

**ORISSA ELECTRICITY REGULATORY COMMISSION**  
**BIDYUT NIYAMAK BHAVAN**  
**UNIT - VIII, BHUBANESWAR - 751 012**  
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**No.DIR (T)-370/09/  
Dated- .07.2011**

From

Shri P K Swain  
Secretary

To

The Chief Executive Officer,  
WESCO, Burla, Sambalpur

Sub: **Review of Performance of WESCO for the FY 2010-11, taken up on 26.05.2011.**  
Sir,

In inviting a reference to the subject cited above, I am directed to send herewith the aforesaid report for your information and necessary action.

Yours faithfully,

Encl : As above.

**SECRETARY**

**Copy to:**

- i) The Principal Secretary, Department of Energy, Govt. of Orissa along with copy of the enclosure for favour of information.
- ii) The CMD, GRIDCO, Janpath, Bhubaneswar along with copy of the enclosure for favour of information.
- iii) The CMD, OPTCL, Janpath, Bhubaneswar along with copy of the enclosure for favour of information.

**Minutes of Performance Review of WESCO  
from April, 10 to March, 2011 held in OERC on 26.05.2011**

Date of Review : 26.05.2011 at 11.00 AM

Period of Review : From April, 2010 to March, 2011

Representative of WESCO, GRIDCO, OPTCL & DoE, GoO present during the review:

- (i) Shri P G Reddy, CEO, WESCO
- (ii) Shri S K Patel, WESCO
- (iii) Shri K C Nanda, DGM, WESCO
- (iv) Shri A N Sahoo, GM (EHT), O&M, OPTCL
- (v) Shri J Bastia, GM, EHT (O&M), Circle Burla, OPTCL
- (vi) Shri S. Pradhan, Dy. Secretary, DoE, GoO

1. Shri P G Reddy, CEO, WESCO made a presentation before the Commission about the performance of WESCO during the period from April, 2010 to March, 2011 as per the agenda items indicated by the Commission. Commission's Observations on Licensee's Performance in brief are as follows:

**(A) PERFORMANCE OF WESCO**

**Sales Analysis of WESCO**

2. The Commission noted that during the period under review the energy purchase by the licensee was found to be 6421.89 MU compared to the target of the Commission at 6244.00 MU for FY 2010-11 resulting in a net increase of 2.85 % from the target of the Commission. At the same time, the net sales by the licensee has been lower less by 20.41 % at 3979.39 MU compared to the target of the Commission of 4999.80 MU for FY 2010-11. However, compared to the input and sales of previous year i.e. FY 2009-10, the purchase decreased by 1.93 % compared to increase in sales by 2.70%. The licensee has achieved 88.58% collection compared to the target fixed by the Commission. There has been a decrease 8.01% in EHT sales and 4.24% decrease in LT sales against 7.14% rise in LT sales compared to the last financial year. Accordingly, the share of EHT to total sales has been decreased from 38.80% in FY 2009-10 to 36.638% in FY 2010-11. The share of HT has remained more or less same while the share of LT has increased from 26.38% during 2009-10 to 29.05% during the current financial year.

<b>SALES ANALYSIS OF WESCO-FY-2010-11</b>								
	<b>INPUT</b>	<b>TOTAL SALES</b>	<b>EHT</b>	<b>% to Total Sales</b>	<b>HT</b>	<b>% to Total Sales</b>	<b>LT</b>	<b>% to Total Sales</b>
Target	6244.00	4999.80	1383.00	27.66%	1563.00	31.26%	2053.80	41.08%
Achievement	6421.89	3979.39	1459.62	36.68%	1363.67	34.27%	1156.10	29.05%
% Achieved	102.85%	79.59%	105.54%		87.25%		56.29%	
Achieved Last Year	6299.99	4089.90	1586.77	38.80%	1424.02	34.82%	1079.11	26.38%
Change Compared to Last Year	1.93%	-2.70%	-8.01%	-2.12%	-4.24%	-0.55%	7.14%	2.67%
<b>COLLECTION</b>								
Target		1605.65	583.95		642.33		379.37	
Achievement		1422.27	617.94		552.27		252.05	
% Achieved		88.58%	105.82%		85.98%		66.44%	

**Loss Analysis of the WESCO**

3. While analyzing the reduction loss target achieved by the licensee it is noticed that the overall distribution loss achieved by the licensee is 38.03 % compared to 34.68% during FY 2009-10 resulting in increase of overall loss by 3.35 %. This is really shameful. The huge increase in overall loss is due to low level of HT and EHT sales compared to higher LT sales without improvement in collection efficiency by the licensees compare to the last financial year as observed in Para 2. It is observed that LT loss has been increased from 62.49% during FY 2009-10 to 63.89 % during FY 2010-11 – a net increase by 1.40%. With regard to the performance in achieving AT&C loss it is observed that WESCO has achieved an overall AT&C loss of 42.15% compared to 35.74% during FY 2009-10 resulting in a huge increase of AT&C loss by 6.41% compared to the last financial year. The high level of AT&C loss is due to very low level of collection efficiency as well as billing efficiency by the licensee. The billing Efficiency achieved by the licensee is 61.97% only compare to 65.32% during the last financial year i.e. 2009-10. Similarly, the collection efficiency during 2010-11 is 93.38% compared to 98.38% during the last financial year showing deterioration of collection efficiency by 5.01%. It is astonishing that the collection efficiency in HT and EHT has reduced drastically by 3.34% and 5.97% respectively. The inescapable conclusion is stealing of electricity by high end consumers with active connivance of the employees at different level and the top management sitting as silent spectator.

<b>PERFORMANCE OF WESCO-LOSS</b>					
	<b>Actual 2009-10</b>	<b>Actual 2010-11</b>	<b>OERC Target 2010-11</b>	<b>Deviation from OERC Target</b>	<b>Deviation from last year</b>
<b>LOSS (%)</b>					
LT	62.49%	63.89%	29.40%	34.49%	1.40%
HT & LT	46.90%	49.22%	25.60%	23.63%	2.32%
OVERALL	34.68%	38.03%	19.93%	18.11%	3.35%
<b>BILLING EFFECIENCY (%)</b>					
HT	92.00%	92.00%	92.00%	0.00%	0.00%
LT	37.51%	36.11%	70.60%	-34.49%	-1.40%
HT & LT	53.55%	50.78%	74.40%	-23.63%	-2.77%
OVERALL	65.32%	61.97%	80.07%	-18.11%	-3.35%
<b>COLLECTION EFFICIENCY (%)</b>					
EHT	105.02%	99.06%	98.00%	1.06%	-5.97%
HT	102.39%	99.05%	98.00%	1.05%	-3.34%
LT	76.01%	73.74%	98.00%	-24.26%	-2.27%
HT & LT	93.28%	89.43%	98.00%	-8.57%	-3.84%
OVERALL	98.38%	93.38%	98.00%	-4.62%	-5.01%
<b>AT &amp; C LOSS (%)</b>					
LT	71.49%	73.37%	30.81%	42.56%	1.88%
HT & LT	50.06%	54.59%	27.08%	27.50%	4.53%
OVERALL	35.74%	42.14%	21.53%	20.61%	6.40%

**Performance of Divisions:**

4. The divisional performance sheet of WESCO shows that overall LT Realization to input for all divisions taken together has increased from 65.59 Paise during the FY 2009-10 to 78.71 Paise during the period FY 2010-11. The increase in realization per input is around 20% compared to the overall RST rise of 22.2% during FY 2010-11. The most efficient division in terms of reduction of AT&C loss is found to be

Deogarh where the overall AT&C loss has been reduced by 3.56%. Except Deogarh non of the divisions has shown improvement of AT&C loss. It is shameful that AT&C LT loss in urbanized divisions like Jharsuguda and Sambalpur East has increased by 10.08% and 7.14% respectively. The CEO must initiate stern action against the non-performing divisional heads.

