

ANNEXURE-I

BIL OF QUANTITY CUM PRICE SCHEDULE

Name of Project : 400/132/33 KV Substation at Nabinagar
Name of Work Civil works of 400kV & 33kV Transmission Lines.

S.No.	Description of Item	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
1	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.	18900	cum	129.35	2444715.00
2	Filling available excavated earth (excluding 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.	15500	cum	83.80	1298900.00
3	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.	3450	cum	82.78	285591.00
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
(a)	M7.5(1:4:8 nominal mix).	471	cum	3593.30	1692444.30
5	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for RCC structural elements including roads excluding the cost of centering, shuttering, finishing and reinforcement including admixtures in recommended proportions (as per IS 9103) to accelerate, retrard setting of concrete, improve workability without impairing strength and durability. - M25 grade reinforced cement concrete by using minimum 330kg of cement per cum of concrete.				
(a)	All works upto plinth level	3000	cum	5242.15	15726450.00
6	Centering and shuttering including strutting, propping, etc., and removal of form for:				

(a)	Foundations, footings, bases of columns, etc., for mass concrete.	2700	sqm	166.90	450630.00
(b)	RCC walls at all levels (any thickness).	10	sqm	285.15	2851.50
(c)	Beams,plinth beams.	10	sqm	262.25	2622.50
(e)	Columns, Pillars, Piers, Posts and Struts .	2000	sqm	365.60	731200.00
7	Steel reinforcement -Cold twisted bars /TMT- Fe 500 (To be procured from SAIL,TISCO,IISCO, JINDAL STEEL and RINL only)				
(a)	Including supply, straightening, cutting and bending, binding (i/c cost of binding wire), placing in position, etc., all labour & material, complete.	27000	kg	62.25	1680750.00
(b)	Excluding supply but including straightening, cutting,bending, binding, (i/c cost of binding wire), placing in position, etc., all labour & material, complete.(See Note 1)	247000	kg	6.50	1605500.00
8	Fixing of stub angles in position with necessary arrangements as per drawing and directions of Engr-in-Charge including template fixing,alignment and removal of template.(Templates shall be provided by BHEL free of cost. Weight of stub only shall be measured for payment of this item.)	22000	kg	19.00	418000.00
9	6 mm plaster of mix: 1:3 (1 cement:3 fine sand)	375	sqm	101.00	37875.00
10	Neat cement punning.	375	sqm	31.10	11662.50
	Total Amount (Rs.)				26389191.80

NOTES:

1	For Item No : 7(b) reinforcement steel shall be supplied by BHEL free of cost as per norms indicated in conditions of contract. The rate quoted against Item No: 7 (b) above shall be deemed to be inclusive of cost against all activities required including transportation of material from (SAIL,TISCO, IISCO, RINL, Jindal Steel or rerollers approved by main producers) stockyard.
2	<u>The approximate lengths of 400kV & 33kV Transmission lines are 10 KM & 3.5 KM respectively. Locations of tower foundations shall be as per line layout and construction has to be done accordingly on those locations.</u>
3	<u>Bidder is advised to visit the site before submitting the offer.</u>