

BILL OF QUANTITY CUM PRICE SCHEDULE**Name of Project****: 220/132kV SUBSTATION AT PUSUALI.****Name of Work****: LAND DEVELOPMENT AND BOUNDARY
WALL WORKS AT PUSUALI SUBSTATION.**

S.No.	Description of Item	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
1	Site grading/ land development works including cutting shrubs & bushes				
(a)	Mass cutting including lift of 3.5m.	2000	cum	100.00	200000.00
(b)	Backfilling from above excavated earth including compaction with roller in layers of 20cm.	2000	cum	83.00	166000.00
©	Dewatering, contour mapping, earth filling from outside including supplying & carriage, compaction in layers of 20cm with roller, levelling etc. all complete as per direction of Engineer-in-Charge.(Quantity of earth filling as per contours to be measured for payment)	115000	cum	180	20700000.00
2	Earthwork in excavation by mechanical means(Hydraulic excavator)/manual means over areas (exceeding 30cm in depth 1.5m in width as well as 10sqm on plan) including dewatering as necessary of rain water/subsoil seepage water and disposal of excavated earth upto 100m and lift upto 3.5m, disposed earth to be levelled and neatly dressed.				
(a)	All kinds of soil.	350	cum	130.8	45780
3	Filling available excavated earth (including rock) in trenches, plinth, sides of foundations, etc., in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 100m and lift upto 3.5m.	250	cum	83.8	20950
4	Carriage & disposal of surplus excavated earth/rock beyond initial lead by mechanical means not necessarily all the times on pucca roads, including loading, unloading, dressing of excavated material, etc., complete as per specifications -.				
(a)	Lead upto 1 km.	100	cum	82.78	8278
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
(a)	1:4:8(1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size)	20	cum	3593.3	71866
6	Providing and laying cement concrete in coping upto floor five level, excluding the cost of centering, shuttering and finishing.				
(a)	1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size)	25	cum	5272.4	131810
7	Extra for providing and mixing water proofing material 'Impermo' or equivalent in cement concrete work in the proportion recommended by the manufacturer.	50	kg	35.35	1768
8	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement- All work up to plinth level:				

S.No.	Description of Item	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
	1:1.5:3 (1 cement:1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	170	cum	5094.85	866125
9	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. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:				
	1:1.5:3 (1 cement:1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	65	cum	5735.75	372824
10	Centering and shuttering including strutting, propping, etc., and removal of form for:				
(a)	Foundations, footings, bases of columns, etc., for mass concrete.	650	sqm	166.9	108485
(b)	Lintels, beams, plinth beams and cantilevers.	600	sqm	262.25	157350
©	Columns, Pillars, Piers, Posts and Struts .	850	sqm	365.6	310760
11	Steel reinforcement -Cold twisted bars /TMT- Fe 500				
(a)	Including supply and bending, straightening, binding (i/c cost of binding wire), placing in position, etc., all labour & material, complete.	20000	kg	55	1100000
12	Brickwork with F.P.S.bricks of class designation 75 in superstructure above plinth level to floor V level in all shapes and sizes in:				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	520	cum	3876.15	2015598
13	15mm cement plaster on the walls in the mix:				
	1:6 (1cement :6coarse sand)	5000	sqm	140.45	702250
14	Finishing walls with water proofing cement paint of required shade :				
	New work : Two or more coat.	5000	sqm	44.95	224750
	Total				27204593