**Concrete action taken in this regard against the non-performing and poor performing official and staff should be reported to the Commission by 31.07.2011.**

LT PERFORMANCE OF WESCO FOR FY 2010-11 (APRIL - MARCH)									
Considering HT Loss @8%		FY 2010-11		FY 2009-10		Change in AT & C Loss overall	Collection Per Unit-LT For 2010-11 (Paise)	Collection Per Unit-LT For 2009-10 (Paise)	Percentage Change
Sl. No.	Name of Division	AT & C Loss (%)		AT & C Loss (%)					
		LT	Overall	LT	Overall				
	OERC TARGET	40.54%	21.53%				112.07	93.04	20.45%
1	BARGARH(W)	84.33%	82.70%	80.20%	79.00%	3.70%	39.44	39.66	-0.55%
2	NUAPADA	81.84%	81.17%	78.80%	78.10%	3.07%	52.13	49.00	6.38%
3	SONEPUR	79.46%	77.05%	75.70%	73.50%	3.55%	48.92	49.92	-2.01%
4	BARGARH	79.11%	67.75%	80.10%	63.10%	4.65%	57.75	43.85	31.71%
5	BOLANGIR	78.51%	75.25%	74.60%	71.70%	3.55%	62.38	58.54	6.55%
6	SUNDERGARH	75.28%	59.75%	71.20%	53.80%	5.95%	68.69	57.23	20.03%
7	SAMBALPUR	74.34%	60.05%	72.50%	60.10%	-0.05%	82.35	67.62	21.78%
8	TITLAGARH	73.27%	63.80%	70.00%	60.50%	3.30%	73.89	69.54	6.25%
9	KWED	72.65%	74.76%	7.60%	72.90%	1.86%	77.80	68.04	14.35%
10	DEOGARH	69.69%	50.34%	67.50%	53.90%	-3.56%	83.36	71.17	17.13%
11	JHARSUGUDA	69.52%	22.88%	73.50%	12.80%	10.08%	91.87	59.54	54.29%
12	SAMBALPUR(E)	69.50%	57.34%	67.80%	50.20%	7.14%	97.43	78.30	24.42%
13	KEED	66.61%	62.58%	64.50%	60.40%	2.18%	100.63	85.91	17.14%
14	ROURKELA	64.87%	37.78%	61.70%	33.00%	4.78%	109.63	88.87	23.36%
15	RAJGANGPUR	60.53%	12.45%	57.60%	9.80%	2.65%	132.37	113.90	16.21%
<b>TOTAL</b>	<b>WESCO</b>	<b>73.38%</b>	<b>42.15%</b>	<b>71.49</b>	<b>35.74</b>	<b>6.41</b>	<b>78.71</b>	<b>65.59</b>	<b>20.00%</b>

### Arrear Analysis

- The performance sheet of WESCO depicts that WESCO has an arrear of Rs.929.06 cr. as on 31.03.2011 compared to the outstanding arrear of Rs.828.17 cr. as on 31.03.2010 resulting a net increase of Rs.100.90 cr. The net addition of arrear by Rs.10.90 crore was due to an increase in arrear in LT, HT, EHT and Govt. Dept. by Rs.83.55 cr., Rs.3.59 cr., Rs.5.87 cr. and Rs.7.88 crore respectively. It is shameful that despite repeated instruction from Commission the licensee is continuing addition of arrears from year to year. During the current financial year the arrear added is Rs.100.90 cr. against collection of arrear of of Rs.26.72 cr. during the current financial year.

STATUS OF ARREAR-WESCO								
Category	Arrear as on 31-03-2010	Billing for the period 2010-11	Collection against current dues 2010-11 against '4'	Collection against arrear during 2010-11 against '3'	Total collection	Arrear for the period 2010-11	Arrear as on 31-03-2011	Net Arrear Added
1	2	3	4	5	6=4+5	7=3-4	8=2+3-6	9=8-2
EHT	-12.63	623.85	617.95	0.02	617.98	5.90	-6.76	5.87
HT	13.30	545.68	536.17	5.92	542.09	9.51	16.89	3.59
LT	758.02	321.51	220.00	17.96	237.95	101.51	841.57	83.55
Govt & PSU	69.48	32.22	21.52	2.82	24.34	10.70	77.35	7.88
<b>Grand Total</b>	<b>828.17</b>	<b>1523.26</b>	<b>1395.64</b>	<b>26.72</b>	<b>1422.36</b>	<b>127.62</b>	<b>929.06</b>	<b>100.90</b>

### Addition of Infrastructure and Metering

6. During the period under review the number of consumers in WESCO has increased from 569148 to 632622, an increase of 11.15% compared to the last financial year i.e. FY 2009-10. The number of 33 KV feeders has been reoriented to 90 as on 31<sup>st</sup> March, 2011. A number of 33 KV metering has increased from 85 as on 31.03.2010 to 89 as on 31.03.2011. There was a net increase of 15.60% in the number of distribution transformers of the licensee (from 18565 to 21461 as on 31.03.2011). However, the number of distribution transformer metering position has remained same. The licensee has to go a long way in attaining 100% metering of distribution transformer. However, what is worrying is the increase in defective meters.

<b>SYSTEM and FEEDER METERING</b>	<b>As on 31st Mar,2010</b>	<b>As on 31st Mar, 2011</b>	<b>Percentage Change</b>
CONSUMER STATUS	569,148	632,622	11.15%
Length of 33 KV Line (km.)	4,180.08	4,267.29	2.09%
Length of 11 KV Line (km.)	22,738.15	23,954.20	
Length of LT KV Line (km.)	16,858.93	17,162.07	
No. of 33 KV feeders (excluding GRIDCO interface)	85.00	90.00	5.88%
No. of 33 KV feeder metering	85.00	89.00	4.71%
No. of 11 KV feeders	466.00	491.00	5.36%
No. of 11 KV feeder metering	451.00	491.00	8.87%
No. of 33 / 11 kv transformers	261.00	262.00	0.38%
No. of 33/11 kv transformer metering position	-	-	
No. of distribution transformers ( 11/0.4 & 33/ 0.4 kv)	18,565.00	21,461.00	15.60%
No. of distribution transformer metering position	12,558.00	12,558.00	0.00%
<b>METERING POSITION</b>			
Total number of meters	549,845.00	623,076.00	13.32%
No. of working meters	539,311.00	560,753.00	3.98%
Percentage of working meters ( % )	98%	90%	-8.16%
No. of defective meters	10,534.00	62,326.00	491.67%
Replacement of defective meters	14,712.00	30,176.00	105.11%

### Quality of Supply and System Improvement

7. The CEO WESCO stated that they have taken several steps to improve the quality of supply to the consumers. With their top priority in maintenance of transformers the number of failure in power and distribution transformers burning has been reduced by 31.58% and 29.92% respectively leading to a net decrease in cost by 30.03%. However, the performance of licensees in improving system network has deteriorated during the period of review.

