

**ORISSA ELECTRICITY REGULATORY COMMISSION
BIDYUT NIYAMAK BHAVAN
UNIT - VIII, BHUBANESWAR - 751 012**

**No.DIR (T)-368/09/
Dated- 06.07.2011**

From
Shri P K Swain
Secretary

To
The Chief Executive Officer,
CESU,
IDCO Tower, Bhubaneswar.

Sub: **Review of Performance of CESU for the FY 2010-11, taken up on
30.05.2011.**

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 CESU
from April, 10 to March, 2011 held in OERC on 30.05.2011.**

Date of Review : 30.05.2011 at 11.00 AM

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

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

- (i) Shri B C Jena, Chairman Cum CEO, CESU
- (ii) Shri S.K. Mishra, CHRDO, CESU
- (iii) Shri B K Lenka, COO, CESU
- (iv) Shri Manoj Ku. Singh, GM, CESU
- (v) Shri R. Kamilla, GM, EHT (O&M), OPTCL
- (vi) Shri P K Pani, TA to GM, EHT (Con), OPTCL
- (vii) Shri P K Pradhan, Director (Com), GRIDCO
- (viii) Shri S. Pradhan, Dy. Secretary, DoE, GoO

1. Shri M K Singh, GM, CESU made a presentation before the Commission about the performance of CESU 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 CESU

Sales Analysis of CESU

2. The Commission noted that during the period under review the energy purchase by the licensee was found to be 7069.31 MU compared to the target of the Commission at 6420.00 MU for FY 2010-11 resulting in a net increase of 10.11 % from the target of the Commission. At the same time, the net sales by the licensee has been lower less by 9.97 % at 4361.44 MU compared to the target of the Commission of 4791.30 MU for FY 2010-11. However, compared to the input and sales of previous year i.e. FY 2009-10, the purchase increased by 13.42 % and sales increased by 15.53 %. The licensee has achieved 101% collection compared to the target fixed by the Commission. There has been 31.82% rise in EHT sales and 11.83% rise in LT sales compared to the last financial year. Accordingly, the share of EHT to total sales has been increased from 28.08% in FY 2009-10 to 32.04% in FY 2010-11 and the share of both HT and LT has declined marginally compared to the last financial year.

SALES ANALYSIS OF CESU-FY-2010-11(Rs in Cr, Energy in MU)

	INPUT	TOTAL SALES	EHT	% to Total Sales	HT	% to Total Sales	LT	% to Total Sales
Target	6420.00	4791.30	1048.70	21.89%	863.30	18.02%	2879.30	60.09%
Achievement	7069.31	4361.44	1397.23	32.04%	852.22	19.54%	2111.99	48.42%
% Achieved	110.11%	91.03%	133.23%		98.72%		73.35%	
Achieved Last Year	6232.67	3775.13	1059.97	28.08%	826.55	21.89%	1888.61	50.03%
Change Compared to Last Year	13.42%	15.53%	31.82%	3.96%	3.11%	-2.35%	11.83%	-1.60%
COLLECTION								
Target		1550.81	449.92		372.99		727.89	
Achievement		1576.84	576.92		371.75		628.17	
% Achieved		101.68%	128.23%		99.67%		86.30%	

Loss Analysis of the CESU

3. While analyzing the loss achieved by the licensee it is noticed that the overall loss achieved by the licensee is 38.30% compared to 39.43% during FY 2009-10 resulting in a decrease of overall loss by 1.13%. It is observed that LT loss has reduced from 51.97% during FY 2009-10 to 51.63% during FY 2010-11 - a decline of 0.34%.

However, CESU is still far away from the target of the Commission to achieve LT loss of 29.40% for FY 2010-11. With regard to the performance in achieving AT&C loss it is observed that CESU has achieved an overall AT&C loss of 41% compared to 41.19% during FY 2009-10 resulting in a net reduction of 0.19% compared to the last financial year. The overall reduction in AT&C loss by 0.19 % was due to higher collection efficiency in EHT sector by 2.57% by the licensee compared to FY 2009-10. Overall the loss level has decreased from 39.43% in 2009-10 to 38.30% in 2010-11. Billing efficiency has improved marginally. Overall collection efficiency has come down from 97.09% in 2009-10 to 95.63% in 2010-11. (Arrear collection under OTS in 2009-10) AT&C loss has slightly reduced from 41.19% in 2009-10 to 41.00% in 2010-11. In terms of all the parameters discussed above CESU has not been able to meet OERC targets, though not declined unlike other three DISCOMs.

