



**Performance Summary of Electricity Distribution Companies**

<b>1</b>	Period of Information Year of (FY) information including Date and Month (Start & End)	1st October, 2021 - 31st December, 2021	
<b>2</b>	<b>Technical Details</b>		
<b>(a)</b>	<b>Energy Input Details</b>		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	1255.62
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	1255.72
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	1109.70
<b>(b)</b>	Transmission and Distribution (T&D) loss Details	Million kwh	146.02
	Collection Efficiency	%	0.12 (19%)
	Aggregate Technical & Commercial Loss	%	89%
<b>(c)</b>		%	22%

I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss.

Authorised Signatory and Seal

Name of Authorised Signatory   
 Name of th TPNODL 04/04/22  
 Full Address: Janugani, Balasore-Pin 756019

**Dushyant Tyagi**  
 Chief-Operation Services  
 TPNODL

Signature:-   
 Name of Energy Manag Mr. Manish Kiplani  
 Registration Number:

Seal

Form-Details of Input Infrastructure

1		Total		Covered during in audit		Verified by Auditor in Sample Check		Remarks (Source of data)	
i	Number of circles		5						
ii	Number of divisions		16						
iii	Number of sub-divisions		50						
iv	Number of feeders		794						
v	Number of DTs		71357						
vi	Number of consumers		2051642						
2		66kV and above		33kV		11/22kV		LT	
a. i.	Number of conventional metered consumers		37		136		450		1959946
ii	Number of consumers with 'smart' meters		NA		NA		NA		NA
iii	Number of consumers with 'smart prepaid' meters		NA		NA		NA		NA
iv	Number of consumers with 'AMR' meters		37		136		450		NA
v	Number of consumers with 'non-smart prepaid' meters		NA		NA		NA		NA
vi	Number of unmetered consumers		NA		NA		NA		91696
vii	Number of total consumers		37		136		450		2051642
b. i.	Number of conventionally metered Distribution Transformers		NA		NA		2208		NA
ii	Number of DTs with communicable meters		NA		NA		608		NA
iii	Number of unmetered DTs		NA		NA		69149		NA
iv	Number of total Transformers		NA		NA		71357		NA
c. i.	Number of metered feeders		NA		94		306		NA
ii	Number of feeders with communicable meters		NA		94		49		NA
iii	Number of unmetered feeders		NA		NA		488		NA
iv	Number of total feeders		NA		94		794		NA
d.	Line length (ct km)				106237				
e.	Length of Aerial Bunched Cables				43774				
f.	Length of Underground Cables				401				
3		Voltage level		Particulars		MU		Reference	
								Includes input energy for franchisees	
								Long-Term Conventional	
								Medium Conventional	
								Short Term Conventional	
								Banking	
								Long-Term Renewable energy	
								Medium and Short-Term RE	

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4	Voltage level	Energy Sales Particulars	MU	Reference	
I	LT Level	DISCOM' consumers	546	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		Embedded generation used at LT level	0	Demand from embedded generation at LT level	
		Sale at LT level	546	FG Billing Source	
		Quantum of LT level losses	142	FG Billing Source	
		Energy input at LT level	688	FG Billing Source	
		DISCOM' consumers	129	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		Embedded generation at 11 kV level used	0	Demand from embedded generation at 11kV level	
		Sales at 11 kV level	129	FG Billing Source	
II	11 kV Level	Quantum of losses at 11 kV	4	FG Billing Source	
		Energy input at 11 kV level	133	FG Billing Source	
		DISCOM' consumers	129	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		Embedded generation at 11 kV level used	0	Demand from embedded generation at 11kV level	
		Sales at 11 kV level	129	FG Billing Source	
		Quantum of losses at 11 kV	4	FG Billing Source	
		Energy input at 11 kV level	133	FG Billing Source	
		DISCOM' consumers	129	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
III	33 kV Level	Embedded generation at 33 kV or below level	0	This is DISCOM and OA demand met via energy generated at same voltage level	
		Sales at 33 kV level	0		
		Quantum of losses at 33 kV	0		
		Energy input at 33kV Level	435		
		DISCOM' consumers	435,093	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		Cross border sale of energy	0		
		Sale to other DISCOMs	0		
		Banking	0		
		Energy input at > 33kV Level	435	FG Billing Source	
Sales at 66kV and above (EHV)	435	FG Billing Source			
Total Energy Requirement		1,256			
	Total Energy Sales	1,110			
IV	> 33 kV			FG Billing Source	
				BST Bill OPTCL	
				FG Billing Source	
				FG Billing Source	
				EHT Consumer-37	
5	DISCOM	Input (in MU)	546	Loss (in MU)	
		Sale (in MU)	142	Loss %	
Energy Accounting Summary					
I	LT	688	546	142	0.206432073
II	11 kV	133	129	4	0.030003093
III	33 kV	0	0	0	0
IV	> 33 kV	435	435,093	0	0