<b>QUALITY OF SUPPLY</b>	<b>As on 31st Mar,2010</b>	<b>As on 31st Mar,2011</b>	<b>Percentage Change</b>
Failure of Power Transformers	19	13	-31.58%
No. of transformers burnt	1514	1061	-29.92%
Cost involved (Cr.)	3.03	2.12	-30.03%
No of Interruptions in 33 KV Feeders	11016	5293	-51.95%
No of Interruptions in 11 KV Feeders	75306	38140	-49.35%
No. of Grievances received	8971	5325	-40.64%
Disposed through CHP including Bijuli Adalat	7361	4248	-42.29%
<b>SYSTEM IMPROVEMENT WORKS DURING REVIEW PERIOD</b>			
Installation of New Transformers	146	102	-30.14%
Upgradation of Transformers	170	93	-45.29%
Installation of Pillar Box	63	21	
Length of AB Cable Laid	28.83	11.65	-59.59%
Conversion of Single Phase to Three Phase Lines	29	20	-31.03%

## **(B) SECTORAL ANALYSIS**

### **Sales Analysis of the Sector**

8. A glance to the input to the sector as whole shows a rise of 8.34% in purchase of energy by the licensee i.e from 19484.81 MU in the year 2009-10 to 21109.48 MU during FY 2010-11 but there is no corresponding increase in sales because the sales by the licensee shows an increase of energy by 7.13% i.e. from 12228 MU in the year 2009-10 to 13099.73 MU during FY 2010-11. The more purchase and less sale means more loss which is a matter of great concern. The rise in 7.13% in sales achieved mainly due to the increased sales in EHT and LT by 11.22% and 11.53% respectively during FY 2010-11. A cursory look into the ratio of LT to total sales shows that SOUTHCO has the highest dependency in LT sales followed by CESU, NESCO and WESCO at 63.8 %, 48.42 %, 33.02 % and 29.02 % respectively.

<b>PERFORMANCE OF DISTCOS (ALL ORISSA)-Sales</b>							
<b>Purchase (MU)</b>	<b>CESU</b>	<b>NESCO</b>	<b>WESCO</b>	<b>SOUTHCO</b>	<b>Total Purchase During FY-2010-11</b>	<b>Total Purchase During 2009-10</b>	<b>Change Comp. to 2009-10</b>
<b>Total Purchase</b>	7,069.31	5,067.40	6,421.89	2,550.88	21,109.48	19484.81	8.34%
<b>SALE (MU)</b>	<b>CESU</b>	<b>NESCO</b>	<b>WESCO</b>	<b>SOUTHCO</b>	<b>Total Sales During FY-2010-11</b>	<b>Total Sales During FY-2009-10</b>	<b>Change Comp. to 2009-10</b>
EHT	1,397.23	1,777.48	1,459.62	278.53	4,912.86	4417.09	11.22%
HT	852.22	523.53	1,363.67	200.17	2,939.59	3106.27	-5.37%
LT	2,111.99	1,134.58	1,156.10	844.61	5,247.28	4704.64	11.53%
<b>Total</b>	<b>4,361.44</b>	<b>3,435.59</b>	<b>3,979.39</b>	<b>1,323.30</b>	<b>13,099.73</b>	<b>12,228.00</b>	<b>7.13%</b>

### **Growth of Categories and their Consumption**

So far LT Sales are concerned it has been observed that during the year under review there was an increase of 11.38 % in domestic consumers while their consumption has been increased by 10.35 %. The kutir jyoti consumption of all DISCOMs are not submitted by the licensees. Only in case of allied agro consumers the consumption is less compared to the increase in numbers. The licensees should look into this sector. Moreover it is observed that the average consumption by domestic consumers has increased from 96 units per months during 2009-10 to 100 units during 2010-11.

### **All Orissa Consumers & Consumptions on LT Sector**

<b>Category</b>	<b>As on 31st March-2010</b>		<b>As on 31st March-2011</b>		<b>% increase in consumers</b>	<b>% Increase in consumption</b>
	<b>No. of Consumer as on March,10</b>	<b>Consumption (MU)</b>	<b>No. of Consumer as on March,11</b>	<b>Consumption (MU)</b>		
Domestic	2617264	3,188.89	2915066	3,518.90	<b>11.38%</b>	<b>10.35%</b>
KutirJyoti	0	-	65070	12.15		
L.T. General (Com)	238169	820.76	253638	962.64	6.49%	17.29%
Irrigation	35729	148.64	36261	170.34	1.49%	14.60%
Agro	46	2.00	102	4.73	121.74%	136.84%
Allied Agro	42	1.30	94	1.91	<b>123.81%</b>	<b>46.73%</b>
Street Lighting	1526	56.39	1542	58.06	1.05%	2.97%
PWW	6993	93.90	8051	108.21	15.13%	15.24%
Small Industry	18664	114.07	18675	112.34	0.06%	-1.52%
Medium Industry	4174	204.91	4521	215.74	8.31%	5.28%

Specified Pub. Purp	18755	73.34	20597	81.91	9.82%	11.68%
General Purpose	1	0.18	1	0.14	0.00%	-24.51%
Large Industry	1	0.29	4	0.33	300.00%	10.98%
<b>TOTAL L.T.</b>	2941364	4,704.67	3323622	5,247.38	13.00%	11.54%
HT	2039	3106	2245	2938.92	10.10%	-5.38%
EHT	75	4417.09	84	4912.87	12.00%	11.22%
<b>TOTAL</b>	2943478	12,227.76	3325951	13,099.17	12.99%	7.13%

### **Collection of Arrear Analysis of the Licensee vis-à-vis the sector**

9. During the period under review the net arrear of all the DISCOMs taken together has increased from Rs.3494.55 Crore as on 31.03.2010 to Rs. 3772 Crore as on 31.03.2011 i.e the Opening Balance has increased by 7.97 %. The major contribution in the net addition of to Rs. 278.56 Cr. has come from WESCO followed by CESU, NESCO & SOUTHCO with Rs. 36.22%, 25.84%, 25.47%, & 12.47% respectively. Against the arrear addition of Rs. 278.56 Cr. by all DISCOMs the arrear collection has been found to be Rs. 119.30 Cr. only. In arrear collection efficiency performance of CESU is found to be the best followed by SOUTHCO & WESCO. The arrear collected as percentage of the addition of the arrear during FY 2010-11 is of the order of 88.38% for CESU, 69.33% for SOUTHCO, 26.49% by WESCO and 15.00% by NESCO. NESCO is the worst performer with collection of only 15 % of the arrear added by the licensee. CESU has fared better than others by adding arrear the least (5.23%) to its Opening Balance followed by 8.15%, 8.29% and 12.18% by NESCO, SOUTHCO and WESCO respectively.

#### **PERFORMANCE - ARREAR**

DISCOM	Arrear as on 31.03.2010	Arrear Added	Arrear Collected	Net added during the Year	Net Arrear as on 31.03.2011	Contribution of DISCOM in arrear addition to total	Addition of arrear as % of OB	Collected amount as % of arrear added
CESU	1375.48	129.83	57.85	71.98	1447.46	25.84%	5.23%	80.38%
NESCO	870.81	122.48	10.64	70.95	941.76	25.47%	8.15%	15.00%
WESCO	828.17	97.95	26.72	100.90	929.06	36.22%	12.18%	26.49%
SOUTHCO	419.09	58.82	24.09	34.74	453.83	12.47%	8.29%	69.33%
<b>TOTAL</b>	3493.55	409.08	119.30	278.56	3772.10	100.00%	7.97%	42.83%