PERFORMANCE OF CESU-LOSS					
	2009-10	Actual FY-2010-11	Target 2010-11	Deviation	Change
LOSS (%)					
LT	51.97%	51.63%	29.40%	22.23%	-0.34%
HT & LT	47.51%	47.74%	30.32%	17.42%	0.23%
OVERALL	39.43%	38.30%	25.37%	12.94%	-1.13%
BILLING EFFECIENCY (%)					
HT	92.00%	92.00%	92.00%	0.00%	0.00%
LT	48.00%	48.37%	70.60%	-22.23%	0.37%
HT & LT	52.50%	52.26%	69.68%	-17.42%	-0.24%
OVERALL	60.57%	61.70%	74.63%	-12.94%	1.13%
COLLECTION EFFICIENCY (%)					
EHT	98.67%	101.24%	98.00%	3.24%	2.57%
HT	96.23%	97.91%	98.00%	-0.09%	1.68%
LT	96.51%	89.82%	98.00%	-8.18%	-6.69%
HT & LT	96.41%	92.67%	98.00%	-5.33%	-3.74%
OVERALL	97.09%	95.63%	98.00%	-2.37%	-1.46%
AT & C LOSS (%)					
LT	53.65%	56.55%	30.81%	25.74%	2.90%
HT & LT	49.40%	51.57%	31.72%	19.86%	2.18%
OVERALL	41.19%	41.00%	26.86%	14.14%	-0.19%

Performance of Divisions:

- The divisional performance sheet of CESU shows that overall LT Realization to input for all divisions taken together has increased from 122.00 Paise during the FY 2009-10 to 143.88 Paise during the period for FY 2010-11. The increase in realization per input is around 17.93% compared to the overall RST rise of 22.2% during FY 2010-11. The most efficient division in terms of AT&C loss is found to be TED Chainpal and NED Nayagada. Except these two divisions no other division has performed well. The loss levels in BCDD-1, KED Khorda, CED, AED Athagada, SED Salepur, have even increased by 4.26%, 5.29%, 4.33%, 5.22%, 5.57% respectively. The Commission expresses displeasure fact that even after repeated instructions the loss level of divisions like NED-Nimapada), SED (Salepur) and KED-1 & 2 has remained at about 70 %. It is not understood how the AT&C loss in industrialized divisions like ANED (Angul) and KED (Khurda), PED-Puri and BCDD-I has not improved. 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.

L.T.PERFORMANCE OF CESU FOR FY 2010-11

Sl. No.	Name of Division	FY 2010-11		FY 2009-10	Change in AT & C Loss	Realization per Input-LT 2010-11	Realization per Input-LT 2009-10	Percentage Improvement
		Overall Loss (%)	AT & C Loss (%)	Overall AT&C Loss (%)				
OERC TARGET		25.4%	26.9%			170.87		
1	BCDD-1	13.9%	14.4%	10.10%	4.26%	359.92	296.90	21.23%
2	BCDD-2	23.0%	23.0%	24.00%	-1.00%	260.72	205.70	26.75%
3	BED-Bhu	27.8%	29.1%	28.80%	0.33%	260.70	212.60	22.62%
4	NEDN-Nimapada	67.6%	73.2%	72.70%	0.53%	79.26	67.10	18.12%
5	PED-Puri	58.3%	65.5%	62.50%	3.01%	116.39	104.10	11.80%
6	NED-Nayagada	53.1%	50.7%	56.40%	-5.65%	133.10	111.20	19.70%
7	KED-Khorda	38.4%	44.5%	39.20%	5.29%	125.45	116.10	8.06%
8	BED-Balugaon	45.9%	50.3%	47.30%	2.97%	112.57	90.00	25.08%
9	CED	52.7%	56.9%	52.60%	4.33%	83.94	73.40	14.37%
10	CDD-I	37.2%	39.0%	39.00%	0.04%	233.79	180.20	29.74%
11	CDD-II	29.9%	33.8%	34.60%	-0.77%	213.27	169.80	25.60%
12	AED-Athagada	33.5%	36.3%	31.10%	5.22%	68.88	66.10	4.20%
13	SED	59.9%	70.2%	64.60%	5.57%	91.13	89.90	1.37%
14	KED-I	52.2%	61.5%	58.20%	3.32%	120.37	108.40	11.04%
15	KED-II	65.6%	69.7%	67.10%	2.62%	91.19	84.50	7.92%
16	PDP-Paradeep	26.8%	28.3%	27.70%	0.58%	106.12	85.30	24.40%
17	JED	62.5%	72.5%	70.80%	1.70%	85.58	72.00	18.85%
18	DED	50.3%	55.1%	52.50%	2.58%	79.61	70.50	12.92%
19	ANED-Anugul	54.5%	58.2%	57.40%	0.84%	98.33	81.70	20.35%
20	TED-Chainpal	18.6%	16.8%	24.60%	-7.81%	75.65	66.50	13.76%
CESU Total		38.3%	41.0%	41.20%	-0.20%	143.88	122.00	17.93%

Arrear Analysis

5. The performance sheet of CESU depicts that CESU has an arrear of 1447.46 cr. as on 31.03.2011 compared to the net arrear of 1375.48 cr. on 31.03.2010 resulting a net increase of 71.98 cr. The net addition of arrear by Rs.71.98 cr. was due to an increase in arrear in LT, HT, Govt. Deptt. and EHT sector by 46.48 cr., 13.14 cr., 11.96 cr., and 0.40 cr. respectively. There has been addition of arrear in LT sector to the tune of Rs.46.48 cr. compared to the arrear collection of Rs.47.28 cr. during the period under review. The Commission expresses concern for the fact that the trend of addition in LT arrear has remained same in spite of introduction of OTS during the last financial year 2009-10. The Commission directs to reverse the trend by putting all out measures in collection of arrear.