*Carroll*

Loss Estimation for DISCOM	
T&D loss	146
D loss	146
T&D loss (%)	0.116281886
D loss (%)	0.116281886

6	Open Access, Captive	Input (in MU)	Sale (in MU)	Loss (in MU)
I	LT	0	0	0
II	11 KV	0	0	0
III	33 KV	0	0	0
IV	> 33 KV	0	0	0

Details of Division Wise Losses (See note below)\*\*

Division Wise Losses

Period from October, 2021 to December, 2021

S.No	Name of circle	Name of Division	Consumer profile	Energy parameters										Losses										AT & C loss (%)
				Total Connected load (MW)	Total Connected load (MW)	% of connected load	Input energy (MU)	Metered energy (MU)	Unmetered/assessment energy (MU)	Total energy	% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency (%)								
50	Balsore	BED	Residential	1935	5148	82%	104.97	1.94	106.91	0.7%	15.16	1.95	16.355	28%	8.205	8.766	106.93%							
				Agricultural	67	68	0%	0.215	0.004	0.219	0%	0.052	0.019	0.071	0%	0.037	0.0295	79.73%						
				Commercial/Industrial-LT	5	5	100%	32.522	0.053	32.575	17%	9.41	0.554	9.695	17%	7.4247	6.1022	82.19%						
				Commercial/Industrial-HT	47	47	100%	21.204	0	21.204	11%	12.213	0	12.213	21%	9.5098	7.7944	102.99%						
				Others	53	20	37%	27.999	0.03	28.029	15%	19.4	0.661	20.061	34%	12.9813	15.8814	122.24%						
				Sub-total	78081	7011	100%	121.106	4.566	19.617	100%	10.1174	6.7321	38.1603	14%	38.1603	40.5841	106.35%						
				Residential	4966	76615	90%	90.341	5.088	95.409	79%	9.828	3.415	11.143	67%	6.1689	4.0539	65.22%						
				Agricultural	1681	1854	4%	6.443	5.016	11.459	9%	1.307	0.95	2.257	12%	0.7527	0.4129	54.64%						
				Commercial/Industrial-LT	3584	3970	5%	11.404	0.010	11.423	9%	2.654	0.139	2.817	14%	2.052	1.9194	93.6%						
				Commercial/Industrial-HT	1	1	0%	0.5	0	0.5	0%	0.214	0	0.214	1%	0.1602	0.1411	88.08%						
Others	786	185	1%	2.998	0.317	3.315	3%	1.048	0.138	1.186	6%	0.9744	0.2048	21.02%										
Sub-total	1961	6270	100%	186.91	2.027	188.937	100%	55.966	2.429	58.395	100%	9.822	40.5841	106.35%										
3	Dahanu	BED	Residential	97708	10736	90%	90.54	7.387	97.927	61%	12.66	16.738	38%	7.294	5.8887	80.73%								
				Agricultural	2522	4228	4%	10.778	7.73	18.508	11%	1.407	4.24	3.831	9%	1.2074	0.9073	75.14%						
				Commercial/Industrial-LT	4	4	0%	0.705	0	0.705	0%	0.186	0	0.186	0%	0.195	0.2233	124.40%						
				Commercial/Industrial-HT	4	4	100%	15.648	0.091	15.739	10%	4.178	0.773	4.445	10%	3.587	2.7331	81.13%						
				Others	1009	418	1%	27.667	28.11	44.44	17%	19.248	0.192	19.416	44%	11.808	11.1988	94.84%						
				Sub-total	107349	12887	100%	145.358	15.611	160.969	100%	37.651	6.965	44.616	100%	23.8576	20.9512	87.82%						
				Residential	103491	117601	100%	3.649	104.712	54%	18.046	4.029	22.075	40%	10.1177	5.4088	53.35%							
				Agricultural	2094	2310	2%	7.867	0.95	8.817	4%	2.511	0.212	2.782	5%	0.6095	0.0638	10.47%						