### **Performance Analysis of WESCO vis-à-vis the sector as a whole**

10. It is observed that the LT AT&C loss achieved by all the four licensees has increased by 2.04% i.e. from 61.67% during the year 2009-10 to 63.71% during FY 2010-11. The major contributor to increase in LT AT&C loss has come from CESU where LT AT&C loss has increased by 2.90% followed by WESCO and SOUTHCO where the LT AT&C loss has increased by 1.88% and 1.44% respectively compared to the year 2009-10. It is observed that while the LT distribution loss has increased in WESCO by 1.40% all other DISCOMs have performed well in reducing LT distribution loss. The increase in LT AT&C loss by 2.04% against a net decrease in LT distribution loss by 0.13 % was due to decreased LT collection efficiency by the licensees. So far the overall AT&C loss is concerned WESCO has performed worst with increased AT&C loss of 6.40% (42.14% - 35.24%) while CESU has performed the best by decreasing the same by 0.19% (41.00% - 41.19%). So far the overall realization per unit input achieved by the licensees are concerned CESU and NESCO fared better compared to the target fixed by the Commission by achieving 94.22% and 89.38% respectively. The performance of WESCO is again worst in this parameter. It has achieved 86.13%

of the target realization during the FY 2010-11 compared to 99.31% during the year 2009-10 thereby reducing the realization by 13.34%. With regard to the LT target realization compared to the target of the Commission, all DISCOMs have fared well compared to their performance during 2009-10, with an average increased achievement of 11.26%. In this respect NESCO is a better performer which has increased target realization of 13.34% i.e. from 57.19% during first half of the year 2010-11 to 70.53% during the entire year. Considering the achievements of all DISCOMs the Commission feels that CESU has performed relatively better than others since the achievement of CESU during FY 2009-10 includes collection under OTS scheme. Among the Reliance DISCOMs NESCO has fared better than SOUTHCO and WESCO in that order. But systematic approach is wanting in respect of all DISCOMs to enforce collection of arrears following the prescribed procedure for disconnection of power supply in case of default in payment of the dues.

<b>PERFORMANCE OF DISCOMs-AT A GLANCE</b>								
<b>OVERALL PERFORMANCE</b>								
	<b>2009-10</b>	<b>2010-11</b>		<b>Change compared to Last Year</b>	<b>2009-10</b>	<b>2010-11</b>		<b>Change compared to Last Year</b>
	<b>Actual</b>	<b>OERC Approval</b>	<b>Actual</b>		<b>Actual</b>	<b>OERC Approval</b>	<b>Actual</b>	
	<b>DISTRIBUTION LOSS</b>				<b>AT &amp; C LOSS</b>			
CESU	39.43%	25.37%	38.30%	-1.13%	41.19%	26.86%	41.00%	-0.19%
NESCO	32.52%	18.46%	32.20%	-0.32%	35.73%	20.09%	36.04%	0.31%
WESCO	34.68%	19.93%	38.03%	3.35%	35.74%	21.53%	42.14%	6.40%
SOUTHCO	48.02%	27.82%	48.12%	0.10%	50.16%	29.27%	52.04%	1.88%
ORISSA	37.24%	22.22%	37.94%	0.70%	39.15%	23.77%	41.48%	2.33%
	<b>LT PERFORMANCE OF DISCOMs</b>							
	<b>LT DISTRIBUTION LOSS</b>				<b>AT &amp; C LOSS</b>			
CESU	51.97%	29.40%	51.63%	-0.34%	53.65%	30.81%	56.55%	2.90%
NESCO	55.83%	29.40%	54.67%	-1.16%	65.80%	30.81%	65.73%	-0.07%
WESCO	62.49%	29.40%	63.89%	1.40%	71.49%	30.81%	73.37%	1.88%
SOUTHCO	56.22%	29.40%	55.32%	-0.90%	59.39%	30.81%	60.83%	1.44%
ORISSA	56.26%	29.40%	56.13%	-0.13%	61.67%	30.81%	63.71%	2.04%
	<b>REALIZATION PER UNIT INPUT (RPI) OF DISCOMS</b>							
	<b>OVERALL(2009-10)</b>			<b>OVERALL (2010-11)</b>			<b>Growth</b>	
	<b>Target</b>	<b>Achieved</b>	<b>% Realised</b>	<b>Target</b>	<b>Achieved</b>	<b>% Realised</b>		
CESU	201.72	177.33	87.91%	236.73	223.05	94.22%	<b>6.31%</b>	
NESCO	192.07	189.11	98.46%	260.69	233.00	89.38%	-9.08%	
WESCO	203.13	201.73	99.31%	257.15	221.47	86.13%	-13.19%	
SOUTHCO	169.44	144.98	85.56%	196.07	166.64	84.99%	-0.58%	
ORISSA	196.32	180.89	92.14%	244.37	216.43	88.57%	-3.57%	
	<b>LT-FY (2009-10)</b>			<b>LT-FY (2010-11)</b>				<b>BSP+Tr</b>
	<b>Target</b>	<b>Achieved</b>	<b>% Realised</b>	<b>Target</b>	<b>Achieved</b>	<b>% Realised</b>	<b>Change</b>	
CESU	174.90	122.00	69.75%	174.9	143.87	82.26%	12.51%	180.5
NESCO	143.20	81.10	56.63%	143.2	101.00	70.53%	<b>13.90%</b>	218.5
WESCO	130.40	66.40	50.92%	130.4	78.73	60.37%	9.45%	217.5
SOUTHCO	143.70	102.20	71.12%	143.7	119.02	82.83%	11.71%	113.5
ORISSA	154.76	95.36	61.62%	154.76	112.79	72.88%	11.26%	193.75



## **OBSERVATIONS**

While looking in to the performance of the sector during the period under review following points were observed by the Commission.

1. While LT sales increased by 11.53% LT AT&C loss increased by 2.04% (63.71% in 2010-11 – 61.67% in 2009-10)
  2. Although AT&C loss in LT increased by 2.04% the LT realization target achieved by the licensees as a whole has been increased by 11.26%. (72.88% - 61.62)
  3. The arrear Opening Balance was 3494.55Cr as on 31<sup>st</sup> March 2010. The growth of arrear during 1<sup>st</sup> half of the FY 2010-11 was Rs337.74Cr i.e 9.66% of the Opening Balance. The growth at the end of the Financial Year 2010-11 stood at Rs 278.56 Cr ( i.e 7.97% of OB) there-by a net reduction of arrear during the 2<sup>nd</sup> Half of the Financial Year.
- (C) **Compliance to the action points outlined by the Commission in the performance review meeting for FY 2010-11(Up to Sept) during the month of December 2010.**

### **Fixation of Responsibility & Accountability**

11. **Directives:**

Strict administrative action must be taken against errant and callous employees as provided under service code. Performance review of employees after attaining the age of 50 years and compulsory retirement to the non-performing/poor performing officials should be initiated.

**Achievement:**

The performance of employees & executives are being reviewed on periodical basics. During Last 3 years there is no such case of compulsory retirement. The performances of executives are closely monitored. Regular counseling & mentoring is done at executives level so as to improve the overall performance.

**Further Directives:**

**Action reported to have been taken is merely an eyewash. The Commission reiterated the earlier directives in fixing the responsibility and accountability and instructed to speed up the compulsory retirement of the non-performing and poor performing officials. Suspending to-day and reinstating tomorrow with out any disciplinary action is no action against the earning officers.**

### **Load Verification of Feeders**

12. **Directives:**

DISCOMs must submit the load verification report of all feeders up to 440 volt /LT before next review meeting and match it with the load of the consumers.

**Achievement:**

All the section officer under wesco have been instructed to carry out the load survey in all section head quarters. The action has been initiated in April-11.

**Further Directives:**

**The Commission being dissatisfied with the reply of the licensees instructed to expedite the process of load verification starting from 440 Volt LT network to 33 KV incoming feeders taking each 33/11 KV s/s as one unit.**

### **Submission of cost Data**

13. **Directives:**

Cost Data upto 2009-10 should be submitted before 29th February'2011.