STATUS OF ARREAR-CESU								
Category	Arrear as on 31.03.2010 (Rs. Cr.)	Billing for the fy 2010-11 (Rs. Cr.)	Collection against current dues for the fy 2010-11	Collection against arrear for the FY 2010-11	Total Collection for the FY 2010-11	Arrear for the period (Rs. Cr.) for the FY 2010-11	Arrear as on 31.03.2011 (Rs. Cr.)	Net Arrear Added (Rs. Cr.)
1	2	3	4	5	6=4+5	7 = (3-4)	8= (2+3)-6	9=8-2
EHT	15.56	479.32	478.85	0.08	478.92	0.47	15.96	0.40
HT	49.69	379.72	363.32	3.26	366.58	16.40	62.83	13.14
LT	1115.74	557.08	463.32	47.28	510.60	93.76	1162.22	46.48
Govt. Deptt. & PSU	194.49	232.88	213.68	7.24	220.92	19.20	206.45	11.96
Grand Total	1375.48	1649.00	1519.17	57.85	1577.02	129.83	1447.46	71.98

Addition of Infrastructure and Metering

6. During the period under review the length of 11 KV feeder of the licensee has increased from 17,896.84.Km to 18,465.96 Km and that of LT line increased from 19,638.56 Km to 20,474.53 Km. However it is matter of concerned that the number of 11 KV feeder metering has decreased from 601 nos. to 513 nos. and number of 33 KV metering decreased from 109 nos. to 68 nos. During the period the number of Distribution Transformers has increased from 22,796 to 25,848 nos while the Distribution Transformer Metering position has increased from 8,832 to 9,421 nos. It is a matter of concern that the percentage of working meters has decreased from 90 % as on 31 March 2010 to 88% by end of the year 2010-11.

System and Feeder Metering	As on 31st Mar,2010	As on 31st Mar,2011	Percentage Change
No of Consumers	1,143,500	12,94,226	#VALUE!
Length of 11 KV Line (km.)	17,896.84	18465.96	3.18%
Length of LT KV Line (km.)	19,638.56	20474.526	4.26%
No. of 33 KV feeders (excluding GRIDCO interface)	125	114	-8.80%
No. of 33 KV feeder metering	109	68	-37.61%
No. of 11 KV feeders	601	623	3.66%
No. of 11 KV feeder metering	601	513	-14.64%
No. of 33 / 11 kv transformers	347	397	14.41%
No. of 33/11 kv transformer metering position	81	232	186.42%
No. of distribution transformers (11/0.4 & 33/ 0.4 kv)	22,796	25848	13.39%
No. of distribution transformer metering position	8,832	9421	6.67%
Total number of meters	1,107,273	1294226	16.88%
No. of working meters	999,281	1135702	13.65%
Percentage of working meters (%)	90%	0.877514437	-2.77%
No. of defective meters	107,992	123908	14.74%
Replacement of defective meters		80648	

Quality of Supply and System Improvement

7. The CEO CESU stated that they have taken several steps to improve the quality of supply to the consumers. During the period under review the number of transformer burning case has decreased from 2,911 nos. (During FY 2009-10) to 2589 nos.(during the FY 2010-11). There has been a significant raise in the number of conversions from single phase to three phase line. However, the performance of licensees in improving system network has deteriorated during the period of review.

QUALITY OF SUPPLY	As on 31st Mar,2010	As on 31st Mar,2011	Percentage Change
Failure of Power Transformers	23	25	8.70%
No. of transformers burnt	2,911	2589	-11.06%
Cost involved (Cr.)	7.28	6.39	-12.23%
Interptions of 33KV feeder		34165	
Interptions of 11KV feeder		136565	
No. of Grievances received	58389	57583	-1.38%
Disposed through CHP including Bijuli Adalat	58389	57583	-1.38%
SYSTEM IMPROVEMENT WORKS DURING REVIEW PERIOD			
Installation of New Transformers	540.00	413	-23.52%
Upgradation of Transformers	373	273	-26.81%
Installation of Pillar Box	1669	5052	202.70%
Length of AB Cable Laid	213.38	258.42	21.11%
Conversion of Single Phase to Three Phase Lines	52.34	93.31	78.28%

(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. Accordingly 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 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.

PERFORMANCE OF DISTCOS (ALL ORISSA)-Sales							
	CESU	NESCO	WESCO	SOUTHCO	Total Sales During FY-2010-11	2009-10	Change Comp. to 2009-10
TOTAL Purchase	7,069.31	5,067.40	6,421.89	2,550.88	21,109.48	19484.81	8.34%
SALE (MU)							
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%
TOTAL	4,361.44	3,435.59	3,979.39	1,323.30	13,099.73	12,228.00	7.13%

Growth of Categories and their Consumption

So for 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. An higher consumption compared to the increase in numbers are a good sign in case of LT (com), PWD and specified public purpose consumers. Only incase of allied agro consumers the consumption is less compared to the increase in numbers. The licensees should look in to 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 IN LT SECTOR

