

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 JUL-09				REMARKS
				ENERGY I/P (MU)	ENERGY O/P (MU)	UNIT LOST (MU)	% LOSS	
1	Bhanjanagar	1	Bhanjanagar	4.26	4.17	0.09	2.21%	
		2	Khetriya Berhampur	2.92	2.83	0.09	3.15%	
		3	Belaguntha	3.76	3.66	0.10	2.63%	
		4	soroda	2.93	2.82	0.11	3.76%	
5	soroda							
2	Aska	6	Budhamba	9.15	8.14	1.01	11.07%	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	3.47	3.44	0.024	0.70%	
		8	Buguda	3.77	3.63	0.14	3.81%	
		9	Nuagaon	3.21	3.18	0.025	0.77%	
3	Phulbani	10	Kalinga	1.21	1.15	0.06	4.78%	
		11	Baliguda	1.38	1.33	0.05	3.65%	
		12	Kahjuriapada	0.19	0.18	0.01	3.19%	
		13	Phulbani	2.12	2.06	0.05	2.53%	
		14	Boudh	2.00	1.93	0.07	3.34%	
4	Sonepur	15	Manamunda	1.80	1.72	0.08	4.35%	
5	Mohana	16	Daringbadi(Brahmanigaon)	0.739	0.713	0.03	3.45%	
		17	Parlakhamundi	2.037	1.941	0.10	4.73%	
6	Parlakhamundi	18	Upalada					
		19	Parlakhamundi (Old)	1.406	1.391	0.02	1.08%	
		20	Parlakhamundi (New)	1.384	1.357	0.03	1.94%	
		21	Kasinagar	2.272	2.154	0.12	5.19%	
7	Rayagada	22	Auto nagar	3.560	3.537	0.02	0.66%	
		23	8 MVA grid side	1.576	1.563	0.01	0.83%	
		24	Gunupur	0	0	0.00	0.00%	Load diverted to Auto nagar Fdr.
8	Therubali	25	Bissamcuttack	3.206	3.008	0.20	6.17%	
		26	Siliput	1.562	1.524	0.04	2.46%	
9	Chatrapur	27	Berhampur	0.00	0.00	0.00	0.00%	33/11 Ram ch. Pur taken supply through Tisco feeder
		28	Badamadhapur	0.496	0.491	0.005	1.04%	
		29	Tisco	0.541	0.536	0.005	0.97%	
		30	Taratarini	4.189	4.052	0.137	3.27%	
		31	Chatrapur	12.288	11.689	0.599	4.88%	
10	Balugam	32	Khallikote					
11	Ganjam	33	Khallikote					
		34	JCL	6.414	6.414	0.000	0.00%	
12	Digapahandi	35	Digapahandi	3.285	3.256	0.029	0.88%	
		36	Pudamari	1.901	1.886	0.015	0.80%	
		37	Adapada	3.964	3.864	0.100	2.51%	
		38	Chikiti	5.867	5.665	0.201	3.43%	
39	Chikiti							

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13	Berhampur	40	Luchapada	2.736	2.701	0.0351	1.28%	33 KV meter defective
		41	Berhampur-1	4.789	4.732	0.0570	1.19%	
		42	Berhampur-2	6.676	6.554	0.1219	1.83%	
		43	Hinjli	4.320	4.259	0.061	1.41%	
		44	Konisi	2.023	2.002	0.0217	1.07%	
14	Narendrapur	45	Medical	5.546	5.484	0.0624	1.13%	
		46	Narendrapur	1.505	1.489	0.0164	1.09%	
		47	Ambapua	0.984	0.976	0.0076	0.77%	
		48	Rangeilunda	2.174	2.147	0.0267	1.23%	
		49	MES	0.512	0.520	-0.0084	-1.65%	
15	Sunabeda	50	Laxmipur	1.244	1.186	0.06	4.69%	The length of the 33KV Laxmipur feeder is more than 50 Km. So % loss is high.
		51	Sunki	1.782	1.776	0.01	0.31%	
		52	Nandapur	1.810	1.804	0.01	0.33%	
		53	Koraput	4.335	4.171	0.164	3.78%	
54	Sunabeda							
16	Jayanagar	55	Jeypore-1	1.481	1.469	0.01	0.84%	
		56	Jeypore-2	1.750	1.737	0.01	0.77%	
		57	New Bus Stand	1.624	1.585	0.04	2.40%	
		58	Borigumma	3.030	2.831	0.20	6.55%	
		59	Sewa-1	0.567	0.563	0.003	0.61%	
		60	Sewa-2	1.133	1.163	-0.03	-2.70%	
		61	Kolab -1	0.396	0.385	0.010	2.64%	Average consumption taken
		62	Kolab -2					
		63	Malkangiri	0.781	0.745	0.04	4.57%	
		17	Balimela	64	Malkangiri	3.055	2.821	0.23
65	Chittrakonda			0.719	0.687	0.03	4.48%	
18	Tentulikhunti	66	Nabarangapur-1	4.668	4.328	0.34	7.28%	
		67	Nabarangapur-2	2.730	2.621	0.11	3.99%	
		68	Indravati	0.810	0.779	0.031	3.78%	Main meter R-ph PT missing
		69	Mukhiguda					
		70	Podaguda					
TOTAL				162.049	156.826	5.22	3.22%	