

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 APR-09				REMARKS
				ENERGY I/P (MU)	ENERGY O/P (MU)	UNIT LOST (MU)	% LOSS	
1	Bhanjanagar	1	Bhanjanagar	4.30	4.13	0.16	3.77%	
		2	Khetriya Berhampur	3.05	2.98	0.06	2.04%	
		3	Belaguntha	3.97	3.78	0.19	4.69%	
		4	soroda	3.03	2.89	0.14	4.57%	
5	soroda							
2	Aska	6	Budhamba	9.09	8.18	0.91	10.03%	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	3.20	3.19	0.02	0.60%	
		8	Buguda	3.64	3.47	0.17	4.64%	
		9	Nuagaon	3.14	3.11	0.03	0.80%	
3	Phulbani	10	Kalinga	1.36	1.32	0.04	3.22%	
		11	Baliguda	1.53	1.44	0.10	6.43%	
		12	Kahjuriapada	0.19	0.18	0.01	4.17%	
		13	Phulbani	1.76	1.69	0.07	3.78%	
4	Sonepur	14	Boudh	2.70	2.58	0.13	4.68%	
		15	Manamunda	2.35	2.21	0.14	6.05%	
5	Mohana	16	Parlakhmundi	0.903	0.884	0.02	2.14%	
		17	Daringbadi(Brahmanigaon)	0.702	0.694	0.01	1.12%	
6	Parlakhmundi	18	Parlakhmundi (Old)	1.319	1.291	0.03	2.13%	
		19	Upalada	1.269	1.243	0.03	2.05%	
		20	Kasinagar	2.488	2.256	0.23	9.33%	
		21	Parlakhmundi (New)	1.301	1.264	0.04	2.85%	
7	Rayagada	22	Auto nagar	4.000	3.961	0.04	0.98%	
		23	8 MVA grid side	1.651	1.635	0.02	0.99%	
		24	Gunupur	1.973	1.925	0.05	2.41%	
8	Therubali	25	Bissamcuttack	2.043	1.9490	0.09	4.62%	
		26	Siliput	1.805	1.761	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	0.49	0.50	-0.01	-2.98%	
		29	Tisco	0.55	0.53	0.02	4.13%	
		30	Taratarini	4.90	4.73	0.16	3.34%	
10	Balugam	32	Khallikote	12.839	12.196	0.643	5.01%	
11	Ganjam	33	Khallikote					
		34	JCL	5.606	5.606	0.00	0.00%	
12	Digapahandi	35	Digapahandi	3.418	3.385	0.03	0.95%	
		36	Pudamari	1.949	1.931	0.02	0.94%	
		37	Adapada	3.744	3.646	0.10	2.62%	
		38	Chikiti	6.063	5.852	0.210	3.47%	
39	Chikiti							

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13	Berhampur	40	Luchapada	2.800	2.771	0.0293	1.05%	33 KV meter defective
		41	Berhampur-1	5.028	5.013	0.0142	0.28%	
		42	Berhampur-2	7.128	7.068	0.0595	0.83%	
		43	Hinjli	4.696	4.626	0.07	1.49%	
		44	Konisi	2.150	2.114	0.04	1.69%	
14	Narendrapur	45	Medical	6.101	6.039	0.06	1.01%	
		46	Narendrapur	1.544	1.530	0.01	0.89%	
		47	Ambapua	0.890	0.882	0.01	0.87%	
		48	Rangeilunda	2.195	2.171	0.02	1.08%	
		49	MES	0.506	0.513	-0.01	-1.35%	
15	Sunabeda	50	Laxmipur	1.623	1.542	0.08	4.94%	The length of the 33KV Laxmipur feeder is more than 50 Km. So % loss is high.
		51	Sunki	1.659	1.606	0.05	3.21%	
		52	Nandapur	1.912	1.930	-0.02	-0.94%	
		53	Koraput	4.215	4.070	0.15	3.45%	
16	Jayanagar	54	Sunabeda	0.349	0.333	0.02	4.66%	
		55	Jeypore-1	1.957	1.900	0.06	2.89%	
		56	Jeypore-2	1.982	1.910	0.07	3.66%	
		57	New Bus Stand	1.557	1.561	0.00	-0.26%	
		58	Borigumma	3.597	3.258	0.34	9.44%	
		59	Sewa-1	0.502	0.502	0.00	-0.12%	
		60	Sewa-2	1.039	1.055	-0.02	-1.53%	
		61	Kolab -1	0.349	0.340	0.009	2.61%	So average consumption taken .
		62	Kolab -2					
		63	Malkangiri	0.781	0.756	0.02	3.10%	
17	Balimela	64	Malkangiri	3.456	3.193	0.26	7.60%	
		65	Chitrakonda	2.760	2.480	0.28	10.15%	
18	Tentulikhunti	66	Nabarangapur-1	5.805	4.894	0.91	15.70%	
		67	Nabarangapur-2	2.978	2.843	0.14	4.54%	
		68	Indravati	0.773	0.750	0.024	3.06%	
		69	Mukhiguda					
		70	Podaguda					
TOTAL				172.654	166.048	6.606	3.826	