Category	As on 31st March-2010		As on 31st March-2011		% increase in consumers	% Increase in consumption
	No. of Consumer as on March,10	Consumption (MU)	No. of Consumer as on March,11	Consumption (MU)		
Domestic	2617264	3,188.89	2915066	3,518.90	11.38%	10.35%
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	123.81%	46.73%
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%
TOTAL L.T.	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%

TOTAL	2943478	12,227.76	3325951	13,099.17	12.99%	7.13%
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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 (5.29%) to its Opening Balance followed by 8.29%, 8.15% 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%
TOTAL	3493.55	409.08	119.30	278.56	3772.10	100.00%	7.97%	42.83%

Performance Analysis of CESU vis-à-vis the sector as a whole

10. It is observed that the LT AT&C loss achieved by the licensee 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% while CESU has performed the best by decreasing the same by 0.19%. 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 there by 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 its 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 the best since the achievement of CESU during FY 2009-10 includes

collection under OTS scheme. Among the Reliance DISCOMs NESCO has fared better while WESCO is the worst performer.

PERFORMANCE OF DISCOMs-AT A GLANCE								
OVERALL PERFORMANCE								
	2009-10	2010-11		Change compared to Last Year	2009-10	2010-11		Change compared to Last Year
	Actual	OERC Approval	Actual		Actual	OERC Approval	Actual	
DISTRIBUTION LOSS				AT & C LOSS				
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%
LT PERFORMANCE OF DISCOMs								
LT LOSS				AT & C LOSS				
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%
REALIZATION PER UNIT INPUT (RPI) OF DISCOMS								
OVERALL(2009-10)			OVERALL (2010-11)			Growth		
	Target	Achieved	% Realised	Target	Achieved	% Realised		
CESU	201.72	177.33	87.91%	236.73	223.05	94.22%	6.31%	
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%	
LT-FY (2009-10)			LT-FY (2010-11)					BSP+Tr
	Target	Achieved	% Realised	Target	Achieved	% Realised	Change	
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%	13.90%	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%	

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 loss increased by 2.04%
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%.
3. The arrear Opening Balance was 3494.55Cr as on 31st March 2010. The growth of arrear during 1st 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 stood at Rs 278.56 Cr (i.e 7.97% of OB) there-by a net reduction of arrear during the 2nd 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:

In his reply CESU stated that suitable action against the errant & callous employees is being taken by recording their performance in their C.C.R. or by taking disciplinary action like framing charge-sheet and suspension. The compulsory retirement scheme against such non-performing officials is under process. Feeder Manager as declared for 350 feeders & another 60 feeder will be covered along with restructuring order, where few DTS will be transferred from one section to another. Similarly order is being issued to fix accountability of 9600 metered DTS on concerned linemen.

Further Directives:

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.

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:

For carrying out the load verification of all feeders upto 440V and matching it with load of consumer's necessary action is being taken for installation of 100% metering arrangement across the distribution transformers and the consumers' premises. With such arrangement correct load matching can be prepared and submitted.

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.

Submission of cost Data

13. Directives:

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

Achievement:

The cost data for FY 2008-09 has already been submitted and the Cost data for FY 2009-10 will be submitted soon.

Further Directives:

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 31st March 2011. This should be submitted before 15.07.2011.

Delegation of Power

14. Directives:

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

Achievement:

For delegation of technical, financial and administrative power, details will be put up in the Board Meeting of CESU to be held on 23.05.2011 for its approval, after which it will be finalised.

Further Directives:

The Commission instructed to complete the process well before the implementation Capex programme undertaken by Govt. of Odisha.

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:

95 sections and 19 subdivisions have been ring fenced by March'2011 in CESU. Details on base line data will be submitted after total ring fencing activity is completed.

Further Directives:

The Commission directed to submit the details base line data of the ring fenced area prepared so far by 31st 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
- d) Voluntary declaration of contract demand of residential premises of the DISCOM employees

Achievement:

It is observed that that CESU has achieved reduction LT AT&C loss by 1.38% against the target of Commission to reduce it by 10% . So far the performance of divisions are concerned expect NED (Nayagarh) none of the divisions has achieved the targets of the Commission to reduce the ATC loss by more than 10% .Rather the AT&C-LT loss of some divisions like KED Khurda, AED, Athagarh, has increased to the extent of 3.49% & 4.32% respectively. Regarding voluntary declaration of DISCOMs employees CESU has requested its employees to declare their contract demand within 6 months. The process of load verification is undertaken by loss control and MRT squad. The details load verification of high value consumers is as given below:

1. Loss Control Squad Activities(20 KW)

- Total Checkings: 1732
- No. of consumers identified: 5126
- Penal Amount imposed: 6.16 Cr
- Penal Amount Collected : Rs. 1.38. Cr.
- No. of Arrests Made: 384

2. MART Activities(20 KW)

- No. of consumer tested: 4921
- No. of Consumers identified: 40
- Penal Amount imposed : Rs. 5.93 Cr.
- Penal Amount Collected Rs. 0.76 Cr.

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.

