

ESTIMATE I

Sl. No.	Description	Unit	Qty.	Rate (in Rs.)	Amount (in Rs.)
1	200 X 100mm R.S. Joist - 11mr. Long	No / Mr. / MT	207 Nos / 2277 / 1500	14300 / 14256.00	2980100.00 295932.00
2	100 X 50mm M.S. Channel	Kg / MT	15 MT. 1500	38.00	57000.00
3	75 X 40mm M.S. Channel	Kg / MT	13 MT. 1300	38.00	49400.00
4	50 X 50 X 6mm M.S. Angle	Kg / MT	8.6 800	38.00	30400.00
5	Top Clamp - made by 100 X 50mm MS Channel 76mm	No / Kg	153 Set / 0.5 MT 500	38.00	19000.00
6	33KV V Cross Arm	No	153	932.00	142596.00
7	Back Clamp for V Cross Arm	No	153	64.00	9792.00
8	33KV Pin Insulator	No	540	277.00	149580.00
9	33KV GI Pin	No	540	135.00	72900.00
10	Disc Insulator -90KN - B&S Type	No	486	849.00	412614.00
11	33KV Hardware fitting-suitable for 232mm ² A.AAC	No	486 162	265.00	42930.00 126756.60
12	HT Stay Set Complete - Heavy duty	Set	68	483.00	32844.00
13	HT Stay Insulator	No	68	51.00	3468.00
14	7/8 SWG GI Stay Wire	Kg	1500	43.00	64500.00
15	Stay Clamp	Pair	68	80.00	5440.00
16	Coil Earthing	No	153	97.00	14841.00
17	40mm GI Earthing Pipe	No	27	381.00	10287.00
18	No 8 GI Wire for Earthing	Kg	300	38.00	11400.00
19	MS Nut, Bolt and Washer	Kg	1000	47.00	47000.00
20	232mm ² AAAC	Km	30	141,000.00	4230000.00
21	Common Salt	Bag	27	160.00	4320.00
22	Charcoal	Bag	54	185.00	9990.00
23	Concreting of Single Pole Pits	LS	153	500.00	76500.00
24	Concreting of Double Pole Pits	LS	27	700.00	18900.00 200.00
25	Concreting of Stay	LS	68	350.00	23800.00
26	Sundries .Paint, Danger Board, Clamp, Connector, Binding Tape, Wire	LS	9.1	1,500.00	13650.00
27	Anti Climbing Device (Barbed Wire)	Kg	1000	38.00	38000.00
	Sub-Total			8551252.00	8,826,664.00
	Cost Escalation		15%	1282687.80	1,254,200.00
	Sub-Total			9833939.80	8,922,204.00
	Stock & Storage		3%	295018.19	297,686.74
	Sub-Total			10128957.99	10,219,870.74
	Other Charges		22.5%	2279015.55	2,299,470.52
	Sub-Total			12407973.54	12,519,341.66
	Overhead Charges		6%	744,478.41	751,166.50
	Sub-Total			13,152,451.96	13,270,508.16
	Supervision Charges		6%	789147.42	796,230.15
	Sub-Total			13941599.07	14,066,738.28
	Inspection fees for 33KV Line			500.00	500.00
	Inspection fees for AB switch 2pole / 3pole		27	750.00	20,250.00
	Drawing Approval			400.00	400.00
	Processing Fees			200.00	200.00
	GROSS ESTIMATED AMOUNT			13962949.07	
	NET ESTIMATED AMOUNT			OR SAY	13962949.00
	Supervision Charges		6%	789147.42	796,230.15
	Processing Fees			200.00	200.00
	TOTAL			789347.12	796,430.15

Gross Rs. 14,066,738.28 / 13962949/- (A)
 Net Rs. 796,430.15 / 789347/- (A) OR SAY - 789347.00

Gross (Rupees One crore forty lakhs eighty eight thousand and eighty two) only
 Net (Rupees seven lakhs ninety six thousand four hundred and thirty) only

Executive Engineer (Elect.)
 R.E.D., WESCO, Rourkela.

