

BILL OF QUANTITY

Name of Project : 400/220kV Substation Extension at Wardha.

Name of Work : Yard Civil Works

Item No.	Description of Item	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
A	WORKS BASED ON EMPLOYER/BHEL SUPPLIED DRAWINGS				
(i)	Excavation in all types of soil and rock including backfilling disposal etc. for all leads and lifts	Cu.Mtr.	3155		
(ii)	Providing and laying of Plain Cement Concrete (PCC) (1:4:8)	Cu.Mtr.	144		
(iii)	Providing and laying of Plain Cement Concrete (PCC) (1:2:4)	Cu.Mtr.	59		
(iv)	Providing and laying of Reinforced Cement Concrete (1:1:5:3 nominal mix) including pre cast, shuttering, Grouting of pockets & underpinning but excluding steel reinforcement	Cu.Mtr.	739		
(v)	Providing and laying Plain Cement Concrete 1:5:10 (1 cement : 5 sand : 10 brick aggregate)	Cu.Mtr.	540		
(vi)	Steel Reinforcement	MT	32		
(vii)	Stone filling (40mm size) for transformer/reactor foundation	Sq. m.	28		
(viii)	Misc. Structural steel including rails, embedments, edge protection angles, gratings etc. but excluding the reinforcement steel and steel for lattice and pipe structures.	MT	30		
(ix)	Stone spreading in switchyard				
(a)	Stone spreading and antiweed treatment in switchyard excluding PCC	Sq.m	7200		
(x)	Supplying & laying hume pipe of grade (NP-3)				
(a)	250mm dia	RM	20		
(b)	300mm dia	RM	20		
(xi)	Supplying and erecting dewatering pumps				
(a)	0.5 HP	No.	2		
(xii)	Construction of rail cum road as per drawing including all item such as excavation, compactions, rolling watering, WBM etc. but excluding concrete reinforcement and structural steel				
(a)	Section having two rails	RM	28		
(xiii)	All civil works as per drawing and specification but excluding excavation , PCC, RCC, reinforcement and external finish for following buildings				
(a)	Switch yard panel room (I no)	LS	1		
(xiv)	External finish as per specification for following building				
(a)	Switch yard panel room	LS	1		
(xv)	Removal & Respreading of existing gravel for the present scope of work	LS	1		
(xvi)	Fixing (all dia & length) foundation bolts in position with help of proper templates including nuts and washers all complete as per drawings & directions of Engr-in-Charge.	MT	5		
	Total Amount (Rs.)				
	Note:				
1	The rates shall be deemed to be inclusive of cost against all activities covered in specification & drawings against that item				

ANNEXURE-II

TB-347-607-003 Pkg II

Rev. 00

Item No.	Description of Item	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
2	PGCIL drawings provided may not be totally exhaustive. Any minor details required as per site requirement or for the sake of system completion shall be issued by PGCIL during construction stage. The rates shall be deemed to be inclusive of such contingencies.				
3	Foundation bolts shall be supplied by BHEL free of cost at site. Fixing shall be paid under item No. A(xvi)				