				Commercial/Industrial-LT	6147	6175	5%	23.757	0.035	23.792	12%	6.971	0.87	7.283	13%	5.8891	4.5708	80.34%						
				Commercial/Industrial-HT	52	52	0%	44.704	0	44.704	22%	16.763	0	16.763	31%	13.0783	14.8056	133.21%						
Sub-total	117601	12887	100%	106.320	4.310	201.048	100%	45.292	6.895	54.637	100%	32.1891	27.8081	86.15%										
4	Balsore	BED	Residential	117601	6531	100%	106.320	4.310	201.048	100%	45.292	6.895	54.637	100%	32.1891	27.8081	86.15%							
				Agricultural	135037	4037	92%	14.4	4.936	142.036	75%	20.428	3.998	24.392	58%	17.4277	14.4209	82.71%						
				Commercial/Industrial-LT	1739	1359	1%	6.918	0.738	7.656	4%	2.221	0.301	2.522	6%	0.5194	0.0447	8.71%						
				Commercial/Industrial-HT	719	719	5%	20.992	0.056	21.048	11%	5.854	0.278	6.122	15%	4.6862	3.0757	78.44%						
				Others	2080	196	1%	10.32	0.258	10.578	6%	3.988	0.690	7.357	18%	3.5181	2.4771	70.41%						
				Sub-total	146716	5970	100%	184.583	5.688	190.271	100%	37.026	4.846	41.872	100%	20.8987	15.2814	73.12%						
				Residential	170455	4770	93%	182.449	3.644	186.093	64%	34.661	4.721	38.782	47%	17.4617	11.2492	64.40%						
				Agricultural	766	32	0%	3.605	0.165	3.77	1%	0.818	0.14	0.958	1%	0.1884	0.0193	10.24%						
				Commercial/Industrial-LT	11510	63	0%	40.299	0	40.299	14%	22.76	0	22.76	25%	11.033	11.8948	118.18%						
				Commercial/Industrial-HT	1594	50	1%	25.813	0.126	25.939	9%	17.928	0.403	18.331	20%	11.8416	11.4057	96.22%						
Sub-total	184356	4415	100%	293.043	3.982	293.043	100%	66.103	5.778	51.883	100%	49.4206	43.4206	91.71%										
5	Balsore	SED SORO	Residential	105251	4162	94%	99	4.019	103.019	72%	17.666	3.383	21.049	76%	7.9927	7.0287	77.28%							
				Agricultural	935	77	1%	4.735	0.331	5.066	4%	1.28	0.254	1.534	6%	0.3267	0.0382	11.69%						
				Commercial/Industrial-LT	4152	49	4%	13.468	0.069	13.537	10%	9.456	0.172	3.658	13%	2.7597	2.5496	92.39%						
				Commercial/Industrial-HT	10	0	0%	6.783	0	6.783	5%	0.390	0	0.390	1%	0.395	0.43	113.68%						
				Others	1148	86	1%	4.528	0.14	4.718	4%	0.911	0.086	0.997	4%	0.3932	0.47292	47.29%						
				Sub-total	111496	4374	100%	128.564	4.559	133.123	100%	23.209	3.895	27.604	100%	13.5006	10.5314	78.01%						
				Residential	216419	189	93%	206.014	0.12	206.134	74%	39.004	4.537	43.541	66%	19.418	11.8271	60.91%						
				Agricultural	2952	67	1%	9.922	0.3	10.222	4%	2.889	0.373	3.32	5%	0.6603	0.1154	17.48%						
				Commercial/Industrial-LT	11324	2	0%	6.781	0	6.781	3%	3.185	0	3.185	5%	2.6649	2.4819	93.13%						
				Commercial/Industrial-HT	2445	2	0%	11.708	0.002	11.708	4%	4.134	0.538	4.672	7%	3.46407	2.8587	86.19%						
Sub-total	233175	260	100%	276.545	0.452	276.997	100%	60.323	5.252	66.075	100%	34.6407	24.3113	70.18%										
6	Bhadrak	MED Bhadrak	Residential	9964	682	95%	70.635	0.411	71.040	73%	17.918	3.457	21.175	80%	9.6175	3.9327	40.87%							
