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D.N.I.T.

CONSTRUCTION OF CANTEEN AT DAANISH SCHOOL (BOYS & GIRLS) D.G.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.	2672	%oCft	6614.80	17675		
2	Earth work excavation in open cutting for sewers and manholes as shown in drawings i/c shuttering and timbering, dressing to correct section and dimensions according to emplates and levels, and removing surface water, in all types of soil except shingle, gravel and rock 0 ft to 7 ft depth ordinary soil.	3452	%oCft	5492.50	18960		
3	Cement concrete brick or stone ballast 1.5" to 2" guage in foundation and plinth.						
i	Ratio (1:4:8)	317	%Cft	13184.45	41795		
ii	Ratio (1:6:18)	12	%Cft	9984.05	1198		
4	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge. Toe Wall	253	%Cft	3734.30	9448		
5	Pacca brick work in 1:6 cement sand morter in foundation and plinth.						
i	1:6 ratio	1510	%Cft	17438.75	263325		
ii	1:5 ratio	220	%Cft	17854.35	39280		
6	Pacca brick work cement sand mortar 1:6 other than building	34	%Cft	18051.60	6138		
7	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	4855.00	21653		
8	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	3193.90	11243		
9	Pacca brick work in ground floor in 1:6 cement sand morter.	1778	%Cft	18734.50	333099		

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S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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10	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	374.00	281248		
11	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	14925.50	379705		
12	3/8" thick cement plaster 1:3 upto 20' height.	1226	%Sft	1824.90	22373		
13	1/2" thick Cement plaster 1:4 upto 20' (6.00 m) height:-	3724	%Sft	1888.30	70320		
14	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	2358.95	55577		
15	Providing and fixing 1 1/4"x1 1/4"x3/16" angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels.	8	Each	300.65	2405		
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	557.50	105925		
17	Providing and fixing sliding bolt to doors iron sliding bolt, 12" (300 mm) long doors	8	Each	187.95	1504		

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S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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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	345.25	66288		
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	960.55	3496		
20	Wite washing three coats on new surface .	1226	%Sft	285.80	3504		
21	Distempering new surface three coats	3654	%Sft	722.40	26396		
22	Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc	890	%oCft	3170.65	2822		
23	Filling, watering and ramming earth under floors:- with with new earth excavated from outside, lead upto one chain (30 m)	690	%oCft	6385.05	4406		
24	Supply & filling sand under floor or plugging in well.	516	%Cft	1580.90	8157		
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.	495	%Cft	4098.15	20286		
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	10238.05	122038		
27	Providing and laying topping of cement concrete 1:2:4, ncluding surface finishing and dividing in panels:- 1-1/2" thick	656	%Sft	3978.50	26099		

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S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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28	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):1:2:4	10	%Cft	23078.60	2361		
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	14604.85	4966		
30	Extra for making finishing benching of floor work in manhole	10	%Sft	1697.95	170		
31	Supply & fitting of cas iron manhole cover with frame etc complete 24" dia	2	Each	1476.45	2953		
32	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.	116	%Sft	15833.10	18366		
33	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		
34	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	195.00	8580		
35	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	4	Each	326.00	1304		
36	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	4	Each	541.15	2165		
37	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	4	Each	505.55	2022		
38	Providing and laying RCC pipe moulded with cement concrete 1:1 1/2: 3 with spigot socket or collar joint, etc., including cost of reinforcement confirming to BS 5911 Part I 1981 Class "L" including carriage of pipe from factory to site of work lowering in trenches to correct alignment and grade, jointing cutting pipes where necessary finishing and testing etc., complete 9" dia.	75	PRft	359.20	26940		

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	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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39	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	6659.09	82306		
40	Rehandling of earth work lead upto single through of kassi lead upto a single throw of kassi, phaorah or shovel	886	%oCft	1565.50	1387		
41	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.	720	PSft	91.95	66204		
	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	4464.15	8928		
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	2524.50	5049		
3	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. i) white	2	Each	1236.20	2472		
4	Providing and fitting "P" trap:-10 cm (4") glazed.	2	Each	143.75	288		
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	1209.65	2419		
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	689.05	2756		
7	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:-10x5 cm (4"x2")	6	Each	415.20	2491		
8	Providing and fixing chromium plated bib cock:1.5 cm (½")	4	Each	335.70	1343		

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S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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9	Providing and fitting, chromium plated or brass oxidised, swan neck cock 15 mm (½") dia. i) single way	4	Each	377.70	1511		
10	Providing and fixing, chromium plated soap dish.	4	Each	194.35	777		
11	Providing and fixing, chromium plated towel rail:-	2	Each	359.75	720		
12	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	2	Each	387.80	776		
13	Providing and fixing chromium plated tee stop cock 15mm (½")	6	Each	455.70	2734		
	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	49.35	49350		
ii.	32 mm dia	510	PRft	60.90	31059		
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	11.85	21330		
ii.	7/0.74 mm (7/0.029")	700	PRft	16.15	11305		
iii.	7/0.91 mm (7/0.036")	600	PRft	23.15	13890		
b.	**Twin core**						
i.	7/1.12 mm (7/0.044")	60	PRft	69.65	4179		
ii	7/1.63 mm (7/0.064")	450	PRft	136.20	61290		
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	160.65	3534		
ii.	17.5 x 10 cm (7"x4")	24	Each	226.00	5424		
4	Supply and erection of ceiling rose, bakelite.	8	Each	38.60	309		

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Sr.	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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5	Supply and erection of piano type switches. 5 Amp	50	Each	35.40	1770		
6	Supply and erection of 3 pin switch and plug combined, Recessed type.						
i.	5 Amp	8	Each	71.25	570		
ii.	10/15 Amp	4	Each	97.00	388		
7	Supply and erection of button holder bakelite large size	28	Each	30.45	853		
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	40.15	402		
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	5230.65	10461		
	NON-Standardized items						
1	Providing and fixing, cutting jointing and testing uPVC sewerage drainage & vent piping conforming to ISO 3633:1991 including uPVC drainage fittings with solvent cement jointing include cost of clamping to walls and ceiling, hangers, supports, cutting through walls and providing sleeves through concrete slabs for pipelines except bends & tees of the following diameter complete in all respect						
i	3" dia	40	PRft	206.00	8240		
ii	4" dia	20	PRft	305.00	6100		
2	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	44.00	5280		
ii	25mm dia	40	PRft	51.00	2040		
iii	32mm dia	300	PRft	74.00	22200		
3	Providing and fixing PPRC Stop Cock 32mm dia	6	Each	644.00	3864		

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	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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4	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		
5	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		
6	Making connection for PPRC pipe including cutting jointing with main water supply line complete in all respect	2	Each	2500.00	5000		
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		

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S#	Description	Qty	Unit	Rate	Amount	Rate to be quoted by the contractor	
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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	**2612060**		

Say Rs: 2·612 m

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 D.G.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 D.G.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

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