

**tion of Press shop Extension towards South Side including
 Machine Foundation**

**MACHINE FOUNDATION
 Schedule 'A'**

Annexure-I

Sl. No.	Description of Work	Unit	Qty.	Rate	Amount
1	Demolishing RCC work manually by mechanical means including stacking of steel bars and disposal of unserviceable material with in 50 metres lead. As per the direction of Engineer-in-charge	Cum	196	537.55	105359.80
2	Demolishing cement concrete manually by mechanical means including disposal of material within 50 lead				
	1:3:6 or richer mix	Cum	63	368.45	23212.35
3	Earth work in excavation by mechanical means (hydraulic excavator) /manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth lead upto 50 m lead and lift upto 1.5m disposal earth to be levelled and neatly dressed.				
	All kinds of soil	Cum	981	101.85	99914.85
4	Earth work in excavation by mechanical means (hydraulic excavator) /manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth lead upto 50 m lead and lift upto 1.5m disposal earth to be levelled and neatly dressed.				
	Ordinary rock	Cum	960	152.60	146496.00
	Hard rock (requiring blasting)	Cum	1365	252.20	344253.00
5	Earth work in excavation by mechanical means (hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	All Kind of Soil	Cum	155	103.40	16027.00
6	Extra for every additional lift of 1.5m or part there of:				
	All kind of soil.	Cum	160	18.90	3024.00
	Ordinary or hard rock	Cum	860	33.85	29111.00
7	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited later by ramming and watering lead upto 50 m and lift upto 1.5 m	Cum	270	45.70	12339.00

Annexure-I

	Item of Work	Unit	Qty.	Rate	Amount
	by mechanical transport				
	including loading, unloading and stacking upto 1 Km				
i)	Earth	Cum	335	49.42	16555.70
ii)	Excavated rock	Cum	1270	79.07	100418.90
9	Providing & laying of moorum & stone aggregate 90-63 mm nominal size including consolidating, watering etc complete.	Cum	250	883.35	220837.50
10	Providing&laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.				
	1:3:6 (1Cement : 3coarse sand : 6graded stone aggregate 40mm nominal size)	Cum	135	1563.17	211027.95
11	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of cement ,centring, shuttering, finishing and reinforcement - All work upto plinth level.				
	1 : 1 : 2 (1 cement : 1 coarse sand : 2 graded stone aggregate 20 mm nominal size).	Cum	1006	1652.83	1662746.98
	1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 m m nominal size).	Cum	83	1641.30	136227.90
12	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level centring, shuttering				
	1:1:2 (1cement : 1coarse sand : 2graded stone aggregate 20 mm nominal size).	Cum	57	2013.18	114751.26
	1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	Cum	83	2001.65	166136.95
	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	83	2047.44	169937.52
13	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete.				
	Thermo-Mechanically Treated (TMT) bars	Kg	128519	6.35	816095.65
14	Centring & shuttering including strutting, propping etc & removal of form for:				
	Foundation, footings, bases of columns etc for mass concrete	Sqm	991	119.25	118176.75
	Walls (any thickness) including attached pilasters, butteresses plinth and string cources etc.	Sqm	815	180.40	147026.00
	Columns, pillars, piers, abutments, posts and struts.	Sqm	266	238.40	63414.40
15	Brick work with bricks of class designation 50 in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	40	1680.33	67213.20
16	Brick work with bricks of class designation 50 in superstrucuter above plinth i.e. upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	43	1870.33	80424.19



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Annexure-I

ion of Work	Unit	Qty.	Rate	Amount

Annexure-I

	Description of Work	Unit	Qty.	Rate	Amount
	Concrete flooring with concrete hardener topping under layer 40mm thick cement concrete 1 : 2 : 4 (1 Cement : 2 coarse sand : 4 graded stone) aggregate 20mm nominal size) and top layer 12mm thick Harderete cement hardener consisting of mix 1 : 2 (1 cement hardener mix : 2 graded stone aggregate 6mm nominal size) by volume with which Harderete hardening compound of Snowcem India Ltd. or equivalent is mixed @ litre Harderete per 50 kg of cement including cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	243	165.81	40291.83
18	12mm cement plaster of mix : 1 : 6 (1 cement : 6 fine sand)	Sqm	731	48.83	35694.73
19	15mm cement plaster on the rough side of single or half brick wall of mix 1 : 6 (1 cement : 6 fine sand)	Sqm	742	56.07	41603.94
20	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	Sqm	319	51.30	16364.70
21	Structural Steel work in Single Section fixed with connecting plate including cutting, hoisting, fixing in position and applying apriming coat of approved steel primer all complete (Structural steel will be supplied free of cost from BHEL store)	Kgs	7200	4.25	30600.00
22	Structural Steel work welded in Built up Section, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.(Structural steel will be supplied free of cost from BHEL store)	Kgs	8150	6.95	56642.50
23	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item.) With float glass panes of 5.50 mm thickness	Sqm	60	673.55	40413.00

Annexure-I

	ion of Work	Unit	Qty.	Rate	Amount
	odised aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately).				
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required (Fittings shall be paid for separately)				
	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kgs	30	332.85	9985.50
25	Providing and placing in position suitable PVC water stops conforming to IS:12200 of Deep-Jyoti or equivalent for construction/expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:				
	Serrated with central bulb (225 mm wide, 8-11 mm thick)	MTR.	146	386.75	56465.50
	Total Cost of M/C Foundation Annexure - I As per DSR-2007				5198789.55

Rate to be quoted in Percentage (%) only

Sr. Engineer (MOD/Civil)