

BOQ**Name of Work:- Site Development of A.C. Plant Building and C.S. Building front at NIT, Rourkela.**

Sl.No.	Item	Unit	Quantity	Rate	Amount
1	Earthwork in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth 1.5m in width as well as 10 sq.m. on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed (all kinds of soil).	Cum	1520.00	114.68	174313.60
2	Extra rates of quantities for works, executed : (the extra percentage rate is applicable in respect of each item but limited to quantities of work executed in these difficult conditions) In or under water and /or liquid mud, including pumping out water as required.	Cum	120.00	22.94	2752.32
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20Cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50M and lift upto 1.5M	Cum	380.00	50.77	19292.60
4	Supplying and filling in plinth with river sand under floors including watering ramming consolidating and dressing complete.	Cum	386.00	273.14	105432.04
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:4:8 (1 Cement : 4 sand:8 Coarse Aggregate 40mm Down)	Cum	220.00	3077.31	677008.20
6	Providing and laying in position Reinforced cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:1:2 (1 Cement : 1 sand:2 Coarse Aggregate 20mm Down) mix design M25 Up to Plinth	Cum	58.00	4822.73	279718.34
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:2:4 (1 Cement : 2 sand:4 Coarse Aggregate 40mm Down)	Cum	11.20	3970.04	44464.45

8	Centering and shuttering including strutting propping etc and removal of forms for: Foundations footing bases of column etc for mass concrete	Sq.M	5.00	110.23	551.15
9	walls (Any thickness) including attached pillaster buttresses plinth and string	Sq.M	210.00	155.62	32680.20
10	Suspended floors roofs landings balconies and access platform	Sq.M	106.00	161.74	17144.44
11	Providing and placing reinforcement for R.C.C. work including straightening cutting bending placing in position and binding allcomplete. Thermo Mechanically Treated Bars	Kg	7000.00	64.01	448070.00
12	Brick work with F.P.S bricks of class designation 75 in foundation and plinth in cement mortar 1:6 (1cement: 6 Sand)	Cum	9.00	2963.50	26671.50
13	Half brick masonry with FPS bricks of class designation 75 in foundation and plinth in Cement mortar 1:4 (1 cement: 4 sand)	Sq.M	50.00	371.98	18599.00
14	cement concrete Pavement with 1:2:4 (1 cement : 2 sand: 4 coarse aggregate) including finishing complete	Cum	3.00	4118.57	12355.71
15	Providing fixing and laying 60mm thick (SPECTRA / ULTRA or Equivalent) hydraulically compressed precast inter locking block of I shape or any other approved shape with approved colour, size over 100mm thick layer including excavation and filling upto desired level and spreading fine sand over paved blocks and compacting including cost of material transporting to the site, unloading stacking etc all complete.	Sq.M	811.00	976.24	791730.64
16	Chequered precast cement concrete tiles 22mm thick DESIGNER TILE (ULTRA / SPECTRA / DUROCON / EQUIVALENT) in foot path and courtyard jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20mmthick bed of cement mortar 1:4 (1cement :4sand) Ordinary cement without any pigment.	Sq.M	600.00	871.18	522708.00
17	15mm cement plaster of mix 1:6 (1 cement: 6 Sand)over rough side of half brickwork	Sq.M	25.00	84.69	2117.25

18	20mm cement plaster of mix 1:6 (1 cement: 6 Sand)	Sq.M	25.00	102.34	2558.50
19	6mm cement plaster of mix 1:4 (1 cement: 4 Sand)	Sq.M	103.00	62.59	6446.77
20	Neat cement Punning	Sq.M	103.00	25.04	2579.12
21	Extra for providing and mixing water proofing materials in cement plaster work in proportion recommended by the manufactureres.	Per bag of 50kg cement	18.00	110.15	1982.70
22	White washing with KATNI lime to give an even shade				
	New work (Three or more coat	Sq.M	75.00	10.01	750.75
23	Applying priming coat with ready red oxide zinc cromate primer of approved brand and manufacturer on steel galvanised iron/ stell works.	Sq.M	25.00	23.36	584.00
24	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				
	Two or more coats on new work	Sq.M	20.00	48.96	979.20
25	Conveyance of Materials such as stone metal refuse,garbage, rubbish etc including labour for loading and unloading. Beyond initial lead.				
	truck load Upto 1km	Cum	1100.00	41.00	45100.00
26	Dismantling precast concrete or stone slab in walls partition walls etc including stacking within 50mtr lead.				
	Thickness upto 50mm thick	Sq.M	174.00	49.72	8651.28
27	Demolishing R.B work manually/ by mechanical means including stacking of steel bars and disposal of unservicable materials within 50mtr lead as per direction of Engineer in Chare.	Cum	3.00	528.09	1584.27
28	Providing and fixing 1mm thick M.S sheet door with frame of 40x40x6mm angle iron and 3mm M.S gusset paltes at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
	Using M.S angle 40x40x6 mm for diagonal braces	Sq.M	2.00	2050.38	4100.76
29	Steel work welded in built up section /framed work including cutting hoisting fixing in position and applying a priming coat of approved steel primer using steel etc as required.				
	In stringers, traeds, landing etc of stair cases including use of chequred plates wherever required all complete	Kg	190.00	59.43	11291.70

30	Providing & laying 500x500x40/60mm thick Turf paver (Ultra/Spectra/locally made paver block as approved by Engineer in Charge) on 150mm thick of compacted bed of moorum and jamuna sand including spreading, well ramming, consolidating and finishing smooth etc. all complete as per direction of Engineer in Charge (Rate inclusive of Earth and sand and labour etc complete).	Sq.M	882.00	835.84	737210.88
				Total =	3999429.37