

BOQ for Block-A,B & C

Name of Work: Construction of Pile Foundations including Erection of Module Mounting Structures, Modules and levelling, Grading for 65MW ,Solar Power Plant of NLC - Tamilnadu.(Structures, modules, hardware supply by BHEL)

Sl.No	DESCRIPTION	UNIT	QTY	Total BOQ	BOQ 25MW Location-2 (Block A)	BOQ 20MW Location-1 50% of 40MW (Block B)	BOQ 20MW Location-1 50% of 40MW (Block C)
1	Boring (with Auger/DTH etc), providing and installing bored cast-in-situ cement concrete piles of machine batched and machine mixed design mix M-25 grade of specified diameter and length below the pile cap, to carry a safe working load not less than specified, including the cost of boring and concrete, with temporary casing of appropriate length for setting out and removal of same all complete, including removal of excavated earth with all lifts and leads, marking of pile location at site with Total station as per design and drawing of BHEL: 300 mm dia piles (Variable depth Approximately up to 2.00m) In all kinds of soils	metre	108945	108945	41900.25	33522.38	33522.38
2	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works upto plinth level. for top concrete pile cap/ collar of MMS with waterproofing paint, curing etc	cum	1091.968125	1091.97	419.97	336.00	336.00
3	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete. for top concrete/ collar of MMS	sqm	14047.575	14047.58	5402.70	4322.44	4322.44
4	Erection and Alignment of structure legs (Columns) in plumb,as per the Co-Ordinates, Inside pile foundation before concrete complete in all respect including collecting structure material from BHEL STORE unpacking , shifting to work location, disposal of unwanted packing material at identified location (BHEL WILL SUPPLY STRUCTURE MATERIAL AND HARDWARES)	tonne	813	813	312.68	250.16	250.16
5	Erection of Structure material,Assembly to mentioned inclined angle,tightening of accessories using tools at mentioned torque.including collecting structure material from BHEL STORE unpacking , shifting to work location, disposal of unwanted packing material at identified location (BHEL WILL SUPPLY STRUCTURE MATERIAL AND HARDWARES)	tonne	1980	1980	761.508	609.25	609.25
6	Erection of modules, placing, tightening using tools at mentioned torque. . (size approximately 1976 x 996 x 50mm) .including collecting module from BHEL STORE unpacking , shifting to work location, disposal of unwanted packing material at identified location (BHEL WILL SUPPLY MODULE/HARWARE)	no.	238600	238600	91765.56	73417.22	73417.22
7	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 SQM	10522.2	10522.2	4046.84	3237.68	3237.68
8	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material Beyond 30 cm girth upto and including 60 cm girth	each	10	10	3.846	3.08	3.077