Cross checking of meter readings

17. Directives:

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

Achievement:

In order to establish the correctness of meter reading recorded by meter readers cross-checking on meter reading is being made by the Analysis wing of CESU both in field level and head office level and steps are taken to collect additional revenue. The performance of the analysis wing is as given bellow:

Performance of Analysis Wing						
Circle	Total Consumers Verified	Total Suspected	HF Causes	Under Billed Cases	Transf. Loss Cases	Revenue Increase (Rs.)
Circle-I	2350	96	51	51		2,092,202
Circle-II	850	40	25	25		2,599,661
Cuttack	3600	153	29	39	85	1,371,178
Paradeep	1150	37	2	11	24	322,144
Dhekanal	1000	35	7	11	17	320,373
Total	8950	361	98	137	126	6,706,558

Further Directives:

While appreciating the role of the analysis wing the Commission directed to speed up the activities of the analysis wing further.

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:

Against the BST of CESU fixed rate 18.5 Paise, CESU has achieved an RPI (Realisation per Input) - LT of 143.88 Paise. It is observed that the RPI of only Metro Divisions has remained above the BST of CESU.

Further Directives:

While expressing satisfaction over the realization made by achieved Metro Divisions the Commission expressed concern for very low level of LT realization in divisions like NEDN (Nimapara), CED (Cuttack), AED (Athagarh), SED, (Salepur), etc. Departmental action should be initiated against the concerned Executive Engineer who do not justify their continuance as services divisional heads.

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:

On contrary to the collection efficiency target fixed by the Commission at 98 %, the collection efficiency in LT achieved by CESU is 89.82 %. The overall collection efficiency is found to be 95.63 % during FY 2010-11 despite 101.24 % Collection efficiency in EHT sector.

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 CESU has been able to collect only Rs.57.85 Cr. an achievement of about 5% of the opening arrear balance, while the arrear added by the licensees is Rs.71.98 Cr. which is more than the arrear collected by the licensees. The CEO, CESU stated that they have given utmost priority in collection of arrear for which the arrear added during the 2nd half of the financial year 2009-10 has reduce drastically. The arrear as on 31.03.2010 was 1379.46 which had rose up to 1501.84 Cr as on 30.09.2010 ie an addition of 122.38 Cr (1501.84-1379.46). However, the arrear at the end of the FY 2010-11 stood at Rs 1447.46 Cr i.e a net reduction of arrear by Rs54.38 Cr. (1501.84-1447.46) during the 2nd half of the FY 2010-11. More over the addition of the arrear in EHT and Govt. sector during FY 2010-11 is negligible.

Further Directives:

The Commission while expressing satisfaction for the performance of CESU for the fact that its arrear collection is 80% of the arrear addition during FY 2009-10, directed the licensees to strengthen its grip further in collection of arrear in LT sector. The licensees most achieve the target fixed by the Commission for its own survival. There must be a net reduction in cumulative arrear during the 1st half of the FY 2011-12 as it happened during the 2nd half of the FY 2010-11. 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 and to regularize the new connections.

Arrear for Govt Dept & PSU

21. Directives:

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

Achievement:

CESU is taking immediate step in instructing field officers to reconcile the dues against the concerned departments. After reconciliation the name of the defaulting organisation will be reported to concerned Special Treasury, Treasury and Sub-treasury. With their top priority Rs.214 Cr. was collected against billing of Rs.233 Cr. from the Govt. Sector. The rest amount about Rs. 19 Cr that was not collected mostly relate to urban local bodies.

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.

Target for Franchisees Operation

22. Directives:

CESU was instructed to introduce 100 Micro and at least 6 Macro Franchisees in its area of operation during 2010-11. The target was again revised during the meeting on performance of franchisees on 25-10-2010. Accordingly, CESU should cover 250 micro franchisees by end of the year. With each micro franchise covering 5 numbers of 100 KVA DTRs and approximately 100 consumers per DTR, the number of consumers covered under micro-franchisee should have been at least 1, 25,500.

Achievement:

Against the target of 1, 25,500 CESU has covered 4,40,441 nos of consumer under Franchise. 20 nos of Macro-Franchisees are working in 9 sub-divisions and 16 sections. 227 women Self Help Groups are working in 227 Gram Panchayats. Apart from that Enzen Global has been operating with Input based franchisee in Jagatsinghpur sub-division. The performance of Micro-Franchise as given below.

1. **PERFORMANCE OF WOMEN SHGS IN NAYAGARH**

- Women SHGs are working as Franchisees in all the GPs of Nayagarh District.
- Nayagarh Division has achieved 113% of its Feb-March Target which is the highest (Rs. 591.95 against target of Rs. 525.98 lakh)
- Women SHGs has collected Rs. 189.95 lakh against their target of Rs. 97.61 lakh.
- LT Realization per unit has increase by 33% which is among the top six division (From Rs. 0.99/unit to Rs.1.33/unit)
- Distribution loss has reduced by 7% i.e from 56% to 49%
- AT & C loss reduced by 10 16% i.e from 61% to 50% which is highest among all the Divisions

2. **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. Month to Rs. 10.91 Cr./Month with a additional cost of Rs. 36 lakh/Month. Also Rs. 38 lakh is saved due to engagement of franchisees for meter reading & collection

Further Directives:

While appreciating the effort of licensees the Commission directed to strengthen the Franchise operation in CESU area so as to put-forth a model of operation in Electricity Distribution business for others DISCOMs of the State.

