

**BILL OF QUANTITIES****Name of Work: Beautification of Adalatganj Talab, Patna, Bihar**

S.No	Discription	Unit	Rate	Quantity
1	Boring, Providing <i>and</i> installing cast in situ single under reamed piles of specified diametre and length below pile cap in cement concrete piles with mix 1:134:3 (1 cement:1 <sup>1</sup> / <sub>2</sub> coarse sand:3 graded stone aggregate 20 mm nominal size) to carry a safe working load not less than specified, excluding the cost of steel reinfrement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc all complete.(Length of piie for payment shall be measured upto to the bottom of pile cap).			
	400 mm dia piles	M	2225.30	1230.00
2	Extra over item no 23.3 for boring,providing and installing cast in situ double under reamed piles, instead of single under ream of specified diameter and length. (Only the quantity of extra bulbs are to be paid).	Each	1373.80	246.00
4	Earth work in excavation over areas ( exceeding 30 cm in depth. 1.5 m in width as well es 10 sqm on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed.			
	All kinds of soil	cum	200.70	56.15
5	Earth work in excavation in foundtion trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.			
	All kinds of soil	cum	205.20	296.63
6	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.	cum	66.40	178.63
7	Supplying and Filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete.	cum	192.50	182.11
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level:			
(a)	1:3:6(1 Cement:3 coarse sand: 6 graded stone aggregate 20mm nominal size)	cum	2775.70	18.75
(b)	1:4:8(1 Cement: 4 coarse sand:8 graded stone aggregate 40 mm nominal size)	cum	2346.90	27.38

9	Centering and shuttering including strutting, propping etc. and removal of form work for:			
	Foundations, footings, bases for columns	sqm	166.30	60.03
10	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size).	sqm	218.10	28.00
11	Extra for providing and mixing water proofing material in cement concrete work in the proportion recommended by the manufacturers.	per 50kg cement	48.07	8.96
12	Making plinth protection 50mm thick of cement concrete 1:3:6(1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size) over 75mm bed dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	sqm	378.95	0
13	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete			
(a)	All work up to plinth level	cum	3910.80	203.25
(b)	Walls columns, pillars, posts and struts	cum	4201.30	239.97
(c)	Beams, plinth beams, girders, bressumers, cantilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.	cum	4403.10	705.51
14	Add or deduct for providing richer or leaner mixes respectively at all floor levels.	cum	0.00	0
15	Centering and shuttering including strutting, propping etc. and removal of form for:			
(a)	Foundations, footings, bases of columns, etc. for mass concrete.	sqm	166.70	301.32
(b)	Walls (any thickness) including attached pilasters. Butteresses, plinth and string courses etc.	sqm	248.10	372.29
(c)	Suspended floors, roofs, landings, balconies and access platform.	sqm	275.60	1185.31
(d)	Shelves (Cast in situ)	sqm	275.50	140.59
(e)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	251.30	1842.67
(f)	Columns, Pillars, Piers, Abutments, Posts and Struts.	sqm	344.40	1907.16
(g)	Stairs, (excluding landings) except spiral-staircases.	sqm	321.50	2177.34
(h)	Edges of slabs and breaks in floors and walls.	sqm	76.60	0
(i)	Under 20cm wide	m		
16	Extra for additional height in centring, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and de centring at all levels over a height of 3.5 m ,for every additional height of 1 metre or part thereof (Plan area to be measured)			
	Suspended floors, roofs, laning, beams and balconies (Plan area to be measured)	sqm	105.50	484

