

**BILL OF QUANTITY**

**Name of Project** : 400/132kV Substation at Barh  
**Name of Work** : Additional Piling Works for Tower Foundations

S.No.	Description of Items	Unit	Total Quantity	Unit Rate	Amount
1	Installation of cast-in-situ RCC piles bBored piles of 600 mm dia and 140 Ton capacity by boring through soil with rotary hydraulic drilling rig.	RM	14500		
2	RCC grade M-25 for piling with maintaining top level above cut off level and breaking/preparation of pile head for pile of 600 mm dia and 140 Ton capacity.	RM	14500		
3	Breaking of pile up to cutoff level due to subsequent change of cut off level	cum	15		
4	Making of 100 mm nominal dia bore hole for performing SPT	RM	85		
5	Low strain integrity test on pile - 600 mm dia and 140 Ton capacity	each	500		
6	Conducting load test on pile including provision and erection of kentledge, anchor piles, load cells for measurement and submission of test result (Excluding cost of installation of piles)				
(a)	Routine vertical load test on pile for 1.5 times safe vertical load carrying capacity - 600 mm dia and 140 Ton capacity	each	3		
(b)	Routine lateral load test on pile for 1.5 times safe lateral load carrying capacity - 600 mm dia and 140 Ton capacity	each	3		
7	Providing and placing reinforcement, in reinforced concrete and allied works at all levels, for kinds of work, including transportation, cleaning, straightening, cutting, bending, binding in position with annealed wire and/or welding, providing concrete cover blocks, pins, separators, chairs, supports for reinforcement, etc. with all materials, labour, equipment, handling, transporting, testing, etc., preparation of bar bending schedules all complete as per specifications, drawings and instructions of the Engineer. <b>(Reinforcement shall be supplied by BHEL free of cost as per conditions of contract.) (Bidder to quote for labour rates only)</b>				
(a)	For works below ground level (High strength deformed bars)	MT	300		
	<b>TOTAL AMOUNT</b>				