**Achievement:**

Rate of materials containing PO details had been forwarded to Engineer in chief office,Bhubanswear for preparation of cost data.The same is awaited.

**Further Directives:**

**The DISCOMs should also submit the copy of the above cost data before the Commission. With FY 2010-11 being over, the licensees should have been submitted their Cost data for the completed year FY 2010-11 well before the end of the year i.e 31<sup>st</sup> March 2011. This should be submitted before 25.07.2011. Full authority should be delegated to the CEO and the field functionaries below him to ensure completion of deposit works in time and take up the repair and maintenance at the field level. Power should not be concentrated at the level of CSO in the matter of sanction of DPR, fund and release of money for timely payment at the local level.**

### **Delegation of Power**

14. **Directives:**

The delegation of technical, financial and administrative matter should be finalised before 28.02.2011

**Achievement:**

The delegation of power to technical/financial/administrative personel is in practice as per prevalent rule.

**Further Directives:**

**The Commission instructed to enhance the delegation of power of all Executives starting from grass route level well before the implementation Capex programme undertaken by Govt. of Orissa.**

### **Preparedness of DISCOMS to utilize Capex**

15. **Directives:**

DISCOMs were advised to prepare ring fenced projects along with their base line data and submit before the Commission.

**Achievement:**

The investment proposal for FY 2010-11 & FY 2011-12 as a part of WESCOs CAPEX programe 2010-14 has already submitted to Hon'ble Commission on20.10.2010

**Further Directives:**

**The Commission expressed dissatisfaction of incompleion information. The name of area where the ring fencing is attempted along with base line date of energy input, energy billed and collection figure are not given with the calculation of base line date. The Commission directed to submit the details base line data of the ring fenced area prepared so far by 31<sup>st</sup> July 2011.**

### **Reduction of AT&C loss**

16. Directives:-

- a) The LT loss reduction for FY 2010-11 should not be less than 10%
- b) Divisions with LT loss more than 50% should achieve minimum 10% LT loss during FY 2010-11
- c) Verification of load and contract demand for all high valued consumers with CD>20KW and covering under AMR.
- d) Voluntary declaration of contract demand of residential premises of the DISCOM employees

Achievement:

Against the direction of the Commission to achieve 10% LT loss by the licensee, the licensee has increased AT&C loss by 6.40% and many of the divisions have increased AT&C LT loss ranging from 5% to 10%.

Regarding verification of load and contract demand of all high valued consumers with CD more than 20 KW, the CEO, WESCO stated that The maximum demand of the all consumers having CD more than 20 KW are being monitored regularly and accordingly CDs are enhanced. More over MRT wings are conducting physical verification of consumer premises. The category wise no of enhancement of contract demand are as follows . Domestic category 4, Bulk domestic 16, General purpose 158, Public lighting 5, Medium Industry 574, Specific Public Purpose 37, Small industries 7, Public Water Works 21, Allied agricultural 6, Agro industrial 2, Large Industry 30, General purpose (HT).

Regarding voluntary declaration of contract demand of residential premises of the DISCOM employees, the CEO Stated that employees and consumers are advised to declare their load particulars in nearest section/subdivision office through a press note released in local news papers on 25th Mar-2011

The Commission observed that SEs and EEs have failed to achieve the target of collection and reduction of loss should be sacked. It is not understood why so casual attitude is being shown by CEO as well as MD to the poor and non-performance officials.

**Further Directives:**

**The Commission expressed displeasure over the performance of the licensees and reiterated earlier target of loss reduction during the current FY 2011-12. Prompt follow up action should be taken to collect the balance penal amount. Expeditious action should be taken for vacation of stays granted in the matter of collection of electricity charges including the amount assessed under Section 126 and the DPS if any.**

**Cross checking of meter readings**

17. Directives:

DISCOMs were directed to submit the revenue generated by cross-checking of meter reading.

Achievement:

The revenue generated by cross-checking of meter readings resulted in billing of additional 11.32 MU amounting to Rs 2.72 Crs Apprx.

**Further Directives:**

The Commission expressed displeasure over the performance of the licensees and reiterated earlier direction of cross checking of meter reading by setting up an analysis wing comprising of MRT squad. Prompt follow up action should be taken to collect the penal amount. It may be further ensured that whether suppressed units are being billed and the electricity charges have been collected or not.

**LT collection LT input (Realization per Input)**

18. Directives:

The licensees were instructed to increase Collection Per unit LT Input to match with their respective BST figures.

Achievement:

The realization cost per LT input has increased from 65.59 paise during FY 2009-10 to 78.71 paise in FY 2010-11 thereby achieving an increase 20.00% against a tariff hike up 22.5% during FY 2010-11. Against the BST of WESCO i.e. 217.50 paise per unit none of the division has achieved the target of the Commission. It is the matter of concern that despite several instructions from the Commission realization per LT input has remained at around 20% of the BST in many division likes Bargada West, Nuapada, Sonapur, Bargarh, Bolangir, Sundergarh..

**Further Directives:**

The realization made by all divisions of WESCO is far from satisfactory. The concerned Executive Engineer be asked to give report in detail of their poor performance and their suggestion/action initiated for improvement with timelines to achieve the target, failing which appropriate action be initiated.

**Separate target for collection of Current and Arrear revenue and Improvement of Collection Efficiency.**

19. Directives:

The DISCOMs were directed to fix specific target for collection of current and arrear revenue for each and every divisional officer.

Achievement:

WESCO assigns target of revenue collection arrear and current to all the field units. In 1st Phase arrear amount greater than Rs.50,000/- are concentrated. However, the Commission has expressed dissatisfaction over the reduced level collection efficiency by the licensee. It is a matter of concern that the collection as well as billing efficiency in HT and EHT has started reducing during the current financial room.

**Further Directives:**

For sustainability of distribution business the licensee needs to achieve the collection target set by the Commission. The performance of executive engineers should be linked to the collection of arrear. Monthly target should be given to all Divisional Managers to attain the specific target fixed by the management. Performance regarding collection of both arrear and current revenue should be on weekly basis by a senior designated officer at the head quarter and follow up action taken up to ensure to ensure the monthly target is achieved. If any compelling reasons there in shortfall from the monthly collection target in a month vigorous steps should be taken in the subsequent month to make up the shortfall of previous months.

### **Collection of Arrear**

20. Directives:

CESU, NESCO and WESCO were directed to collect Rs.200 crore out of arrear outstanding of Rs.1379.46 crore., Rs.710.56 crore and Rs.758.69 crore respectively and Rs.100 crore for SOUTHCO out of arrear outstanding of Rs.419.09 crore as on 31.03.2010.

Achievement

On the contrary WESCO has been able to collect only Rs.26.72 Cr. an achievement of about 3.2% of the opening arrear balance, while the arrear added by the licensees is Rs.100.90 Cr. which is about four times the arrear collected by the licensees.

**Further Directives:**

**WESCO is directed to strengthen its grip further in collection of arrear in all sector. The licensees must achieve the target fixed by the Commission for its own survival. There must be a net reduction in cumulative arrear during the 1<sup>st</sup> half of the FY 2011-12. Regular/weekly revenue of the divisions from collection of current and arrear dues should be monitored and in case of shortfall in any week they should be cumulated in the following month so that monthly target is achieved. Camp should be held at different places for collection of bills along with revision thereof wherever needed. In the special camps steps should be taken to regularize unauthorized connection and expedite new connection by rendering required assistance to the intending consumers.**

**Arrear for Govt. Dept & PSU**

21. Directives:

DISCOMs were directed to furnish the list of defaulting organizations to the concerned treasury, special treasury and sub-treasury for disallowing and bills of such defaulting organizations as advised by the Finance Department.