17	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete.			
(a)	Mild steel 6.00mm dia	Kg	0.00	0.00
(b)	Thermo-Mechanically Treated bars TMTC-500-8mm dia	Kg	57.27	59308.40
(c)	Thermo-Mechanically Treated bars TMTC-500-10mm dia	Kg	55.97	2965.42
(d)	Thermo-Mechanically Treated bars TMTC-500-12mm dia	Kg	54.67	25206.07
(e)	Thermo-Mechanically Treated bars TMTC-500-16mm dia	Kg	55.67	14827.10
(f)	Thermo-Mechanically Treated bars TMTC-500-20mm dia	Kg	55.07	32619.62
(g)	Thermo-Mechanically Treated bars TMTC-500-25mm dia	Kg	0.00	0.00
18	Brick work with bricks of class designation 100A in foundation and plinth in:			
	Cement mortar 1:6(1 cement:6 coarse sand)	cum	3992.90	94.63
19	Extra for Brick work in superstructure above plinth level upto floor V Level	cum	434.60	82.59
20	Cement concrete flooring 1:2:4(1 cement:2 coarse:sand:4 graded stone agregate) finished with a floating coat of neat cement including cement slurry, etc. but excluding the cost of nosing of steps etc. complete.40 mm thick with 20 mm nominal size stone aggregate			
		sqm	212.80	378.21
21	Cement plaster skirting (upto 30 cm hieght) with cement mortar 1:3 (1 cement:3 coarse sand) finished with a floating coat of neat cement.			
	18 mm thick	sqm	205.68	16.80
22	Providing and laying Ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brow laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement: 4 Coarse sand) including pointing the joints with white cement and matching pigments etc. complete.			
		sqm	788.60	83.01
23	Providing and fixing 20mm thick mirror polished, machine cut for kitchen platforms, vanity counters facias and similar locatins of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement :4 coarse sand) with joints treated with white cement, mixe* with matching pigament-epoxy touch ups. including rubbing, curing etx. complete at all lbevels.			
	Granite black	m	2762.20	0
24	Extra for providing edge moulding to 18 mm thick marble stone counters, Vanities etc. over item no. 8.2 including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer -in -charge.			
	Granite work	m	211.60	0

25	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622(thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12mm thick bed of cement Mortar 1:3(1 cement: 3 coarse sand ) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	754.20	48.10
26	40 mm thick rough chisel dressed stone flooring over 20 mm (average) thick base with joint finished flush.			
	Red sand stone	sqm	548.10	1976.14
27	Providing designation 100A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I.	sqm	227.60	615.19
28	12mm cement plaster of mix: 1:6(1 cement: 6 coarse sand)	sqm	89.30	318.38
29	15mm cement plaster on the rough side of single or half brick wall of mix: 1:6(1 cement: 6 course sand)	sqm	103.20	318.38
30	20mm cement plaster of mix: 1:4(1 cement: 4 course sand)	sqm	128.10	0
31	6mm cement plaster to ceiling of mix: 1:4( 1 cement: 4 coarse sand)	sqm	77.40	378.21
32	12 mm cement plaster 1:3( 1 cement: 3 coarse sand) finished with a floating coat of neat cement	sqm	138.00	148.77
33	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade, New work (three or more coats) with applying one coat of cement primer of approved brand and manufacture on wall surface	sqm	85.40	1014.97
34	Carriage of Materials:-			
(a)	Bricks	%o	555.09	66.59
(b)	Coarse sand Koilwar (50 KM)	cum	710.03	715.82
(c)	Stone chips Koderma	cum	1572.45	1268.94
(d)	Local sand	cum	194.36	191.52
(e)	Cement lead	MT	257.55	634.93
(f)	Steel Lead	MT	257.55	148.271
(g)	Bricks bats	cum	209.32	0
35	Difference of Cost:-			
(a)	Bricks 100A	%o	1815.50	66.59
(b)	Cement	cum	-13.18	634.93
(c)	Brick bats		99.77	0
<b>Total Cost</b>				
<b>Say Rupees</b>				
<b>(Two Crore Thirty lacs Ninety Thousand one hundred thirty Only</b>				

<b>Amount</b>
2,737,119.00
337,954.80
11,269.31
60,868.48
11,861.03
35,056.18
52,044.38
64,258.12

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<b>23,090,127.06</b>
<b>23,090,130.00</b>