

Bill of quantity for the work Urgent provision of Yagyashala platform and allied civil works at Shiv Mandir of Chhapar Colliery under Hendegir Project, Barka-Sayal Area.

S.N.	Description of Item	Qty.	Unit	UPDATED RATE	Amt(Rs.)
1	PART - A (Shed) Earth work in excavation by mechanical means (Hydraulic excavator) / manual means foundation trenches, drain not exceeding 1.5 m in width as well as 10 sqm on plan including dressing of sides and ramming of bottom, lift up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m. (All kinds of soils).	10.08	cum	210.61	2122.95
2	Supplying and filling in plinth with Jamuna sand under floors including watering, ramming, consolidation and dressing complete.	0.39	cum	1242.11	484.42
3	Providing and laying cement concrete of specified grade excluding the cost of centering and shuttering in all works up to plinth level : 1:4:8 (1cement : 4 fine sand : 8graded stone aggregates 40 mm nominal size).	1.34	cum	5559.85	7450.20
4	Brick work with FPS bricks of class designation 50 in foundation and plinth using cement mortar 1:6 (1cement : 6coarse sand).	4.31	cum	6044.26	26050.76
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5m.	5.40	cum	173.71	938.03
6	Cement concrete flooring 1:2:4 (1cement : 2coarse sand : 4graded stone aggregates) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc. complete: 40 mm thick with 20 mm nominal size stone aggregates.	9.00	sqm	450.25	4052.25
7	Structural Steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	275.63	kg	90.01	24809.46
8	12 mm cement plaster of mix : 1:6 (1cement: 6fine sand)	7.80	sqm	206.27	1608.91

9	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50mm +/- 5% total coated thickness (TCT) Zinc coating 120gsm as per IS:277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protected guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length up to 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and GI limpet washers or with GI limpet washers filled with white lead complete upto any pitch in horizontal / vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	17.52	sqm	763.33	13373.54
10	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish lead up to 50 m and lift up to 1.5 m. (All kinds of soil).	1600.00	sqm	19.08	30528.00
11	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	6.75	sqm	104.18	703.22
12	PART -B (Boundary Wall) Earth work in excavation by mechanical means (Hydraulic excavator) / manual means foundation trenches, drain not exceeding 1.5 m in width as well as 10 sqm on plan including dressing of sides and ramming of bottom, lift up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m. (All kinds of soils).	6.48	cum	210.61	1364.75
13	Supplying and filling in plinth with Jamuna sand under floors including watering, ramming, consolidation and dressing complete.	0.54	cum	1242.11	670.74
14	Providing and laying cement concrete of specified grade excluding the cost of centering and shuttering in all works up to plinth level : 1:4:8 (1cement : 4 fine sand : 8graded stone aggregates 40 mm nominal size).	0.81	cum	5559.85	4503.48
15	Brick work with FPS bricks of class designation 50 in foundation and plinth using cement mortar 1:6 (1cement : 6coarse sand).	4.71	cum	6044.26	28468.46
16	Half brick masonry with FPS bricks of class designation 50 in foundation and plinth in cement mortar 1:4 (1cement : 4coarse sand).	24.38	sqm	754.03	18383.25
17	12mm cement plaster of mix: 1:6 (1cement : 6fine sand).	63.90	sqm	206.27	13180.65
18	Steel work in 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.	70.00	kg	105.08	7355.60

19	White washing with lime to give an even shade: New work (three or more coats).	63.90	sqm	23.61	1508.68
20	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	4.05	sqm	104.18	421.93
					187979.28
				Add GST @ 18%	33836.27
				Gross Amount	221815.55