Achievement:

As of now almost all the departments are paying their current dues. However PHD is not paying the current bills regularly particularly the DPS levied in previous period. Again for Law & Order problem D/C is not being done. Same is the case with OLIC & Pani Panchayat.

**Further Directives:**

**The Commission reiterated it earlier directions of treating the Govt. Deptt. like ordinary consumers and ensuring disconnection of power supply for default of payment as per letter no.1577 dtd 23.02.2010 read with Ltr No.109073 Dtd 08.06.2010 of Dept of energy and Finance Deptt. Ltr No 36933/F Dtd 26.08.2010 and Ltr No 36938/F Dtd 24.08.2010. Regulation should be applied to all consumers without any special favour.**

**Target for Franchisees Operation**

22. Directives:

WESCO was instructed to introduce at least one Micro franchisee per section by the end of the year 2010. Thus with 125 sections WESCO should cover at least 125 Micro Franchisees or say 62,500 nos. of consumers by the end of the year.

### Achievement:

Even after several persuasions including advertisement in local dailies and interactions with the WSHG, NGOs etc no break through has been achieved. However at present No of Input Based, Macro and Micro Franchisees are seven, Four and Eight respectively with number of consumers covered being 64,749, 35,880 and 1011 numbers. Thus total consumers covered under Franchisee are 1,01,640.

### Further Directives:

**The Commission noted with dismay the poor progress of franchisee operation in WESCO area and directed to follow the franchisee model of CESU in their area of operation. The franchisee performance in CESU area so far found to be very satisfactory and should be adopted in rest of the State. A brief outline franchisee operation in CESU area is reproduced below:**

#### **Overall Performance of Franchisees**

- Average Collection Growth 52%
- Growth in Collection Efficiency : 69% to 87 %
- Consumer Coverage from 51% to 61%
- Reduction of AT & C loss from 76% to 71%
- No. of Consumers covered : 3.7 lakh (30% of total consumer)
- Collection has grown up from Rs. 7.18 Cr. to Rs. 10.91 Cr. during 2010-11 with a additional cost of Rs. 36 lakh. On the otherhand Rs. 38 lakh is saved due to engagement of franchisees for meter reading & collection which was earlier done by paying to the meter readers and the employees entrusted for collection.

### Metering and Energy Audit

#### 23. Directives:

DISCOMs were directed to achieve energy audit for at least 50% of 33 and 11KV feeders by end of this year to achieve the long term goal of Energy Audit at DTR level.

#### Achievement:

Out of 90 nos of 33 KV feeders 65 feeders are under energy audit .Although 11 KV feeders are metered, down ward Energy Audit is not possible due to defective meters. The energy audit data provided by WESCO is as submitted below:

33 KV Incoming Feeder					
Sl No	Name of the Feeder (KM)	Length of the Feeder	Sending Energy at OPTCL S/S (MU)	Input Energy to 33/11 KV S/S (MU)	Percentage of Loss in 33 KV System
1	33 KV TOWN-I	13	6.388	6.654	-4.15%
2	33 KOELNAGAR	20.6	5.902	6.025	-2.08%
3	33 KV TOWN-II	0.5	6.603	6.776	-2.62%
4	33 KV PHD	5	3.495	3.495	0.00%
5	33 KV BONAI INDUSTRIAL	42	4.754	4.640	2.40%
6	33 KV TENSA	32	4.452	3.924	11.86%
7	33 KV MAHULDIA	42	6.170	5.370	12.96%
8	33 KV IDC	12.7	5.379	5.297	1.52%
9	33 KV KALUNGA	21.7	15.991	15.522	2.93%
10	33 KV KUARNMUNDA INDUSTRIAL	22	11.479	11.149	2.88%
11	33 KV BIRAMITRAPUR	11	5.100	5.411	-6.10%

12	33 KV CHHEND-VEDVYAS	8.5	6.236	4.802	23.00%
13	33 KV PURNAPANI	41.4	6.306	5.408	14.25%
14	33 KV ROURKELA-I	16	8.249	7.902	4.21%
15	33 KV ROURKELA-II	20.7	11.261	10.872	3.45%
16	33 KV KUTRA	15	12.199	11.407	6.49%
17	33 KV BADGAON (RAJGANGPUR GRID)	34.2	6.496	6.513	-0.27%
18	33 KV BADGAON (SUNDARGARH GRID)	30	4.854	4.612	4.98%
19	33 KV SANKARA	0.5	5.193	5.365	-3.33%
20	33 KV ASHOKA SYNTHETIC	3	3.708	3.712	-0.09%
21	33 KV SARGIPALI (KFM)	11	0.343	0.346	-0.96%
22	33 KV COLLEGE	3.3	1.710	1.716	-0.33%
23	33 KV BANDAMUNDA	9	0.919	0.919	0.00%

**Further Directives:**

**Energy audit for at least 50 % of the feeders should be completed by 1<sup>st</sup> half of the current Financial Year and feeder wise energy transaction report should be submitted before the Commission before next review meeting.**

**Quality of Supply and Service**

24. Directives:

NESCO was directed to update routine maintenance of power distribution transformers so that the rate of failure of transformers will be reduced by 50 %.

Achievement:

The licensee has not submitted the details of quality improvement initiatives by WESCO. However, the system improvement works is being carried out by the licensee as reported is far from being satisfactory.

**Further Directives:**

**The Commission reiterated its earlier direction to provide quality supply to the consumers. It is the Consumer who matters. Collection from consumers is directly proportionate to the satisfaction they have. The licensee should plan and make strategy to meet with the low voltage problem in both rural and urban areas in view of the increasing economic activities in the state. Full O&M Provision approved by the Commission for 2011-12 should be utilized along with the unspent balance of 2010-11. For this to happen the licensee must collect enough of revenue to meet full BST, transmission charges, SLDC charges, salary expenditure, O&M expenditure.**

**Consumer Complaints**

25. Directives:

Prompt follow up action should be taken on all grievances. Punishment should be initiated for non compliance of consumer grievances.

Achievement:

Wesco was provided with a list of 24 pending consumer complaints/grievances reported in news dailies up to May 2010 forwarded by OERC for disposal vide Commission's letter no Secy/CC/3970 dtd 21.05.2010. Compliance reports on the above are yet to be submitted. Since then 10 more complaints have been forwarded for action up till March 2011.

**Further Directives:**

The Commission while retreating its earlier direction stressed for early settlement of consumer grievances. Full compliance should be furnished for the Commission before 31.08.2011. Non-compliance would be sufficient ground for initiating stringent action against the licensee as well as the employees responsible for the same.

**Implementation of GRF Orders**

26. Directives:

WESCO was directed to comply with the orders of GRF in a time bound manner.

Achievement:

In the year 2010-11 as reported by the respective GRFs, 56 cases have been registered by the GRF Burla and 55 disposed (upto March 2011). Rourkela GRF had an opening balance of 158 cases and 290 cases were registered out of which all 448 disposed (upto March, 2011) Similarly, 720 have been registered by the GRF Bolangir and 697 disposed upto March, 2011.

9 orders of GRF Burla & 97 of GRF Bolangir are pending for disposal as on March 2011. There is no case pending for disposal report by GRF Rourkela.

**Further Directives:**

The Commission while reiterated its earlier direction stressed for early execution of GRF orders. In case of GRF orders not in line with OERC regulations the licensee may request the concern GRF to review the same. Regular monthly interactive meeting may be held with GRF to ensure that grievances of consumers are redressed as per the schedule. In the said interactive meeting the activities of the licensee to produce the relevant documents and to explain the licensee's stand should be discussed with the specific cases. The progress of implementation of GRF order and Ombudsman Order also be monitored.

