BOQ

Sub: C/o Strong Room in Canara Bank at IISER, Mohali

Sr. No.	DSR 2014	Discription of Items	Qty	Unit	Rate	Amount
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
	2.6.1	All kinds of soil	4.5	Cum		
2	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.2	1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size)	2	Cum		
	4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	2.5	Cum		
3	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor,etc., up to floor five level, excluding the cost of centering, shuttering and finishing :				
	4.2.2	1:1½:3 (1 cement:1½ coarse sand:3 graded stone aggregate 20 mm nominal size)	14.2	Cum		
4	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
	4.3.1	Foundations, footings, bases for columns	2.3	Sqm		
	4.3.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	68	Sqm		
5	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	5.22.6	Thermo-Mechanically Treated bars	2320	Kg		
6	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	8.6	Sqm		
7	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	8.6	Sqm		
8	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1220	Kg		

9	11.46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.				
	11.46.2	Size of Tile 600x600 mm	18.65	Sqm		
10	13.1	12 mm cement plaster of mix :				
	13.1.1	1:4 (1 cement: 4 fine sand)	8.60	Sqm		
11	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
	13.2.1	1:4 (1 cement: 4 fine sand)	8.60	Sqm		
12	13.16	6 mm cement plaster of mix :				
	13.16.1	1:3 (1 cement : 3 fine sand)	68	Sqm		
13	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	85.3	Sqm		
14	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				
	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer	110	Sqm		
15	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	13.61.1	Two or more coats on new work	25	Sqm		
16	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in- charge				
	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	2	Cum		
17	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	2	Cum		
	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
	15.23.1	For thickness of tiles 10 mm to 25 mm	20	Sqm		
18	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	28	Sqm		
19	15.97.	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	16	Sqm		

20		Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a)		3 x 1.5 sqmm	25	Mtrs.		
b)		3 x 4 sq. mm	80	Mtrs.		
c)		3 x 10 sq. mm	25	Mtrs.		
21		Supply and fixing following size metallic GI modular box alongwith modular base and cover plate for modular switches in recess etc as required				
a)		3M	8	Nos.		
22		Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)		15/16 amp switch	8	Nos.		
b)		6 pin 15/16 amp socket outlet	8	Nos.		
c)		5/6 amp socket outlet	2	Nos.		
23		Supplying and Fixing following size / modular base & cover plate for modular switches in recess etc as required.				
a)		3 Module	8	Nos.		
24		Supplying and fixing of following ways horizontal vertical type three pole and neutral, steel sheet, MCB distribution board, 415 volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painting including earthing etc as required (But without MCB/RCCB/Isolator)				
a)		4 way (4 + 12) double door	1	Nos.		
25		Supply and fixing 5Amps to 32 Amps rating, 240/415 volts, “C” curve, miniature circuit breaker suitable for inductive load of following poles in existing MCB DB complete with connection, testing and commissioning etc. as required.				
a)		Single pole MCB	5	Nos.		
26		Providing and fixing following capacity TP&N disconnector fuse switch unit inside the existing panel board with ISI marked HRC fuses including driling holes in cubical panel, making connections, etc as required				
a)		63 A	1	Nos.		
		Total				

Contractor