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:

In CESU energy audit of 33KV feeders has been achieved to the tune of 50% but energy audit of 11KV feeders has not reached to that level. Some of the feeder sowing comparatively high level loss given below:

ENERGY AUDIT OF 33KV FEEDER UNDER CESU(Anexure-1)							
Name of 33 KV Feeder		Sending energy at OPTCL s/s		Input Energy to 33/11KV s/s		% of Loss in 33KV System	
Jatani		8.951		7.403		17.29	
Tangi		10.725		8.52016		20.55..	
Badachana							
TIRTOL		2.114		1.939		8.26	
Nadiaguarudi		7.3388		6.930		5.5704	
OMC		0.65		0.59		9.231	
Aul-Pattamundai		0.0027		0.002		25.92	
Pattamundai		6.0958		5.568		8.66	
Aul							
ENERGY AUDIT OF 11KV FEEDER UNDER CESU							
Name of the 11 KV feeder	Length of the tail end. KM	Numer of DTR KVA	Energy Input MU	Billing to HT Consumers MU	Billing to LT Ind. MU	Total billing MU	% of 11 KV Feeder loss
Raj Bhawn	1.1 KM	750	0.025	0.022 MU		0.022	10.859
Manche--2			1.255		1.012	1.0387	17.309
BPCL	0.78	500	0.02	0.02		0.02	2.09
Zenith Car	0.2	500	0.021	0.02		0.02	5.35

The achievement in metering of distribution transformer has deteriorated to (9421/25848) 36 % from 39 % during the last review meeting, which needs to be improved. It is a matter of concern that instead of increasing the percentage of 33 KV and 11 KV metering in CESU has decreased by 37.61% and 14.61 % respectively.

Further Directives:

Energy audit for at least 50 % of the feeders should be completed by 1st 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:

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

Achievement:

Under direction of the Commission for infrastructure development CESU has adopted various activities like upgradation and additional installation of distribution transformers to reduce the failure of transformers gradually to 50%. With their better maintenance the number of interruptions both in 11 KV as well as 33 KV feeders has come down. In order to provide better consumer services CESU has opened call centres in its area of operation. The present call centres are run by Phoenix, Vizag to provide following services.

- ✓ Receives complains on fuse calls
- ✓ Receives complains on Meter Readings and Billings.

- ✓ Operation of collection counter from 8 AM to 8 PM.
- ✓ New Service connection within 3 to 7 days.
- ✓ The customer will only submit the filled up application form and the remaining work will be carried out by Phoenix with the help of departmental staff.

Further Directives:

While appreciating the initiatives of the licensee the Commission directed to look beyond the METRO divisions. 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:

CESU has provided with a list of 236 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 190 of the above are yet to be submitted. Since then 42 more complaints have been forwarded for action upto March, 2011.

Further Directives:

The Commission while retreating its earlier direction stressed for early settlement of consumer grievances.

Implementation of GRF Orders

26. Directives:

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

Achievement:

Regarding disposal of consumer complaint for the year 2010-11 as reported by the respective GRFs, 982 cases of GRF Bhubaneswar are registered, 978 disposed and 4 pending by CESU as on March, 2011, 330 cases of GRF Cuttack are registered, 311 disposed and 19 pending as on March, 2011, 134 cases of GRF Khurda are registered, 106 disposed and 28 pending for as on March, 2011, 187 cases of GRF Dhenkanal are registered, 157 disposed and 30 pending as on March, 2011, 245 cases of GRF Paradeep are 196 disposed and 49 pending as on March, 2011.

Regarding implementation of GRF Order by the utilities, very few GRFs have provided information in proper format on monthly basis as directed. As per reports submitted 402 cases are pending for implementation by NESCO as on April, 2011. 143 cases were pending for implementation by SOUTHCO as on April, 2011, 497 with WESCO (except Rourkela) and 120 cases pending with CESU (Dhenkanal updated to March, 2010).

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.

Inquiry 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:

The Commission finds that Energy Police Stations (EPS) are yet to show their effectiveness. In the ARR approved for CESU for FY 2010-11 the cost allowed for maintenance of Energy Police Station is Rs.4.8 Cr. So CESU should realize minimum 10 times of these amount by conducting raids in its areas of operation which works out to be nearly Rs.24 Cr. However the licensee has collected Rs 15.77 Cr only by conducting raids in various consumers. Further 416 nos of persons are arrested against 384 cases booked in spl.court /criminal courts.

However, COO, CESU stated that although 7 nos. of EPS has started functioning as on 31.03.2011 at Bhubaneswar, Cuttack, Puri, Nayagarh, Dhenkanal, Angul and Kendrapara they are yet to be fully operationalized. Vacancies in Energy Police Stations need to be filled up. The Energy Police Stations should act on a dedicated basis in tandem with the DISCOMs under administrative control of Department of Energy. The frequent diversion of police officials of EPS for maintaining law and order situation has been observed. He requested the Commission to take up the matter with Govt. for effective utilization of Energy Police Stations.

