

**SOUTHERN ELECTRICITY SUPPLY COMPANY OF ORISSA LTD**

**COMPARISION OF LOSS ASSESSMENT OF 33 KV NETWORK**

SL NO	NAME OF THE 132/33 KV GRID SUBSTATION	SL NO	NAME OF THE 33 KV FEEDER	FOR THE MONTH OF MAY-09				REMARKS
				ENERGY I/P (MU)	ENERGY O/P (MU)	UNIT LOST (MU)	% LOSS	
1	Bhanjanagar	1	Bhanjanagar	4.41	4.32	0.09	2.05%	
		2	Khetriya Berhampur	3.06	2.99	0.07	2.32%	
		3	Belaguntha	3.96	3.87	0.09	2.22%	
		4	soroda	2.95	2.92	0.03	1.06%	
5	soroda							
2	Aska	6	Budhamba	8.890	7.982	0.91	10.21%	The loss is high due to lengthy feeder,however a grid s/s is proposed at P.S PUR to reduce the loss
		7	Aska	3.386	3.381	0.004	0.13%	
		8	Buguda	3.32	3.23	0.09	2.70%	
		9	Nuagaon	3.397	3.373	0.025	0.73%	
3	Phulbani	10	Kalinga	1.38	1.33	0.05	3.65%	
		11	Baliguda	1.37	1.31	0.06	4.06%	
		12	Kahjuriapada	0.19	0.19	0.00	2.40%	
		13	Phulbani	1.76	1.72	0.04	2.47%	
		14	Boudh	2.67	2.57	0.10	3.92%	
4	Sonepur	15	Manamunda	2.05	1.94	0.10	5.11%	
5	Mohana	16	Parlakhmundi	0.808	0.785	0.02	2.76%	
		17	Daringbadi(Brahmanigaon)	0.640	0.633	0.01	1.03%	
6	Parlakhmundi	18	Parlakhmundi (Old)	1.344	1.316	0.03	2.14%	
		19	Upalada	1.250	1.216	0.03	2.75%	
		20	Parlakhmundi (New)	1.430	1.396	0.03	2.38%	
7	Rayagada	21	Auto nagar	3.650	3.608	0.04	1.15%	
		22	8 MVA grid side	1.704	1.685	0.02	1.13%	
		23	Gunupur	5.888	5.577	0.31	5.29%	
24	Kasinagar							
8	Therubali	25	Bissamcuttack	1.659	1.624	0.04	2.11%	
		26	Siliput					
9	Chatrapur	27	Berhampur	0.00	0.00	0.00	0.00%	33/11 Ram ch. Pur taken supply through Tisco feeder
		28	Badamadhapur	0.492	0.490	0.002	0.38%	
		29	Tisco	0.565	0.542	0.023	4.03%	
		30	Taratarini	4.607	4.478	0.129	2.81%	
		31	Chatrapur	13.116	12.338	0.778	5.93%	
32	Khallikote							
10	Balugam	33	Khallikote	6.668	6.668	0.000	0.00%	
11	Ganjam	34	JCL					
		35	Digapahandi	3.176	3.150	0.026	0.82%	
12	Digapahandi	36	Pudamari	1.950	1.930	0.020	1.02%	
		37	Adapada	3.353	3.281	0.071	2.13%	
		38	Chikiti	6.015	5.757	0.258	4.29%	
39	Chikiti							

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13	Berhampur	40	Luchapada	2.804	2.780	0.0236	0.84%	33 KV meter defective
		41	Berhampur-1	5.112	5.053	0.0591	1.16%	
		42	Berhampur-2	7.529	7.393	0.1359	1.80%	
		43	Hinjli	4.696	4.626	0.070	1.49%	
		44	Konisi	2.032	2.013	0.0190	0.93%	
14	Narendrapur	45	Medical	6.487	6.403	0.0840	1.29%	
		46	Narendrapur	1.581	1.560	0.0211	1.33%	
		47	Ambapua	1.047	1.035	0.0120	1.14%	
		48	Rangeilunda	2.267	2.235	0.0317	1.40%	
		49	MES	0.510	0.506	0.0040	0.78%	
15	Sunabeda	50	Laxmipur	1.397	1.332	0.07	4.66%	The length of the 33KV Laxmipur feeder is more than 50 Km. So % loss is high.
		51	Sunki	1.994	1.917	0.08	3.87%	
		52	Nandapur	1.702	1.707	-0.01	-0.30%	
		53	Koraput	4.649	4.479	0.170	3.65%	
		54	Sunabeda					
16	Jayanagar	55	Jeypore-1	1.915	1.900	0.02	0.80%	
		56	Jeypore-2	1.916	1.843	0.07	3.79%	
		57	New Bus Stand	1.637	1.619	0.02	1.12%	
		58	Borigumma	2.927	2.753	0.17	5.94%	
		59	Sewa-1	0.554	0.557	-0.003	-0.54%	
		60	Sewa-2	1.287	1.336	-0.05	-3.80%	
		61	Kolab -1	0.340	0.331	0.009	2.57%	Average consumption taken
		62	Kolab -2					
		63	Malkangiri	0.781	0.741	0.04	5.10%	
		17	Balimela	64	Malkangiri	3.456	3.197	0.26
65	Chittrakonda			2.563	2.332	0.23	9.02%	
18	Tentulikhunti	66	Nabarangapur-1	4.701	4.364	0.34	7.17%	
		67	Nabarangapur-2	2.795	2.686	0.11	3.90%	
		68	Indravati	0.739	0.720	0.019	2.53%	Main meter R-ph PT missing
		69	Mukhiguda					
		70	Podaguda					
<b>TOTAL</b>				<b>170.53</b>	<b>165.02</b>	<b>5.51</b>	<b>3.23%</b>	