

**Present :**     **Shri S. P. Nanda, Chairperson**  
                      **Shri B.K. Misra, Member**  
                      **Shri S. P. Swain, Member**

**IN THE MATTER OF : An Application for approval of investment to the tune of Rs.307.50 crore for the Financial year 2012-13 and 2013-14 as part of CAPEX programme of SOUTHCO for the financial year 2010-14.**

For the petitioners: Shri P.Gopal Ready, Managing Director, WESCO  
Shri Sandesh N. Rane, NESCO,  
Shri G.B.Swain,GM(Fin.),CSO, WESCO,NESCO & SOUTHCO,  
Shri Mahesh Mohapatra, GM, CAPEX,NESCO,  
Shri V.Chandrasekhar Rao, GM(SOUTHCO).

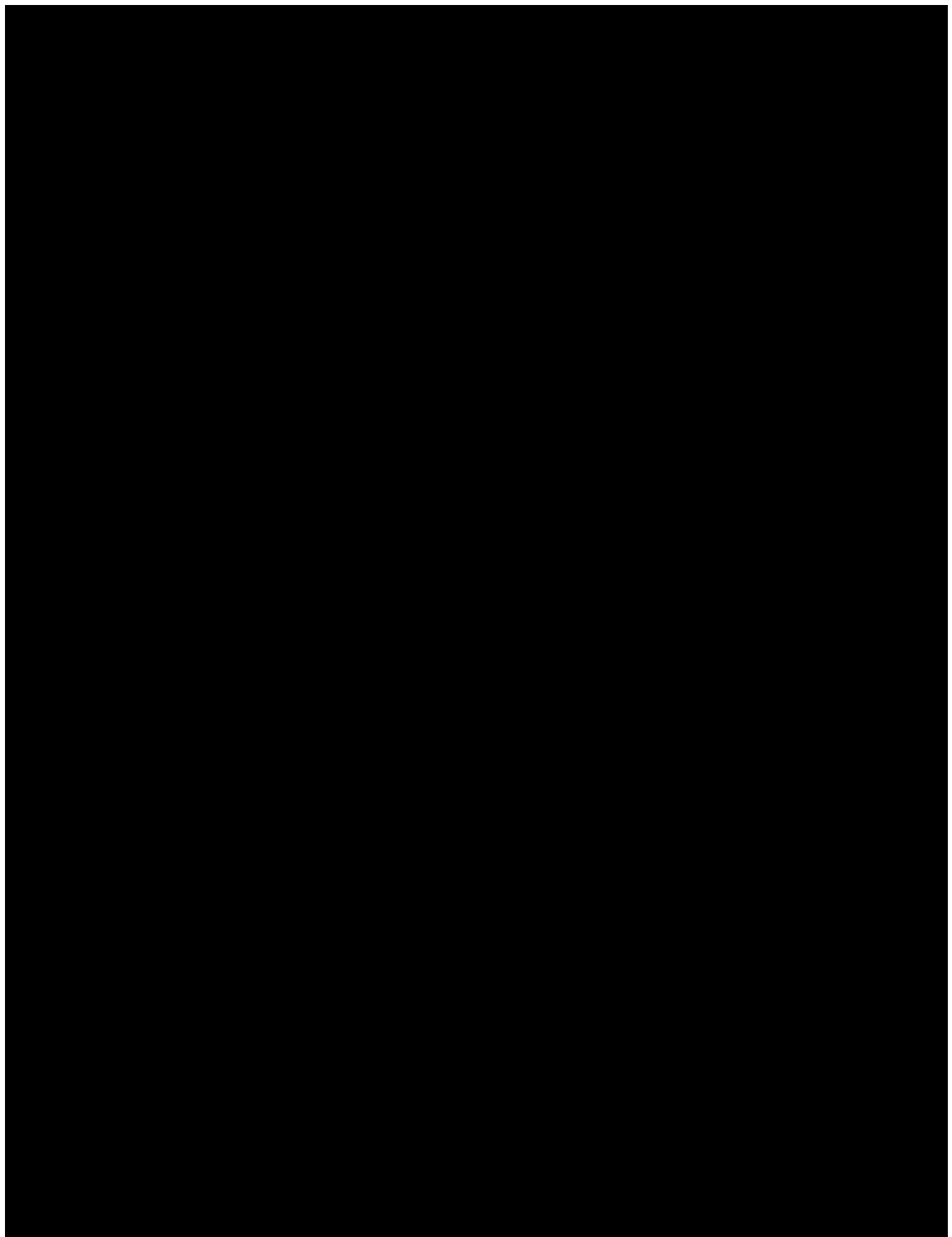
For the respondent: Nobody is present on behalf of DoE,GoO and GRIDCO Ltd.