Further Directives:

The Commission while reiterating its earlier direction and stressed for effective utilization of energy police stations. CVO is to ensure proper coordination with the ensuing police station and MRT staff to launch broad based attack on theft of energy by consumers like industries, commercial establishments, hotels, nurshing homes, vehicle-shops, fabricating units, shopping malls, petrol tanks, professional institutes,

Action taken with report of EMR ,Vigilance cell & voluntary declaration of load by the employees of DISCOMs

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 CESU to clean up its own house by taking action against the employees of the CESU directly or indirectly indulging in theft of energy.

Achievement:

The, CEO, CESU in his reply stated that they have created an analysis wing, Loss Control and MRT squads to cross check the defective billings as well as to take action against errant and unscrupulous officials of the licensee. The following table shows the sincerity of the licensee to take punitive action against the non-performing employees:

Action taken against non-performing employees

- Explanation asked : 15 employees
- Show-cause notice issued : 37 employees
- Proceedings : 29 employees
- Punishment imposed : 17 employees
- Meter readers dismissed : 3 nos.
- Termination of meter reading agencies : M/s. N-soft for Nayagarh Division, M/s. Sterling Transformers for Dhenkanal Electrical Division.

Further Directives:

The Commission while reiterating its earlier direction opines that the action taken as per the list provided by the licensee is notional only. All divisions except Metro Divisions have failed to achieve the collection target but little action has been taken against the officers concerned. The non-performing and poor performing EEs and SEs should be targeted first.

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 COO, CESU stated that they are trying their best to increase revenue & reduce theft. For reducing AT&C Loss of HT & EHT level, AMR modems area being installed at industrial units. Regular load survey analysis from dump report obtained

through meter reading instruments is being carried out to detect any possibility of threat of energy pilferage and subsequent remedial actions are being taken in case of detection of any abnormality. The following new initiatives are to be undertaken during 2012 to streamline meter reading, billing and collection.

New initiatives to Improve Billing and Collection

1) Meter Readers:

- A strategy is being adopted where a mix of Franchisees, Meter Reading Agencies & our internal team consisting of Ex-service man will be used as Meter Readers.
- Six lakh consumers will be covered by Ex-Servicemen, 5 lakh consumers will be covered by franchisees & remaining 3 lakh consumers will be covered by Meter Reading Agencies

2) Feeder Managers

- Out of 6.23 nos. of 11 KV feeders 410 nos. of feeders are identified where Junior Managers are declared as feeder managers. They will be responsible for streamlining meter reading, billing & collections activities by fixing accountability on linemen, so that overall AT&C loss is reduced.
- Remaining Exercise will be completed by August'11 once Metering Units are procured & intersection points are metered.

3) Installation of RF based static Energy Meters (both single and three phases)

- This will be implemented by M/s Enzen Global Solutions Pvt. Ltd
- This Pilot Project on RF Metering will cover 5000 consumers

Further Directives:

The LT Realisation Per Input achieved by CESU is 143.87 against BST fixed by the Commission at 180.5 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

A) Low voltage in Cuttack and Ful nakhara area due to Bidanasi-Chandaka-Mancheswar-Cuttack 132 KV Line constraint

Reply-OPTCL

This problem will be eliminated after completion of Paradeep and Jagatsinghpur link by November 2011.

B) Low voltage in Khurda area due to Chandaka-Khurda area due to line constraint.

Reply-OPTCL

After completion of Karadagada 220/132 KV S/s between Banki and Khorda this problem will be sorted out.

C) Low voltage in Bhubaneswar area

Reply-OPTCL

An 40 MVA transformer has been installed at Chandaka. After which much has been improved in Mancheswar area. With completion of 33 KV line between Nayapali and Chandaka the present load on Ranasingpur will be decreased the voltage profile of both Ranasinghpur and Napalli will be improved.

Directives of the Commission

All the OPTCL substations must be completed with in the schedule time.

32. **Implementation of Safty Measures**

The DISCOMs should identify the critical distribution network for inspection on urgent and priority basis. Apart form 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 organistion 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.

(D)CONCLUSION

33. **The overall performance of CESU during the 2nd half of the FY 2010-11 has improved but it is not upto the expected level in different aspects. Though there is a reduction of loss and the performance of CESU is best among all DISCOMs it is well behind the target set by the Commission in various aspects. Unless, the performance of CESU is improved further during the next financial year which the CEO has promised, it will be difficult for the licensee to improve the quality of supply in its area of operation. This is a matter of serious concern for the consumers and for the employees of the CESU whose sustenance depends on substantial improvement in its performance particularly in the matter of AT&C loss reduction and collection of arrear and redressal of consumer grievances.**