(Signature) 20/10/12

Estimate - II

Description	Unit	Qty.	Rate (in Rs.)	Amount (in Rs.)
40 X 150mm R.S. Joist - 11mtr. Long	No / Mtr. / MAT	40 Nos / 440 / 12MAT	13751 / 13580.00	548840.00
100 X 50mm M.S. Channel	Kg / MAT	550	38.00	19000.00
75 X 40mm M.S. Channel	Kg / MAT	400	38.00	15200.00
50 X 50 X 6mm M.S. Angle	Kg / MAT	250	38.00	9500.00
Top Clamp - made by 100 X 50mm MS Channel 7.6mm	No / Kg	68 Kg	38.00	2584.00
33KV V Cross Arm	No	22	932.00	20504.00
Back Clamp for V Cross Arm	No	22	64.00	1408.00
33KV Pin Insulator	No	93	277.00	25761.00
33KV GI Pin	No	93	135.00	12555.00
Disc Insulator -90KN - B&S Type	No	162	849.00	137538.00
33KV Hardware fitting-suitable for 232mm ² AAAC	No	162-54	265.00	42830.00
HT Stay Set Complete - Heavy duty	Set	21	483.00	10143.00
HT Stay Insulator	No	21	51.00	1071.00
7/8 SWG GI Stay Wire	Kg	450	43.00	19350.00
Stay Clamp	Pair	21	80.00	1680.00
Coil Earthing	No	40	97.00	3880.00
40mm GI Earthing Pipe - 3m	No	9	381.00	3429.00
No 8 GI Wire for Earthing	Kg	100	38.00	3800.00
MS Nut, Bolt and Washer	Kg	250	47.00	11750.00
232mm ² AAAC	Km	7.5	141,000.00	1057500.00
Common Salt	Bag	9	160.00	1440.00
Charcoal	Bag	18	185.00	3330.00
Concreting of Single Pole Pits	LS	22	500.00	11000.00
Concreting of Double Pole Pits	LS	9	700.00	6300.00
Concreting of Stay	LS	21	350.00	7350.00
Sundries, Paint, Danger Board, Clamp, Connector, Binding Tape, Wire	LS	2-2	1,500.00	1500.00
Anti Climbing Device (Barbed Wire)	Kg	1000	38.00	38000.00
Sub-Total			1,988,723.00	2,011,703.00
Cost Escalation		15%	298,308.45	298,308.45
Sub-Total			2,287,031.45	2,310,011.45
Stock & Storage		3%	68,610.94	68,610.94
Sub-Total			2,355,642.39	2,378,622.39
Other Charges		22.5%	530,019.54	530,019.54
Sub-Total			2,885,661.93	2,908,641.93
Overhead Charges		6%	173,139.72	173,139.72
Sub-Total			3,058,801.65	3,081,781.65
Supervision Charges		6%	183,528.10	183,528.10
Sub-Total			3,242,329.75	3,265,309.75
Inspection fees for 33KV Line			300.00	300.00
Inspection fees for AB switch 2pole / 3pole		9	750.00	6,750.00
Drawing Approval			400.00	400.00
Processing Fees			200.00	200.00
GROSS ESTIMATED AMOUNT			32,49,979.75	32,87,445.75
NET ESTIMATED AMOUNT			OR SAY	32,49,980.00
Supervision Charges		6%	183,528.10	183,528.10
Processing Fees				200.00
TOTAL			183,728.10	185,849.10

Gross Rs. 3,287,445 / 32,49,980 OR SAY 183,728.00
 Net Rs. 185,849 / 183,728

Rs. (Rupees thirty two lakhs eighty seven thousand four hundred forty five) only
 Rs. (Rupees one lakh eighty five thousand eight hundred forty nine) only

Executive Engineer (Elemt.)
 R.E.D., WESCO, Rourkela.

[Signature]
 20/10/12

WESTERN ELECTRICITY SUPPLY COMPANY OF ORISSA LIMITED
OFFICE OF THE EXECUTIVE ENGINEER (ELECT.)

Name of the Work:-

Estimate for "Provision of 33KV Bay Arrangement at 33/11KV S/S REC,Rourkela."