**Date of Hearing:17.8.2012**

**Date of Order:27.09.2012**

### **ORDER**

1. WESCO, NESCO and SOUTHCO have submitted their investment proposals of Rs.292.50 crore, Rs.315.00 Crore and Rs.307.50 crores respectively under CAPEX for the financial year 2012-13 and 2013-14 for approval of the Commission. Along with the proposal of Rs.315.00 crore by NESCO the company have submitted supplementary investment proposal of Rs.54.60 crore for approval. The Commission fixed the date of hearing on 17.8.2012. Earlier the Commission vide its Order dated 10.11.2010 in Case No.109, 110 and 111 of 2010 had approved the investment proposal of WESCO, NESCO and SOUTHCO for the financial year 2010-11 and 2011-12. The abstract of the proposal for the financial year 2012-13 and 2013-14 submitted by DISCOMS are depicted in the table below:-



**NORTH EASTERN ELECTRICITY SUPPLY COMPANY OF ORISSA LIMITED**

**Item Wise Proposed Expenditure for CAPEX Programme**

for the Financial Year 2012-14

Rs. In lakhs

Sl No	Code	Name of Proposed Works		Unit	Unit Rate in Lakhs	CAPEX 2012-13		CAPEX 2013-14		CAPEX 2012-14		
						Qty	Amount	Qty	Amount	Qty	Amount	
1	P-9	Construction of new 33/11KV sub-station (including 2x5 MVA PTRs, land, Boundry wall, Control room etc. in complete shape).			Nos.	300.00	11	3300	12	3600	23	6900
2	P-7	Renovation 33/11KV Substation as per description in proposal			Nos.	40.00	0	0	10	400	10	400
					Nos.	10.00	0	0	16	160	16	160
3	P-4	Uprating of 33 KV line	a) With 100 mm <sup>2</sup>	KM	2.50	169	422.5	222.5	556.25	391.5	978.75	
			b) With 232 mm <sup>2</sup>	KM	8.00	124.3	994.4	71.7	573.6	196	1568	
4	P-11	New 33KV line.	a) With 100 mm <sup>2</sup>	KM	4.50	100.05	450.225	166.7	750.15	266.75	1200.375	
			b) With 232 mm <sup>2</sup>	KM	10.30	25.1	258.53	0	0	25.1	258.53	
			c) 300 mm <sup>2</sup> XLPE	KM	LS	LS	26.3	LS	0	LS	26.3	
5	P-10	Requirement of VCB / CT / PT.	33KV VCB	Nos.	6.00	55	330	32	192	87	522	
			11KV VCB	Nos.	4.00	258	1032	64	256	322	1288	
			33KV PT	Set	1.00	40	40	32	32	72	72	
			11KV PT	Set	0.50	169	84.5	64	32	233	116.5	
6	P-13	Up-gradation of Power Transformer.	8MVA	Nos.	60.00	0	0	8	480	8	480	
7	P-20	Dry Type Tranformer (11/4) 100 KVA			Nos.	2.00	40	80			40	80
8	P-16	Station Tranformer(33/0.4)100KVA			Nos.	5.00	59	295	32	160	91	455
9	P-2	Uprating of 11KV line	With 100 mm <sup>2</sup>	KM	2.50	1408.5	3521.25	676.7	1691.75	2085.2	5213	
10	P-12	New 11KV Line	a) With 100 mm <sup>2</sup>	KM	3.00	190	570	228	684	418	1254	
			b) 300 mm <sup>2</sup> XLPE	KM	LS	LS	11.7	LS	5.85	LS	17.55	
11	P-6	Consumer metering	a) 1-Ph Meter	Nos.	0.02	53700	1074	52685	1053.7	106385	2127.7	
			b) 3-Ph Meter	Nos.	0.10	0	0	1600	160	1600	160	
12	P-3 & P-8	Replacement of bare conductor with AB Cable.	35 mm <sup>2</sup>	KM	2.50	0	0	117.01	292.525	117.01	292.525	
			50 mm <sup>2</sup>	KM	2.90	0	0	614.15	1781.035	614.15	1781.035	
			95 mm <sup>2</sup>	KM	4.70	0	0	259.15	1218.005	259.15	1218.005	
13	P-14	Replacement of damaged Pole	a) 8Mtr PSC Pole	Nos.	0.04	0	0	6950	278	6950	278	
			b) 9Mtr PSC Pole	Nos.	0.06	0	0	3750	225	3750	225	
			c) 11Mtr PSC Pole	Nos.	0.07	0	0	1600	112	1600	112	
14		Metering with metering unit, meter, cable, installation etc. in complete shape	a) 33KV Feeder Metering	Nos.	1.65	127	209.55	30	49.5	157	259.05	
			b) 11KV Feeder Metering	Nos.	1.15	307	353.05	82	94.3	389	447.35	
15	P-5	DTR Metering	a)Complete with 400/5 CT,Meter, LT Single Core 300 mm <sup>2</sup> cable ,CT Box & Installation for 200 KVA to 315KVA.as per description in proposal)	Nos.	0.35			542	189.7	542	189.7	
			b) Complete with 200/5 CT,Meter, LT single core 185 mm <sup>2</sup> cable,CT Box & Installation for 100 KVA & 150 KVA as per description in proposal.)	Nos.	0.30			4014	1204.2	4014	1204.2	
16	P-15	Earthing of the sub-station			Nos.	0.25	0	0	760	190	760	190
17	P-19	IT Implimentation( Consumer indexing,DSOCC,Custmer care,Software & Hardware etc.)			LS		597		1428.43	0	2025.43	