				Agricultural	1143	57	1%	4.088	0.339	4.427	15%	1.088	0.181	1.246	5%	0.244	0.0458	18.97%						
				Commercial/Industrial-LT	3374	1	0%	11.519	0.001	11.52	13%	2.95	0.081	3.011	11%	2.943	1.8942	60.12%						
				Commercial/Industrial-HT	2	0	0%	0.252	0	0.252	0%	0.004	0	0.004	0%	0.0065	0.0274	135.76%						
				Others	1163	7	1%	2.899	0.012	2.851	3%	1.019	0.138	1.157	4%	0.9979	0.426	45.33%						
				Sub-total	105046	1170	100%	89.333	0.63	90.096	100%	22.957	3.836	26.793	100%	13.1798	6.3206	47.96%						
				Residential	193720	88	94%	147.406	0.53	147.459	76%	35.564	3.997	39.561	74%	18.2671	8.4083	46.03%						
				Agricultural	2650	1%	10.914	0.614	11.527	6%	2.556	0.255	2.811	5%	0.5422	0.0493	9.09%							
				Commercial/Industrial-LT	105046	747	100%	89.333	0.63	90.096	100%	22.957	3.836	26.793	100%	13.1798	6.3206	47.96%						
				Commercial/Industrial-HT	1170	1	0%	0.252	0	0.252	0%	0.004	0	0.004	0%	0.0065	0.0274	135.76%						
Sub-total	105046	1170	100%	89.333	0.63	90.096	100%	22.957	3.836	26.793	100%	13.1798	6.3206	47.96%										
7	Bhadrak	SED Bhadrak	Residential	105251	4162	94%	99	4.019	103.019	72%	17.666	3.383	21.049	76%	7.9927	7.0287	77.28%							
				Agricultural	935	77	1%	4.735	0.331	5.066	4%	1.28	0.254	1.534	6%	0.3267	0.0382	11.69%						
				Commercial/Industrial-LT	4152	49	4%	13.468	0.069	13.537	10%	9.456	0.172	3.658	13%	2.7597	2.5496	92.39%						
				Commercial/Industrial-HT	10	0	0%	6.783	0	6.783	5%	0.390	0	0.390	1%	0.395	0.43	113.68%						
				Others	1148	86	1%	4.528	0.14	4.718	4%	0.911	0.086	0.997	4%	0.3932	0.47292	47.29%						
				Sub-total	111496	4374	100%	128.564	4.559	133.123	100%	23.209	3.895	27.604	100%	13.5006	10.5314	78.01%						
				Residential	216419	189	93%	206.014	0.12	206.134	74%	39.004	4.537	43.541	66%	19.418	11.8271	60.91%						
				Agricultural	2952	67	1%	9.922	0.3	10.222	4%	2.889	0.373	3.32	5%	0.6603	0.1154	17.48%						
				Commercial/Industrial-LT	11324	2	0%	6.781	0	6.781	3%	3.185	0	3.185	5%	2.6649	2.4819	93.13%						
				Commercial/Industrial-HT	2445	2	0%	11.708	0.002	11.708	4%	4.134	0.538	4.672	7%	3.46407	2.8587	86.19%						
Sub-total	233175	260	100%	276.545	0.452	276.997	100%	60.323	5.252	66.075	100%	34.6407	24.3113	70.18%										
8	Bhadrapada	BED	Residential	9964	682	95%	70.635	0.411	71.040	73%	17.918	3.457	21.175	80%	9.6175	3.9327	40.87%							
				Agricultural	1143	57	1%	4.088	0.339	4.427	15%	1.088	0.181	1.246	5%	0.244	0.0458	18.97%						
				Commercial/Industrial-LT	3374	1	0%	11.519	0.001	11.52	13%	2.95	0.081	3.011	11%	2.943	1.8942	60.12%						
				Commercial/Industrial-HT	2	0	0%	0.252	0	0.252	0%	0.004	0	0.004	0%	0.0065	0.0274	135.76%						
				Others	1163	7	1%	2.899	0.012	2.851	3%	1.019	0.138	1.157	4%	0.9979	0.426	45.33%						
				Sub-total	105046	1170	100%	89.333	0.63	90.096	100%	22.957	3.836	26.793	100%	13.1798	6.3206	47.96%						
				Residential																				