Estimate framed by :- Sri. A. N Meher, Executive Engineer(Elect), R. E. D., WESCO, Rourkela.

REPORT

The estimate amounting of

Rs. 1332909/- (A) Gross (Rupees eleven lakhs one thousand eight hundred and ninety eight
 Rs. 62416 Net (Rupees sixty two thousand four hundred and sixteen)

has been framed to meet the probable expenditure towards

Estimate for "Provision of 33KV Bay Arrangement at 33/11KV S/S REC,Rourkela."

The above work shall be carried out by Party / Authority at his own cost through a licenced Electrical contractor after deposit of Net Estimated amount to WESCO and observing all the official formalities. Before execution of work party has to get the materials to be inspected by WESCO officials

The same shall be get inspected by the Electrical Inspector of Orissa after necessary deposit of Inspection Fees and oth Govt. deposit by Party/Authority for necessary energisation.

This estimate will be effective subject to the condition that if any Right of Way Problem arises then the estimate will be revised and the differential cost will be borne by the party as per field requirement (Construction of NBLS tower and erection of XLPE Cable).

Scope of Work :-

Construction of 33KV Bay at 33/11KV S/S REC,Rourkela	1 No
33KV VCB with CT & PT provision (out door type)	1 Set
Construction of 33KV VCB Plinth	1 No

ESTIMATE III

Sl. No.	Description	Unit	Qty.	Rate (in Rs.)	Amount (in Rs.)
1	150 X 150mm R. S. Joist - 11mir. Long	No / Mtr	42	12600.00	529200.00
2	100 X 50mm M. S. Channel	Kg. / M.T.	750	38.00	28500.00
3	75 X 40mm M. S. Channel	Kg. / M.T.	200	38.00	7600.00
4	50 X 50 X 6mm M. S. Angle	Kg. / M.T.	100	38.00	3800.00
5	33KV Pin Insulator	No	6	84.00	504.00
6	33KV GI Pin	No	6	135.00	810.00
7	Disc Insulator - 90kV - 8&S Type	No	54	849.00	45846.00
8	33KV Hardware fitting-suitable for 232mm ² AAAC	No	54	265.00	14370.00
9	33KV Isolator - 800Amp	Set	2	32000.00	64000.00
10	33KV HG Fuse	Set	1	5550.00	5550.00
11	40mm GI Earthing Pipe	No	4	381.00	1524.00
12	25 X 3mm GI Strip	Kg.	100	38.00	3800.00
13	33KV VCB with CT & PT provision (out door type)	Set	1	342302.00	342302.00
14	Concrete Plinth for VCB and its CRP	No	1	20000.00	20000.00
15	232mm ² AAAC	Km	0.5	141000.00	70500.00
16	Common Salt	Bag	4	160.00	640.00
17	Charcoal	Bag	8	185.00	1480.00
18	Concreting of Pole Pits	L.S.	4	500.00	2000.00
19	Sundries, Paint, Danger Board, Clamp, Connector, Binding Tape, Wire	LS		2000.00	2000.00
	Sub-Total			815865.00	674176.00
	Cost Escalation		15%	122379.75	101126.40
	Sub-Total			938244.75	775302.40
	Stock & Storage		3%	28147.54	23259.07
	Sub-Total			966392.09	798561.47
	Other Charges		22.5%	217438.22	179676.33
	Sub-Total			1183830.31	978237.80
	Overhead Charges		6%	71029.81	58694.27
	Sub-Total			1254860.13	1,036,932.07
	Supervision Charges		6%	75291.60	62,215.92
	Sub-Total			1330151.74	1,099,148.00
	Inspection fees for 33KV Line			300.00	300.00
	For HG Fuse	Set	1	750.00	750.00
	For Isolator	No	2	750.00	1,500.00
	Processing Fees			200.00	200.00
	GROSS ESTIMATED AMOUNT			1332901.74	1,101,898.00
	NET ESTIMATED AMOUNT			OR SAY	1332909.00
	Supervision Charges		6%	75291.60	62,215.92
	Processing Fees				200.00
	TOTAL			75491.6	62,416