**Enquiry of the Expert Team**

27. Directives:

The licenses are required to take follow up pending recommendation /direction with reference to the enquiry conducted by independent expert as regards to maintenance and operation of distribution S/S and lines.

Achievement:

The licensees although attended some of the short term recommendations, but still a number of long term/short term recommendations have been pending for compliance.

**Further Directives:**

DISCOMs are required to complete the pending short term works within 30.09.2011 and long term recommendations within 31.03.2012. The Commission expects that the supply situation shall definitely improve after implementation of the recommendations. Although some of the recommendations are attended, status of compliance with reference to the enquiry committee recommendations as annexed as Annexure-I may be furnished within 31.08.2011 at the latest.



### **Functioning of the police station & Vigilance and Antitheft Measures**

28. Directives:

The target for number of raids and checking to be carried out by DISCOMs was 720 & 7200 for CESU, 540 & 5400 for NESCO, 180 & 1800 for WESCO and SOUTHCO respectively and revenue generated should be 10 times that of expenditure.

Achievement:

There is only one police station function at Burla in the area of WESCO. WESCO has not submitted the details of Vigilance activities. However, as per its submission there were 644 nos. of raids conducted by WESCO and 182 nos. of vigilance checking conducted by the licensee during current financial year. The table below summaries the activities of Vigilance cell in the area of WESCO.

<b>Antitheft Measures</b>	<b>As on 31st Mar,2001</b>	<b>As on 31st Mar,2010</b>	<b>As on 30 st Sept, 2010</b>	<b>As on 31st Mar-11</b>
No. of Hooks Detected	224	2,062	1427	5003
No. of Hooks repeated out of hooks Detected	-		0	0
No of new connections given				45376
No of Connection Regularised	224	1,859	1385	3975
Amount Billed (Cr.)				86.01
Amount Collected (Cr.)				22.81
No. of FIR lodged	26	1		97
No. of illegal consumers prosecuted/Initiated in Court		0		66

The amount billed at Rs.86.01 crore and collected at Rs.22.81 cr. must be clarified if those pertain to assessment made under Section 126 or to the new connection. These figures are very much doubtful. The licensee should be doubly sure while furnishing information to the Commission.

**Further Directives:**

**The Commission while reiterating its earlier direction and stressed for effective utilization of energy police stations. CVO should ensure proper coordination with the energy police station and MRT staff to launch broad based attack on theft of energy by consumers like industries, commercial establishments, hotels, Nursing homes, vehicle-shops, fabricating units, shopping malls, petrol tanks, professional institutes. The checking must be done in a plan and effective manner.**

**Action taken with report of EMR, Vigilance**

29. Directives:

All DISCOMs were advised to initiate strict disciplinary action against officials pointed out by EMR and Vigilance Cell and action taken report should be submitted to the Commission. The Commission vide this para had directed NESCO to clean up its own house by taking action against the employees of the NESCO directly or indirectly indulging in theft of energy.

Achievement:

As per the submission of licensee No adverse remark by EMR & Vigilance cell against the officials has been made which is simply ridiculous. The licensee is afraid of checking stealing in its own house.

**Further Directives:**

**The Commission while reiterating its earlier direction opines that the licensee is too casual to contain loss since almost all divisions have failed to improve their performance and there has been reduction in billing and collection efficiency in both HT and EHT sector. There seems a strong nexus between culprits and errant officers which has been perhaps overlooked by the licensee. The non-performing and poor performing EEs and SEs should be targeted and strong disciplinary action should be initiated by the CEO, WESCO. The Commission directed that outcome of all such proceedings should be reported to the Commission within 31.08.2011.**

**Reduction of Loss & Turn around strategy of DISCOMS**

30. Directives:

The Commission vide this Para had directed DISCOMs to generate sufficient revenue to meet their cost of service & turn around the distribution business. The DISCOMs were directed to achieve 90% of the collection per LT input target set by the Commission by adopting various technical as well as administrative measures.

Achievement:

The CEO, WESCO stated that due to lack of finance WESCO is unable to set any target to strategy to turn around of its business. However, the losses reduction target can be achieved by implementation of upgraded technology along with IT intervention such as optimizing HT/LT ratio, SCADA & DTMS system which are to be made under Capex scheme.

**Further Directives:**

**The LT realisation per input achieved by WESCO is 78.73 paise per unit (including transmission) against BST fixed by the Commission at 217.50 paise. The licensee should try hard to match the RPI equivalent to the BST fixed by the Commission for its own survival. Special disconnection drive should be launched to disconnect power supply to the defaulting consumers following the prescribed procedure. Domestic consumers showing low consumption despite use of TV, AC, Fridge etc. should be targeted. The consumers having their lines charged under RGGVY and BGGVY should be brought under billing fold immediately.**

31. **Improvement of Voltage Profile**

WESCO has been experiencing low voltage problem in Khariar road, Nuapada, Dharmagada, Bhawanipatna, and Padampur divisions of its area of operation.

Khariar road Grid Sub-station:

Present installed capacity of transformer 40 + 20 = 60 MVA

Proposed by OPTCL

After completion of Baragarh 132/33 KV grid sub-station this problem will be eliminated.

#### Nuapada Grid Sub-station

Present installed capacity of transformer at Khariar 132/33 KV sub-station is 2 x 20 MVA which is inadequate to supply power to Nuapada.

#### Proposed by OPTCL

The construction work a new 132/33 sub-station has been started at Nuapada of capacity 2 x 12.5 = 25 MVA which is scheduled to completed by June, 2012 after which the problem at Nuapada will be sorted out.

#### Dharmagada Grid S/s

Present installed capacity of transformer at Junagada 132/33 KV sub-station 20 + 12.5=32.5 MVA

#### Proposed by OPTCL

After completion of ongoing Golamunda 132/33 KV grid sub-station this problem will be sorted out.

#### Bhawanipatna Grid S/s

Present it is fed from Kesinga 132/33 KV grid sub-station of capacity of transformer =2X12.5=25 MVA sub-station

#### Proposed by OPTCL

The completion of Bhawanipatna 132/33 KV sub-station will be completed by June, 2012 after which this problem will be sorted out.

#### Padampur Grid S/s

Presently it is fed from Barapalli 132/33 KV grid sub-station of capacity of transformer =2X12.5=25 MVA sub-station.

#### Proposed by OPTCL

A new 132/33 KV sub-station is proposed at Patnagada after which this problem will be sorted out.

#### **Directives of the Commission**

**All the OPTCL substations must be completed within the schedule time and the required downstream distribution network should be taken up simultaneously by WESCO so that as soon as work by OPTCL is completed the low voltage problem should be solved.**

#### 32. **Implementation of Safety Measures**

The DISCOMs should identify the critical distribution network for inspection on urgent and priority basis. Apart from that the DISCOMs should appoint Electrical Safety Officers, in terms of the requirement under CEA (Measures relating to safety and Electric Supply) Regulations, 2010 for ensuring observance of safety measures in their organization for construction, operation and maintenance of distribution system.

The Electrical Safety Officer should inspect each 33/11 KV S/S periodically and ask the feeder managers to certify the healthiness of the feeders. He has to ensure the use of safety gadgets by the field employees and conduct random inspection of electrical installations. He should ensure proper operation of protection equipments in distribution network and furnish the inspection report along with his observation or recommendation, if any, to the concerned CEO/V.P for further necessary action. CEO/V.P. should review the work of the safety officer once in each quarter and take

up the required steps on the report of the safety officer for overall safe operation of the distribution system.

