

SCHEDULE "A"

(Material Element) Estimate for constn. of approx. 11KM 132KV DCDS (2 phase 4 wire) line from 220/132 KV S/s Paraswani for supplying 10000KVA EHT demand on 132KV to 132/25KV Railway Traction Sub-station at Mahasamund.

Route length: 11Km

No. of Locs. - 40 Nos.

Sl. No.	Item	Qty	Unit	Rate	Amount
1	Supply of towers, Superstructure with Stubs & Templates :-				
i	DN 2 type tower & stub	24	Nos		
ii	DN 30 type tower & stub	10	Nos		
iii	DN 60 type tower & stub	6	Nos		
iv	MD 60 type tower & stub	0	Nos		
v	3 Mtr extension for DN 2	4	Nos		
vi	3 Mtr extension for DN 30	2	Nos		
vii	3 Mtr extension for DN 60	2	Nos		
viii	6 Mtr extension for DN 2	2	Nos		
ix	6 Mtr extension for DN 30	2	Nos		
x	6 Mtr extension for DN 60	2	Nos		
xi	9 Mtr extension for DN 2	2	Nos		
xii	9 Mtr extension for DN 30	2	Nos		
xiii	9 Mtr extension for DN 60	0	Nos		
xiv	Stub setting template for DN2	6	Nos		
xv	Stub setting template for DN30	4	Nos		
xvi	Stub setting template for DN60	2	Nos		
xvii	Stub setting template for MD60	0	Nos		
xviii	132KV Truncated Gantry column	6	Nos		
xix	132KV Gantry Beam	4	Nos		
xx	Supply of tower				
	a) Cost of raw Steel	190.00	MT	54574	10,369,060.00
	b) Cost of Fabrication	190.00	MT	19173	3,642,870.00
	c) Cost of Galvanization	170.00	MT	24586	4,179,620.00
II	G.I. Nut & Bolts & Washers	9.00	MT	80321	722,889.00
TOTAL					18,914,439.00
2	Conductor & Ground Wire				
i	ACSR Panther	45	KM	144224	6,490,080.00
ii	95 Kg/mm sq. 7/3.66mm groundwire	11.5	KM	62960	724,040.00
TOTAL					7,214,120.00

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3	Conductors Accessories.				
I	Midspan joints	31	Nos	347	10,757.00
ii	Vibration dampers	320	Nos	368	117,760.00
iii	Repair sleeves	8	Nos	164	1,312.00
TOTAL					129,829.00
4	Groundwire Accessories				
I	Suspension assembly	24	Nos	341	8,184.00
ii	Tension assembly	32	Nos	366	11,712.00
iii	Midspan joints	5	Nos	65	325.00
iv	Repair sleeves	3	Nos	89	267.00
v	Copper earth bond	80	Nos	389	31,120.00
vi	Vibration dampers	80	Nos	336	26,880.00
TOTAL					78,488.00
5	Conductor hardware				
I	Single tension	80	Nos	920	73,600.00
ii	Double tension	96	Nos	1818	174,528.00
iii	Single Suspension	64	Nos	1360	87,040.00
iv	Double Suspension	64	Nos	2445	156,480.00
TOTAL					491,648.00
6	Dics Insulator				
1	70 KN	864	Nos	441	381,024.00
2	90 KN	1280	Nos	474	606,720.00
TOTAL					987,744.00
7	Miscellaneous.				
I	Enamelled danger board	40	Nos	279	11,160.00
ii	Enamelled number plate	40	Nos	279	11,160.00
iii	Phase / Circuit Plate	80	Nos	279	22,320.00
iv	Earthing set	80	Nos	2778	222,240.00
v	7/8WG galvanised G. Wire	4	MT	60775	243,100.00
vi	Anticlimbing devices	40	Sets	7786	311,440.00
TOTAL					821,420.00
8	Reinforcement steel	30	MT	60032	1,800,960.00
TOTAL					1,800,960.00
					30,438,648.00

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O/O C.E.(C&P)CSPTCL RAIPUR

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SCHEDULE "B"

FULL OF SCHEME COME-401

(Labour Element) Estimate for constn. of approx. 11KM 132KV DCDS (2 phase 4 wire) line from 220/132 KV S/s Paraswani for supplying 10000KVA EHT demand on 132KV to 132/25KV Railway Traction Sub-station at Mahasamund.

Route length: 11Km

No. of Locs. - 40 Nos.

S. No.	Item	Unit	Qty	Rate	Amount
1	Survey :-				
(a)	Preliminary survey & measurement of S.R. etc.	KM	11	25000	275000
(b)	Detailed survey	KM	11	50000	550000
(c)	Check survey including site clearance	KM	11	25000	275000
2	Soil classification (Bore log data)	No.	40	5500	220000
3	Excavation in different soil				
i)	Normal/ Intermediate soil	CUM	270	232	62640
ii)	Wet Soil	CUM	1310	232	303920
iii)	Black Cotton Soil	CUM	832	232	193024
iv)	Partially Submerged Soil	CUM	415	332	137780
v)	Fully Submerged Soil	CUM	250	332	83000
vi)	Dry Fissured Rock (Soft Rock)	CUM	140	772	108080
vii)	Submerged Fissured Rock	CUM	291	772	224652
viii)	Hard rock	CUM	5	1512	7560
ix)	Sandy Soil	CUM	0	354	0
4	Setting of template & stub setting	LOC	40	4550	182000
5	Tower Erection	MT	170	6000	1020000
6	Stringing of 4 wire Panther Conductor & One Ground wire for traction	KM	11	46428	510708
7	Reinforcement incl. Cost of binding wire	MT	30	5000	150000
8	Concreting including back filling muffing, coupling & curing (including cost of cement, sand, metal & water etc.)	CUM	415	10000	4150000
9	Peripheral Welding of Nuts & Bolts	loc.	40	4228	169120
10	Revetment including base padding stone masonry wall to cover painting including cost of stone sand water etc.	CUM	250	5425	1356250
11	Back filling for revetment	CUM	150	100	15000
12	Counter poise earthing	Mtr.	100	279	27900
13	Final checking and rectification fixing of ACD Fixing of Danger Board & Number Plate	LOC.	40	2574	102960
Total:-					10,124,594.00

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SCHEME COME:- 401

SCHEDULE "C"					
Estimate for constn. of approx. 11KM 132KV DCDS (2 phase 4 wire) line from 220/132 KV S/s Paraswani for supplying 10000KVA EHT demand on 132KV to 132/25KV Railway Traction Sub-station at Mahasamund.					
forest involved: 0.7 Km					
(WAY LEAVE CLEARANCE AND FOREST COMPENSATION)					
S. No.	Item	Unit	Qty	Rate	Amount
1	Registration fee for demand of forest land for its use other than forestry work (Non refundable)	Each	1	5000	5000
2	Processing fee applicable for diversion of forest land (non refundable)				
(I)	Up to 50 Hectare	Each	1	25000	25000
3	Compensation for Trees, Way leave clearance etc	KM	0.7	20963	14674.1
4	Forest compensation (Compensatory afforestation, Tree cutting Transportation, Stacking charges, Fire Protection charges etc.	Hectare	1.9	461192	871652.88
5	Net present value for quality II/III type D forest	Hectare	1.9	1677060	3169643.4
6	Cost of Land to be acquired by CSPTCL	Acre	5	500000	2346500
	Total				6432470.38

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