. i) white	2	Each	1199.95	2400		
6	Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").	4	Each	679.25	2717		
7	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:-10x5 cm (4"x2")	4	Each	413.10	1652		
8	Providing and fixing chromium plated bib cock:1.5 cm (½")	4	Each	334.80	1339		
9	Providing and fitting, chromium plated or brass oxidised, swan neck cock 15 mm (½") dia. i) single way	4	Each	376.80	1507		
10	Providing and fixing, chromium plated soap dish.	4	Each	193.70	775		
11	Providing and fixing, chromium plated towel rail:-	2	Each	358.90	718		
12	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	2	Each	386.15	772		

S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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13	Providing and fixing chromium plated tee stop cock 15mm (½")	6	Each	454.80	2729		
	ELECTRIFICATION WORK						
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.						
i.	25 mm dia	1000	PRft	48.50	48500		
ii.	32 mm dia	495	PRft	59.95	29675		
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe / wooden strip batten /wooden casing and capping/G.I. wire/trenches (rate for cables only) 250/440 volts, PVC insulated						
a.	**Single core**						
i.	3/0.74 mm (3/0.029")	1800	PRft	11.70	21060		
ii.	7/0.74 mm (7/0.029")	700	PRft	15.95	11165		
iii.	7/0.91 mm (7/0.036")	600	PRft	22.95	13770		
b.	**Twin core**						
i.	7/1.12 mm (7/0.044")	60	PRft	69.40	4164		
ii	7/1.63 mm (7/0.064")	435	PRft	135.95	59138		
3	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc.						
i.	10 x 10 cm (4"x4")	22	Each	158.30	3483		
ii.	17.5 x 10 cm (7"x4")	24	Each	223.05	5353		
4	Supply and erection of ceiling rose, bakelite.	8	Each	38.05	304		
5	Supply and erection of piano type switches. 5 Amp	50	Each	34.85	1743		
6	Supply and erection of 3 pin switch and plug combined, Recessed type.						
i.	5 Amp	16	Each	70.75	1132		
ii.	10/15 Amp	8	Each	96.45	772		
7	Supply and erection of button holder bakelite large size	28	Each	30.10	843		

S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
						Rate	Amount
8	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	10	Each	39.45	395		
9	Earthing of iron clad/aluminum switches, etc. with G.I. wire No.8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm(2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	2	Each	5166.30	10333		
	NON-Standardized items						
1	Providing and laying polypropylene random coplymer (PPRC) pipe with fusion / threaded joints made (Dadex / Beta / BBJ) complete in all respect.						
i	20mm dia	120	PRft	53.00	6360		
ii	25mm dia	40	PRft	63.00	2520		
iii	32mm dia	325	PRft	94.00	30550		
2	Providing and fitting uPVC soil pipe (Dadex / Beta / BBJ) with solution including cutting fitting wastage i/c all labour and material complete in all respect.						
i	3" dia	20	Each	275.00	5500		
ii	4" dia	80	Each	331.00	26480		
3	Providing and Fixing gun metal peet/gate valve						
i	40mm (1-1/2") dia	4	Each	595.25	2381		
4	Providing ,laying,cutting,jointing,testing and disinfecting pipe line in trenches with Pvc pipes of B.S.S with D class working presurecomplete in all respect.						
i	2" dia	20	Rft	83.00	1660		
5	Supply & errection of ceiling fan 56" sweep comprising pure copper winding (should embossed on fan motor body) imported electric steel sheet, three blades, noiseless running 1' to 2' down rod (3/4" G.I. pipe) as required on site, powder coated white paint conforming to PSQCA valid certification, 200-250 volts 50 Hz or as approved by the Engineer Incharge.	10	Each	4660.00	46600		
6	P/F Exhaust Fan 12" sweep plastic body (Double action) with pure copper wiring (GFC/Pak Fan/Royal Fan etc) i/c louvered shutter i/c making Electric connection upto 1-meter length with existing point as approved by the Engineer Incharge.	8	Each	2080.00	16640		

S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
						Rate	Amount
7	Supply, installation of Louver Bracket Fan 18" with pure copper wiring (GFC/Pak Fan/Royal Fan etc) complete in all respect or as approved by Incharge/ Engineer.	4	Each	3400.00	13600		
8	Providing and fixing of Fan Dimmer switch/ MS, powder coated back box with all associated accessories as approved by the Engineer Incharge.	10	Each	160.00	1600		
9	Supply, installation of LED bulb 12w Philips or as approved by Incharge/ Engineer.	28	Each	290.00	8120		
10	**S/I of MCCB Panel Board 50AMP** P/F M.S cabinet consisting of 16-SWG M.S. sheet duly powder coated with glass plated leaf i/c locking arrangement, necessary fitting, 18"x24" and 6" to 9" deep complete in all respects comprising of following components: i MCCB 50 Amp DPN, 6 KA TERASAKI JAPAN, Legrand France, GE, U.S.A. 1- No. ii. P/F MCB 6 to 20 Amp SP, 2.5 KA TERASAKI JAPAN, Legrand France, GE, U.S.A. 10-No iii. P/F Phase indicators 3-No iv. P/F Ampere meter 0-100 Amp.(imported New zeeland) 1-No v. P/F Volt meter 0-500 Amp. (imported New zeeland) 1-No vi. P/F Thimbles / wires / asscessories / links etc. 1-Job vii. P/F Current transformers of appropriate rating 1-No	2	Each	15500.00	31000		
				Total	**2735673**		
				Say	**2.736**		

Note : (i) B.O.Q is based on rates for 2nd Bi-annual 2019 i.e. from July Ist, 2019 to December 31st, 2019 (District Rahim Yar Khan)
(ii) In case of any ambiguity regarding rate, MRS/ Input rates of Finance Department displayed on web-site for 2nd Bi-annual 2019 i.e. from July Ist, 2019 to December 31st, 2019 District Rahim Yar Khan shall be followed.

Rate quoted by the contractor _____ % Above/ Below on above BOQ rates(s).

Quantity Surveyor
PDS-CEA Lahore

Chief Quantity Evaluator
PDS-CEA Lahore

Deputy Manager Engg.
PDS-CEA Lahore