Further in order to prevent electrical accidents in Elephant corridors DPR should be quickly prepared and presented to the Forest Dept. for providing appropriate funds from whatever source at their command. Similarly for supplying uninterrupted quality supply in power to the medical institution/Hospitals, dedicated/alternate lines along with power transformers and distribution transformers should be provided and fund should be accessed from National Rural Health Mission and other programmes. The CEO should have the full authority to sanction the DPR and release the fund to the field functionaries to ensure completion of the work in time.

**(D) CONCLUSION**

33. **The overall performance of WESCO is found to be wanting in all respect during the FY 2010-11. Moreover, it is well behind the target set by the Commission in various aspects. Unless, the performance of WESCO is improved during the next financial year 2011-12 which the CEO has promised, it will be difficult for the licensee to improve the quality of supply in its area of operation. The CEO must look into the deteriorated performance of the licensee in HT and EHT sector which is a matter of concern for the entire energy sector as a whole. This is also a matter of serious concern for the consumers and employees of the WESCO whose sustenance depends on substantial improvement in its performance particularly in the matter of AT&C loss reduction and collection of arrear as well as redressal of consumer grievances. With the overall guidelines and supervision of the CEO a team of Senior Officers should go to the field in each division for a week to oversee the new connection, safety measure, consumer grievances, bill correction, anti-theft activities, quality of supply - in a campaign mode to elicit public co-operation by solving their problem in a time bound manner. Besides this the internal administration needs to be tuned up and tightened otherwise investment will not yield the desire result.**

<b>RECOMMENDATION OF THE TECHNICAL ENQUIRY COMMITTEES</b>	
<b>WESCO</b>	
<b>Name of the Divn.</b>	<b>Deficiencies to be sorted out</b>
	All 33 KV trunk lines should be constructed using NBLs towers with earth wire.
SED, Sambalpur	33/11 KV S/Ss at (1) Binakhandi (near collectorate, SBP), (2) Dhanupli-Maneswar area,) (3) Jujumura (Power drawl from Rairakhole grid, (4) Satgachia near Rengali (Tapping from B'nagar grid to Mamata feeder) are proposed.(ii) All 33/11 KV substations of Sambalpur town area are to be interconnected with 232 MM <sup>2</sup> conductor for emergency supply at the time of need.(iii) All bare conductor LT lines of Sambalpur town should be converted to AB cables. Attempt for underground cabling in Sambalpur town. 2X5 MVA sub-station near City Railway Station area, Baribandh and at Charmag. One additional 1.6 MVA transformer to be installed at Naktiduel sub-station.
JED, Jharsuguda	33/11 KV sub-station and take off supply at 33 KV and associated distribution networks should be completed. 33/11 KV S/S at Budhapal (power supply from Rengali grid - 29 KM) is proposed. 33/11 KV S/S at Kanaktura (20 KM 33 line from Jharupada S/S is proposed).
JED, Jharsuguda	New 2X1.6 MVA sub-station at Jamankira and 2X5 MVA at Belpahar. Additional transformer at Bandhbahal (1.6 MVA) and Kesaibahal (1.6 MVA) is required.
RED, Rourkela	Additional 1.6 MVA transformers at Pilot project S/S & Mahuldiha S/S. 2X 1.6 MVA, 33 KV S/S at Jalda area & one at Bandomunda.
RED, Rourkela	Upgradation of Bisra, Chhend, PHD, REC, Industrial Estate, Rajamunda, Bonai. Conductor of trunk line portion of all 11 KV feeders shall be upgraded to 55 MM <sup>2</sup> . All defective and worn out Arcing Horns of 33/11 KV S/S to be changed. Lengthy feeders mentioned in the report should be sectionalized by AB switches.
RED, Rajgangpur	Additional 1.6 MVA transformer at Otto India S/S. Existing Power transformer at Bargaon, Kutra, Hatibari to be upgraded from 1.6 to 3.15 MVA and Kuarmunda, Biramitrapur from 3.15 to 5 MVA. A 2X1.6 MVA, 33/11 KV S/S at Lakhmiposh tapping from Sundargarh feeder.
RED, Rourkela	Chend and Koel Nagar feeders are supplied power from one breaker at Chend Grid S/S. Work for another bay and breaker should be taken up quickly for separating supply to the feeders.
SED, Sundargarh	A 2X1.6 MVA, 33/11 KV S/S at Garjan Bahal or Hatibari and at Kinjirikela in Balisankara block. Restoring of stolen line from Sundargarh Grid to Sargipali. Existing 33/11 KV S/S at Subdega, 2X1.6 MVA to be upgraded to 2X3.15 MVA and College 3.15 MVA to 2X3.15 MVA.
BED, Bolangir	All 33KV & 11 KV breakers are to be made functional. Conductor of Cherupali-Atalpur 33 KV feeder to be upgraded to 100 MM <sup>2</sup> . 33/11 KV sub-station at Chatamakha, Gudvella and Salevhata /Dudka. Damaged LA's are to be replaced.
TED, Titlagarh	33 & 11 KV breakers should be operative especially for Padmapur/Patnagarh feeders. New 33/11KV, 2X1.6 MVA S/S at Bongomunda on Khariar to Muribahal 33 KV feeder. 33/11 KV S/S at Tikarpada & Lathore. Additional 1.6 MVA Tr. at Khaprakhol.
SED, Sonepur	protective breakers for rural feeders should be operational in addition to other feeders. Additional 1.6 MVA Tr. at Ulanda & Dumberbahal S/S. 33 KV feeder from Tarva to Charbhata with 33/11 KV S/S at Charbhata, 33 KV feeder from Barapalli to Pandkital with 33/11 KV S/S at Pandkital & 33 KV feeder from Birmaharajapur to Subalya with 33/11 KV at Subalaya.
BED, Bargarh, BWED, Bargarh	33/11 KV S/Ss at Khuntlipali which is between Larambha an Thuapali and another at Goru market of Bargarh town are proposed. 33/11 KV S/Ss at (1) Bisipali (between Bargarh and Sohela). (2) Ghess (between Sohela and Padampur and (3) Mandosil (between Paikmal and Nuapada) are proposed. Thuapali 3.15 MVA to be upgraded to 5 MVA. Padampur and Paikmal 11 KV feeders to be upgraded to 100 mm <sup>2</sup> . New sub-station at Tora near Bargarh and Udyanpur between Khutenpali and Gandaturanga.
KEED, Bhawanipatna	Additional 1.6 MVA Tr. To be installed at Utkela, Borda & Biswanathpur S/Ss. 33/11 KV S/S at Nunmat on Belgaon 33 KV feeder. Bhangabadi S/S and a 33 KV feeder from Bhawanipatna /III feeder or Junagarh feeder.
KWED, Bhawanipatna	Additional 1.6 MVA Tr. To be installed at Golamunda S/Ss. 33 KV feeder from Badkutu to Th. Rampur and a new 33/11 KV S/S at Th. Rampur. 33 KV line to Jaipatna and a S/S at Jaipatna. 33 KV line from Dharmagarh to Behera with a new 2X1.6 MVA S/S at Behera.
TED, Titlagarh	Long 33 KV feeders are to be bifurcated. A new 33/11 kV S/S at Bongomunda on Khariar to Muribahal 33 kV feeder. 33 KV line from Khariar to Boden with 33/11 kV S/S at Boden.
NED, Nuapada	Connection of 33 KV line from the nearest 33/11 KV sub-station at Khariar constructed by WESCO in World Bank Fund. 33/11 KV S/S at Lakhna tapped from 33 KV Nuapada feeder shall be constructed. 33 KV line from Khariar Road to Beltukri and a 33/11 KV S/S at Beltkri.