RECOMMENDATION OF THE TECHNICAL ENQUIRY COMMITTEES	
CESU	
Name of the Divn.	Deficiencies to be sorted out
BCDD-I, BBSR,	The five nos of rings as envisaged (Ring-I-Mancheswar-Board Colony-Sahid Nagar-Rasulgarh, Ring-II-Chandaka-Unit-8-Unit-6-Unit-3-Unit-4, Ring-III-Sijua-Bhimtangi, Badagada-Laxmisagar, Ring-IV-Chandaka-Xavier-Nayapalli, Ring-V-Sijua-Kalinga Nagar-Bharatpur-Baramunda should be operational with provision of directional over current relay. 33 KV take of arrangement from 132/33 KV S/S at Bargarh and Phulnakhara should be planned. New HT Maintenance team should be created.
BCDD-II, BBSR,	
BED, BBSR,	
NED, Nimapada,	Up-gradation of Uttara, Nimapara and Astarang S/S, erection of new 33/11 KV S/S at Naharkanta(BED) and Bayakunda near Gop(NED). Alternative 33 KV supply from Puri to Konark should be planned.
PED, Puri,	Sakhigopal & Delang 33/11 KV S/S to be up-graded. 11 KV line in Puri to be converted to 33 KV. Each 33/11 KV S/S should have denote line incoming. All 33/11 KV S/S in Puri should have 3.15 KV transformers. Conductr size should be upgraded. VCBs should be provided at 33/11 KV S/Ss.
NED, Nayagarh,	Up-gradation of Khandapada feeder and up-gradation of Odagaon, Nayagarh and Itamati S/Ss are required. All 33 KV conductors should be up-graded to 100 MM ²
KED, Khurda,	Up-gradation of 33 KV S/S at Khurda Town, Balogaon, I.E., Khurda and Tangiis required. New 33/11 KV S/S at Raigiripur, Chatabar, Gopalpur and Pitapali is required.
BED, Balugaon	New 33/11 KV S/S at Bhusandpur is required
CED, Cuttack	2nd 33 KV circuit from Choudwar-Chatia through Tangi. New 33/11 KV S/S/ at Debi - Kandala Island. Proposal of EMR Division, Cuttack (No.321 dt.19.06.2007) for up-gradation of existing 33/11 KV S/S should be implemented.
CDD-I, Cuttack	Up-gradation of 5 MVA transformer at Kalinga S/S. 4 numbers of 33/11 KV S/S of suitable capacity in Bidanasi-CDA area may be investigated. New 2X5 MVA S/S at matamatha, Satichaura, sector-2 Bidanasi and at OSAP premises near OMP Square should be planned. 2nd 33 KV circuit from Bidanasi grid to 33/11 KV s/s at sector-6 should be constructed and linked with sector-3 S/S. Another 33/11 KV 5 MVA trnsformar at Kalinga S/S. Replacement of single phase transformers with 3 phase ones.
CDD-II, Cuttack	New 33 KV lines o flength 10.501 KM. Up-gradation of 11 nos of 100 KVA transformer to 250 KVA and 19 nos of 250 KVA trnsformer to 500 KVA .
JED, Jagatsinghpur	33/11 KV S/S at Nahangori, Nuapatna and Naugaon. 33 KV 2nd circuit from Jagatsingour grid to 33/11 KV S/S at Balikuda and Tirtol. Existing capacity of Jagatsinghour, Balikuda and Tirtol 33/11 KV S/S should be augmented.
SED, Salipur	New 33/11 KV S/S at Orikanta and Asureswar. Interconnection between Salipur grid with Choudwar grid by new 33 KV line from Salipur grid to 33/11 KV S/S at Bahugram. Interconnection between Salipur and Kendrapara grid by interlinking 33/11 KV S/S/ Danpur with Nischintakoili.
AED, Athagarh	33/11 KV S/S at Gurudijhatia and Kamaladiha.
KED-II, Marshaghai	33/11 kV S/S at Bhutmundai & Chatua.. Augmentation of Paradeep, Kujang and Marsaghai 33/11 KV S/S.
KED-I, Kendrapara	2nd 33 KV circuit from Kendrapara grid to 33/11 KV S/S/, Kendrapara. New S/S at Chhagharia, Chatara, Chakuda, Tigiria, Bhuinpur, Olavar and Ghodiamal. Up-gradation of Kendrapara, Danpur, Indupur and Pattamundai 33/11 KV S/S.
KED-II, Marshaghai	New S/S at Bhutmundai, Chatua. Up-gradation of Paradeep, Kujang and Marsaghai 33/11 KV S/S
TED, Chainpal	The construction of 2.8 KM new 33 KV line from OHPC to join the nearest cut point of OHPC-Khamar 33 KV feeder. 11 KV Banarpal Kular Feeder should be up-graded to 100 MM ² 33 KV incoming breakers to be provided at all 33/11 KV S/S.
AED, Angul	Jarpada 1.6 MVA transformer should be up-graded to 3.15 MVA. 1.6 MVA trnsformer at Chendipada to be up-graded to 3.15 MVA transformer. 33 KV breakers at industiral estate, RCMS and Chendipada to be commissioned.
DED, Dhenkanal	Short 33 KV span to be drawn for Goda and other mines. Kalarangi-Goda 33 KV line to be constructed. 5 MVA transformer at College structure S/S, Dhenkanal to be up-graded to 8 MVA. 33/11 KV S/S at Dhakshnakali should be completed. Up-gradation of Hindol Road S/S from 1.6 MVA to 3.15 MVA