

ANNEXURE-I

BILL OF QUANTITY CUM PRICE SCHEDULE

Name of Project

: 400KV SWITCHYARD AT SURATGARH

Name of Work

: Civil works of 400kV & 11kV Transmission Lin

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.	15630	cum	129.35	2021740.50
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.	13390	cum	83.80	1122082.00
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.	2250	cum	82.78	186255.00
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).	400	cum	3593.30	1437320.00
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, retard 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	1860	cum	5242.15	9750399.00
6	Centering and shuttering including strutting, propping, etc., and removal of form for:				
(a)	Foundations, footings, bases of columns, etc., for mass concrete.	1780	sqm	166.90	297082.00
(b)	Columns, Pillars, Piers, Posts and Struts .	1540	sqm	365.60	563024.00
7	Steel reinforcement -Cold twisted bars /TMT- Fe 500 (To be procured from SAIL,TISCO,IISCO, JINDAL STEEL and RINL only)				

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S.No.	Description of Item	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
(a)	Including supply, straightening, cutting and bending, binding (i/c cost of binding wire), placing in position, etc., all labour & material, complete.	17610	kg	62.25	1096222.50
(b)	Including supply, straightening, cutting and bending, binding (i/c cost of binding wire), placing in position, etc., all labour & material, complete.	158490	kg	6.83	1082486.70
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 including all T&P, labour etc. (Templates shall be provided by BHEL free of cost. Weight of stub only shall be measured for payment of this item.)	29840	kg	31.50	939960.00
9	6 mm plaster of mix: 1:3 (1 cement:3 fine sand)	90	sqm	101.00	9090.00
10	Neat cement punning.	90	sqm	31.10	2799.00
					18508460.70

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 The approximate lengths of 400kV & 11kV Transmission lines are 1.97 KM & 5.7 KM respectively. Locations of tower foundations shall be as per approved layout and construction has to be done accordingly on those locations.
- 3 Bidder is advised to visit the site before submitting the offer.