B.1001	Total (MU)	1587.72	332.10	
B.1002	Net input energy at DISCOM periphery (MU)		1255.62	

Code	Parameter
	Please enter voltage level or leave blank
	Please enter feeder id and name or leave blank
	Enter meter no or leave blank
	Enter LT/PT ratio or leave blank
0	Please enter numeric value or 0
	Please select yes or no from list
	Formula protected

I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss.

Authorized Signatory and Seal

Name of Authorized Signatory:

Name of the DISCOM:

Full Address:

Seal

*[Handwritten Signature]*  
 04/04/22  
**Dushyant Tyagi**  
 Chief-Operation Services  
 TPNODL

*[Handwritten Signature]*  
 Signature:  
 Name of Energy Manager:  
 Registration Number:



**(Details of Consumers)**

**Summary of Data**

Period From Jul 2011 To September 2011

S.No	Type of Consumers	Category of Consumers (EH/HT/LT/Other s)	Voltage Level (in Voltage)	No of Consumers	Total Consumption (in MU)	Remarks (Source of data)
1	Domestic	LT/HT		1895474	384,201	FG Billing Source
2	Commercial	LT/HT		95084	85,249	FG Billing Source
3	IP Sets					
4	Hor. & Nur. & Coffee/Tea & Rubber (Metered)					
5	Hor. & Nur. & Coffee/Tea & Rubber (Flat)					
6	Heating and Motive Power					
7	Water Supply	HT		4124	14,986	FG Billing Source
8	Public Lighting	HT		1288	4,679	FG Billing Source
9	HT Water Supply	HT				
10	HT Industrial	HT		38	435,093	FG Billing Source
11	Industrial (Small)	LT		4338	5,593	FG Billing Source
12	Industrial (Medium)	LT		310	80,465	FG Billing Source
13	HT Commercial					
14	Applicable to Government Hospitals & Hospitals					
15	LT Irrigation schemes/LT Irrigation Societies	HT		33226	30,271	FG Billing Source
16	HT Res. Apartments Applicable to all areas					
17	Mixed Load	HT		17585	69,165	FG Billing Source
18	Government offices and department					
19	Others-1 (if any, specify in remarks)					
20	Others-2 (if any, specify in remarks)					
21	Others-3 (if any, specify in remarks)					
22	Others-4 (if any, specify in remarks)					
23	Others-5 (if any, specify in remarks)					
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
	<b>Total</b>			<b>2051467</b>	<b>1109,270</b>	FG Billing Source