13650.01

17850.00

31500.00

**SOUTHERN ELECTRICITY SUPPLY COMPANY OF  
ORISSA LIMITED, SOUTHCO**

		TOTAL SOUTHCO Scope during 2012-13 & 2013-14					
Name of Proposed Works	UNIT	SCOPE 2012-13	AMOUNT in lakhs	SCOPE 2013-14	AMOUNT in lakhs	SCOPE 2012-14	AMOUNT in lakhs
HVDS with 16 KVA	No.	20	20.00	79	79.00	99	99.00
HVDS with 16 KVA (3-Phs)	No.	64	83.20	154	200.20	218	283.40
HVDS with 25 KVA	No.	714	1071.00	745	1117.50	1459	2188.50
ASSOCIATED 11KV LINE WITH 55 mm2 AAAC	Km	103	185.94	137	245.86	240	431.80
NEW 11KV Line with 80mm2 AAAC	Km	211	591.36	193	541.24	405	1132.60
NEW 11KV Line with 100mm2 AAAC	Km	37	133.20	25	88.20	62	221.40
Upgradation of 11KV Line 55 mm2 AAAC	Km	202	242.28	124	148.68	326	390.96
Upgradation of 11KV Line 100 mm2 AAAC	Km	134	186.90	180	252.00	314	438.90
LT XLPE AB Cable 95 Sqmm	Km	581	1742.70	432	1295.10	1013	3037.80
LT XLPE AB Cable 50 Sq.mm	Km	825	2063.50	546	1364.63	1371	3428.13
LT XLPE AB Cable 35 Sq.mm	Km	5	6.50	4	5.20	9	11.70
NEW 33KV Line with 100 mm2 AAAC	Km	243	1068.10	175	771.98	418	1840.08
Upgradation of 33KV Line IN 100 mm²	Km	253	532.14	208	435.75	461	967.89
33KV BREAKERS ALONG WITH CT / PT/METER	No.	116	696.00	86	516.00	202	1212.00
11KV BREAKERS ALONG WITH CT / PT/METER	No.	197	788.00	87	348.00	284	1136.00
11 KV Metering Unit with Static Trivector Meter-25/5	No.	19	9.50	0	0.00	19	9.50
11 KV Metering Unit with Static Trivector Meter-15/5	No.	83	41.50	0	0.00	83	41.50
200/5 CT	No.	450	49.50	494	54.34	944	103.84
100/5 CT	No.	0	0.00	42	4.62	42	4.62
50/5 CT	No.	0	0.00	254	27.94	254	27.94
Consumer Metering SINGLE PHASE	No.	47654	714.81	53707	993.11	101361	1707.92
Consumer Metering SINGLE PHASE with pole top unit	No.	0	0.00	20000	800.00	20000	800.00
Consumer Metering THREE PHASE	No.	51	4.08	60	4.80	111	8.88
Prepaid metering	No.	2000	100.00	49955	2497.75	51955	2597.75
Smart Metering	L.S	0	0.00	0	105.00	0	105.00
Boundary Wall DISTRIBUTION SS	No.	0	0.00	40	20.00	40	20.00
New Primery S/SWITH 1X5 MVA	No.	11	1375.00	9	1125.00	20	2500.00
Power Transformers UP-RATING TO 8 MVA	No.	8	480.00	6	360.00	14	840.00
Power Transformers UP-RATING TO 5 MVA	No.	25	1125.00	26	1170.00	51	2295.00
Provision of 4 pole str. With 11kv AB Switch	No.	3	3.30	1	1.10	4	4.40
Provision of DP With 11kv AB Switch	No.	1	0.40	2	0.80	3	1.20
Capacitor Banks on the LT Side of DTRs For 100 KVA Sub-Station	No.	0	0.00	600	240.00	600	240.00
Capacitor Banks on the LT Side of DTRs For 63 KVA Sub-Station	No.	0	0.00	300	90.00	300	90.00
Capacitor Banks in the Town Feeder	L.S	0	0.00	0	80.00	0	80.00
Conversion of Existing 11kv Over Head Line to Under ground Cable at Gopalpur	L.S	0	0.00	1	100.00	1	100.00
