

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 JUN-09				REMARKS
				ENERGY I/P (MU)	ENERGY O/P (MU)	UNIT LOST (MU)	% LOSS	
1	Bhanjanagar	1	Bhanjanagar	4.18	4.09	0.08	1.99%	
		2	Khetriya Berhampur	2.98	2.89	0.09	2.91%	
		3	Belaguntha	3.78	3.67	0.11	3.01%	
		4	soroda	2.82	2.75	0.08	2.66%	
5	soroda							
2	Aska	6	Budhamba	8.497	7.652	0.85	9.95%	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	3.268	3.246	0.022	0.67%	
		8	Buguda	3.40	3.34	0.06	1.77%	
		9	Nuagaon	3.080	3.054	0.026	0.85%	
3	Phulbani	10	Kalinga	1.09	1.06	0.03	2.36%	
		11	Baliguda	1.25	1.21	0.03	2.64%	
		12	Kahjuriapada	0.18	0.17	0.01	3.86%	
		13	Phulbani	1.79	1.72	0.06	3.57%	
		14	Boudh	2.31	2.24	0.06	2.62%	
4	Sonepur	15	Manamunda	1.60	1.54	0.06	3.55%	
5	Mohana	16	Parlakhmundi	0.691	0.689	0.00	0.27%	
		17	Daringbadi(Brahmanigaon)	0.684	0.669	0.01	2.15%	
6	Parlakhmundi	18	Parlakhmundi (Old)	1.208	1.186	0.02	1.83%	
		19	Upalada	1.120	1.055	0.06	5.75%	
		20	Parlakhmundi (New)	1.293	1.277	0.02	1.25%	
7	Rayagada	21	Auto nagar	3.580	3.520	0.06	1.67%	
		22	8 MVA grid side	1.633	1.610	0.02	1.40%	
		23	Gunupur	0	0	0.00	0.00%	Load diverted to Auto nagar Fdr.
	Parlakhmundi	24	Kasinagar	2.091	1.954	0.14	6.54%	
8	Therubali	25	Bissamcuttack	3.140	2.950	0.19	6.07%	
		26	Siliput	1.580	1.541	0.04	2.44%	
9	Chatrapur	27	Berhampur	0.00	0.00	0.00	0.00%	33/11 Ram ch. Pur taken supply through Tisco feeder
		28	Badamadhapur	0.469	0.457	0.012	2.51%	
		29	Tisco	0.518	0.515	0.003	0.53%	
		30	Taratarini	4.289	4.148	0.141	3.28%	
		31	Chatrapur	11.819	11.329	0.491	4.15%	
10	Balugam	32	Khallikote					
11	Ganjam	33	Khallikote					
		34	JCL	4.883	4.883	0.000	0.00%	
12	Digapahandi	35	Digapahandi	3.110	3.093	0.017	0.54%	
		36	Pudamari	1.675	1.666	0.009	0.54%	
		37	Adapada	3.474	3.415	0.059	1.70%	
		38	Chikiti	5.523	5.398	0.125	2.26%	
39	Chikiti							

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13	Berhampur	40	Luchapada	2.700	2.671	0.0294	1.09%	33 KV meter defective
		41	Berhampur-1	5.017	4.941	0.0760	1.51%	
		42	Berhampur-2	7.108	6.863	0.2451	3.45%	
		43	Hinjli	4.271	4.210	0.061	1.43%	
		44	Konisi	1.993	1.956	0.0362	1.82%	
14	Narendrapur	45	Medical	6.142	6.009	0.1333	2.17%	
		46	Narendrapur	1.425	1.407	0.0179	1.26%	
		47	Ambapua	1.037	1.034	0.0029	0.28%	
		48	Rangeilunda	2.080	2.058	0.0217	1.04%	
		49	MES	0.535	0.513	0.0225	4.20%	
15	Sunabeda	50	Laxmipur	1.320	1.264	0.06	4.24%	The length of the 33KV Laxmipur feeder is more than 50 Km. So % loss is high.
		51	Sunki	1.829	1.810	0.02	1.07%	
		52	Nandapur	1.693	1.681	0.01	0.68%	
		53	Koraput	4.310	4.168	0.142	3.30%	
16	Jayanagar	54	Sunabeda					
		55	Jeypore-1	1.544	1.530	0.01	0.88%	
		56	Jeypore-2	1.750	1.681	0.07	3.94%	
		57	New Bus Stand	1.807	1.756	0.05	2.83%	
		58	Borigumma	2.998	2.819	0.18	5.99%	
		59	Sewa-1	0.551	0.560	-0.009	-1.57%	
		60	Sewa-2	1.095	1.148	-0.05	-4.83%	
		61	Kolab -1	0.341	0.330	0.011	3.19%	Average consumption taken
		62	Kolab -2					
		63	Malkangiri	0.781	0.746	0.03	4.45%	
17	Balimela	64	Malkangiri	2.986	2.776	0.21	7.02%	
		65	Chitrakonda	0.661	0.624	0.04	5.59%	
18	Tentulikhunti	66	Nabarangapur-1	3.922	3.651	0.27	6.92%	
		67	Nabarangapur-2	2.564	2.454	0.11	4.31%	
		68	Indravati	0.725	0.645	0.080	10.98%	Main meter R-ph PT missing
		69	Mukhiguda					
		70	Podaguda					
TOTAL				156.17	151.31	4.86	3.11%	