

**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 AUG-09				REMARKS
				ENERGY I/P (MU)	ENERGY O/P (MU)	UNIT LOST (MU)	% LOSS	
1	Bhanjanagar	1	Bhanjanagar	4.31	4.20	0.11	2.53%	
		2	Khetriya Berhampur	3.42	3.34	0.08	2.45%	
		3	Belaguntha	4.37	4.24	0.13	2.97%	
		4	soroda	3.54	3.41	0.12	3.50%	
5	soroda							
2	Aska	6	Budhamba	9.61	8.58	1.04	10.79%	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	3.68	3.65	0.029	0.79%	
		8	Buguda	4.21	4.07	0.15	3.49%	
		9	Nuagaon	3.61	3.59	0.027	0.74%	
3	Phulbani	10	Kalinga	1.35	1.29	0.05	3.92%	
		11	Baliguda	1.73	1.67	0.06	3.50%	
		12	Kahjuriapada	0.21	0.20	0.00	1.85%	
		13	Phulbani	2.11	2.05	0.06	2.83%	
		14	Boudh	2.49	2.39	0.11	4.22%	
4	Sonepur	15	Manamunda	2.18	2.08	0.10	4.43%	
5	Mohana	16	Daringbadi (Brahmanigaon)	0.857	0.833	0.02	2.81%	
		17	Parlakhmundi	2.549	2.434	0.12	4.54%	
6	Parlakhmundi	18	Upalada					
		19	Parlakhmundi (Old)	1.425	1.391	0.03	2.40%	
		20	Parlakhmundi (New)	1.429	1.388	0.04	2.83%	
		21	Kasinagar	6.402	5.821	0.58	9.08%	
7	Therubali	22	Bissamcuttack					
8	Rayagada	23	Siliput	1.830	1.757	0.07	3.95%	
		24	Auto nagar	3.780	3.751	0.03	0.77%	
		25	8 MVA grid side	1.691	1.672	0.02	1.15%	
		26	Gunupur	0	0	0.00	0.00%	Load diverted to Auto nagar Fdr.
9	Chatrapur	27	Berhampur	0.00	0.00	0.00	0.00%	33/11 Ram ch. Pur taken supply through Tisco feeder
		28	Badamadhapur	0.512	0.507	0.004	0.88%	
		29	Tisco	0.603	0.597	0.006	0.93%	
		30	Taratarini	4.930	4.757	0.174	3.52%	
		31	Chatrapur	13.907	13.230	0.677	4.87%	
10	Balugam	32	Khallikote					
11	Ganjam	33	Khallikote					
		34	JCL	6.739	6.739	0.000	0.00%	
12	Digapahandi	35	Digapahandi	3.657	3.628	0.028	0.78%	
		36	Pudamari	2.149	2.132	0.017	0.81%	
		37	Adapada	4.425	4.305	0.120	2.71%	
		38	Chikiti	6.420	6.298	0.122	1.90%	
39	Chikiti							

SL NO	NAME OF THE 132/33 KV GRID SUBSTATION	SL NO	NAME OF THE 33 KV FEEDER	FOR THE MONTH OF AUG-09				REMARKS
				ENERGY I/P (MU)	ENERGY O/P (MU)	UNIT LOST (MU)	% LOSS	
13	Berhampur	40	Luchapada	2.750	2.723	0.0274	0.99%	33 KV meter defective
		41	Berhampur-1	4.816	4.759	0.0570	1.18%	
		42	Berhampur-2	7.984	7.717	0.2676	3.35%	
		43	Hinjli	4.911	4.839	0.073	1.48%	
		44	Konisi	2.248	2.215	0.0326	1.45%	
14	Narendrapur	45	Medical	6.159	6.048	0.1112	1.81%	
		46	Narendrapur	1.632	1.611	0.0210	1.29%	
		47	Ambapua	1.104	1.095	0.0092	0.83%	
		48	Rangeilunda	2.364	2.333	0.0306	1.29%	
		49	MES	0.533	0.551	-0.0175	-3.29%	
15	Sunabeda	50	Laxmipur	1.551	1.477	0.07	4.77%	The length of the 33KV Laxmipur feeder is more than 50 Km. So % loss is high.
		51	Sunki	1.322	1.290	0.03	2.41%	
		52	Nandapur	1.897	1.885	0.01	0.60%	
		53	Koraput	4.727	4.559	0.168	3.54%	
54	Sunabeda							
16	Jayanagar	55	Jeypore-1	1.549	1.535	0.01	0.93%	
		56	Jeypore-2	1.990	1.986	0.00	0.21%	
		57	New Bus Stand	1.663	1.617	0.05	2.78%	
		58	Borigumma	3.338	3.122	0.22	6.47%	
		59	Sewa-1	0.530	0.575	-0.044	-8.39%	
		60	Sewa-2	1.116	1.159	-0.04	-3.83%	
		61	Kolab -1	0.390	0.382	0.008	2.10%	Average consumption taken
		62	Kolab -2					
		63	Malkangiri	0.890	0.847	0.04	4.82%	
		17	Balimela	64	Malkangiri	3.404	3.164	0.24
65	Chitrakonda			0.748	0.693	0.06	7.36%	
18	Tentulikhunti	66	Nabarangapur-1	5.067	4.742	0.33	6.42%	
		67	Nabarangapur-2	3.065	2.884	0.18	5.91%	
		68	Indravati	0.810	0.774	0.036	4.45%	Main meter R-ph PT missing
		69	Mukhiguda					
		70	Podaguda					
<b>TOTAL</b>				<b>178.682</b>	<b>172.573</b>	<b>6.11</b>	<b>3.42%</b>	