IT Implementation(Consumer Indexing & Data Concentrator Unit)	L.S	0	0.00	0	1325.00	0	1325.00
MRT testing kit & Equipments	L.S	0	10.50	0	137.50	0	148.00
New Distribution sub-station-100kva	No.	0	0.00	49	107.80	49	107.80
Upgradation of Distribution sub-station to 100kva	No.	0	0.00	73	94.90	73	94.90
Upgradation of Distribution sub-station to 315kva	No.	0	0.00	74	318.20	74	318.20
Upgradation of Distribution sub-station to 500kva	No.	0	0.00	2	13.00	2	13.00
Replacement of damaged Pole & provision of Intermittant pole on the existing line	No.	15	0.60	1855	74.20	1870	74.80
Earthing of 33/11 kv S/S	L.S	0	0.00	0	55.90	0	55.90
Civil work	L.S	0	0.00	0	43.70	0	43.70
Renovation of lines & S/S	L.S	0	0.00	0	60.00	0	60.00
Renovation of Field Unit	L.S	0	0.00	0	58.00	0	58.00
Strengthening of Distribution S/S	L.S	0	0.00	0	53.00	0	53.00
<b>TOTAL COST</b>			<b>13325.01</b>		<b>17424.99</b>		<b>30750.00</b>

2. The Commission heard the matter on 17.8.2012 & 18.8.2012 and enquired about the inclusion of three phase and single phase meter in the Capex programme as the cost of the meter can be reimbursed from the consumers. Commission further made the following queries on the date of hearing.

- (i) The arrangement of counter part funding by the DISCOMs.
- (ii) Location wise work i.e. Division wise and Sub-division wise to find a place in the DPR.

In response to the queries made by the Commission WESCO submitted the revised DPR after deducting the provision of energy meter from the original proposal. The other two companies i.e. NESCO & SOUTHCO have shown consumer metering as item in their DPR. Regarding location wise details, NESCO subsequently on 22.8.2012 submitted Division wise work details as part of DPR. WESCO & SOUTHCO have not submitted yet.

3. The Commission after going through details of the DPR passed the following directions:-

- (1) How do the companies planned to go ahead with the work proposed for 2012-13 & 2013-14 (Phase II) along with approved work of 2010-11 & 2011-12 (Phase I), since the work of phase I is yet to commence. A detailed report in this regard is to be submitted.
- (2) Steps taken for arranging counterpart funding by the DISCOMs for the proposed project.
- (3) Location wise work (Division wise & sub-division wise) should find a place in the DPR.
- (4) The Commission further directs to submit the detailed time schedule of the project execution of Phase-I & Phase-II (2012-14) along with the capitalization programme. Once the information is received, Commission will accord necessary approval of the Capex programme for 2012-13 & 2013-14.

Sd/-  
**(S.P. Swain)**  
Member

Sd/-  
**(B.K. Misra)**  
Member

Sd/-  
**(S.P. Nanda)**  
Chairperson