

TPNODL
TP NORTHERN ODISHA DISTRIBUTION LIMITED
(A Tata Power and Odisha Government Joint Venture)

Ref: TPNODL/EA/02/2022

Dated: 27.07.2022

To
The Director
4th Floor, Sewa Bhawan,
R.K Puram, New Delhi-110 066

Subject: TPNODL Response for the Comments provided by BEE on the 1st Energy Accounting Report (July to September,2021).

Dear Sir,

With reference to the letter No. vide 18/1/BEE/DISCOMs/2022/3198 dated 8th July, 2022, the response for the BEE comments on the 1st Energy Accounting Report (July to September,2021) of TPNODL utility are as given below:

Sheet no.	Name	Comments	TPNODL Response
2	Performance summary of Electricity Distribution Companies	- T&D loss is not matching with the value indicated in Division wise loss sheet. - AT &C loss mentioned is very high and needs correction	The concern was already notified to BEE regarding T&D loss mismatch on account of template error. The revised details for the same submitted on 22.03.2022. The desired detail is attached with this letter as well.
3	Form details of Input infrastructure	- No. of total Consumers at 66kV,33kV,11/22kV and LT level are not matching with the No. of Consumers indicated in the same sheet. - No. of total feeders at 33kV and 11/22kV level are not matching with the no. of feeders indicated in the same sheet.	The total sum of consumers and feeders are mentioned in the respective cell no. C6 and C8 of sheet No. 3.
4	Division wise Losses	AT&C loss calculation is very high and needs correction	The concern was already notified to BEE regarding T&D loss mismatch on account of template error. The revised details for the same submitted on 22.03.2022. The desired detail is also attached with this letter as well.

5	Form-input Energy	Under part B: Some of the details are missing in the sheet such as Sub-division, Feeder ID, Metering date, Status of Communication, Export(MU) and sales Energy.	The desired details provided in the attached sheet.
6	Details of Received sources	Details related to (A). Generation at transmission periphery and (B). Embedded generation in DISCOM area are not provided in the report	The desired details provided in the attached sheet.
8	Details on feeder level	Feeder wise details not provided	TPNODL is in process of feeder and DT metering in the phase manner for energy accounting. Due to the lack of adequate metering and consumer mapping, it is difficult to capture the metering, billing and calculate the feeder wise AT&C losses. Hence, T&D loss and AT&C loss of feeder wise losses could not be computed for the subjected quarter.

Moreover, as desired the details for the Quarterly consumer category wise subsidy billed/received/ due is enclosed in the Annexure-I for your kind reference.

The report after incorporating the desired information is attached for your reference please.

Kindly acknowledge the same.

Thanks and Regards


Manish Kriplani

Head Energy Audit

TP Northern Odisha Distribution Limited

Mob +91-9799495503

CC: S.D.A(O) Bhubaneshwar, Odisha

General Information

1	Name of the DISCOM	TPNODL		
2	i) Year of Establishment	1st April 2021		
	ii) Government/Public/Private	Public Private Partnership		
3	DISCOM's Contact details & Address			
i	City/Town/Village	TP NORTHERN ODISHA DISTRIBUTION LIMITED		
ii	District	BALASORE		
iii	State	ODISHA	Pin	756019
iv	Telephone	06782-244865	Fax	06782-244259
4	Registered Office			
i	Company's Chief Executive Name	BHASKAR SARKAR		
ii	Designation	CHIEF EXECUTIVE OFFICER		
iii	Address	TP NORTHERN ODISHA DISTRIBUTION LIMITED		
iv	City/Town/Village	Januganj	P.O.	
v	District	BALASORE		
vi	State	ODISHA	Pin	756019
vii	Telephone	06782-244865	Fax	06782-244259
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	Mr. Dushyant Kumar Tyagi		
ii	Designation	Chief of Operation		
iii	Address	BALASORE		
iv	City/Town/Village	Januganj	P.O.	
v	District	BALASORE		
vi	State	Odisha	Pin	756019
vii	Telephone	06782-244865	Fax	06782-244259
6	Energy Manager Details*			
i	Name	Mr. Manish Kriplani		
ii	Designation	HOD (Energy Audit)	Whether EA or EM	
iii	EA/EM Registration No.			
iv	Telephone	9799495503	Fax	
v	Mobile	9799495503	E-mail ID	manish.kriplani@tonodl.com
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	1st July, 2021 - 30th September, 2021		



Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st July, 2021 - 30th September, 2021	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	1445.48
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	1445.48
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	1160.73
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	284.75
		%	0.20
	Collection Efficiency	%	82%
(c)	Aggregate Technical & Commercial Loss	%	34%

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

Full Addre. Januganj, Balasore-Pin 756019

Signature:-

Name of Energy Manag

Mr. Manish Kriplani

Registration Number:

Seal

Form-Details of Input Infrastructure					
Sl. No.	Parameters	Total	Covered during in audit	Verified by Auditor in Sample Check	Remarks (Source of data)
i	Number of circles	5			TPNODL Database
ii	Number of divisions	16			TPNODL Database
iii	Number of sub-divisions	50			TPNODL Database
iv	Number of feeders	859			TPNODL Database
v	Number of DTs	71357			TPNODL Database
vi	Number of consumers	2052265			TPNODL Database
Parameters		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	459	NA
iv	Number of total feeders	NA	94	765	NA
d.	Line length (ct km)		106237		
e.	Length of Aerial Bunched Cables		43774		
f.	Length of Underground Cables		401		
Sl. No.	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional	0	Includes input energy for franchisees	
		Medium Conventional	0		
		Short Term Conventional	0		
		Banking	0		
		Long-Term Renewable energy	0		
		Medium and Short-Term RE	0	Includes power from bilateral/ PX/ DEEP	
		Captive, open access input		Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	
		Sale of surplus power	408		FG Billing Source
		Quantum of inter-state transmission loss	0	As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources	408	Based on data from Form 5	FG Billing Source
ii	33kV	Power at state transmission boundary	408		FG Billing Source
		Long-Term Conventional	0		
		Medium Conventional	0		
		Short Term Conventional	0		
		Banking	0		
		Long-Term Renewable energy	0		
		Medium and Short-Term RE	0		
		Captive, open access input	0		
		Sale of surplus power	1,038		FG Billing Source
		Quantum of intra-state transmission loss	0		
iii	33 kV	Power procured from intra-state sources	1,038		FG Billing Source
		Input in DISCOM wires network	1,445		BST Bill OPTCL
		Renewable Energy Procurement	0		
		Small capacity conventional/ biomass/ hydro plants	0		
		Procurement	0		
		Captive, open access input	0		
		Renewable Energy Procurement	0		
		Small capacity conventional/ biomass/ hydro plants	0		
		Procurement	0		
		Sales Migration Input	0		
iv	LT	Renewable Energy Procurement	0		
		Sales Migration Input	0		
		Energy Embedded within DISCOM wires network	0		
		Total Energy Available/ Input	1,445		BST Bill OPTCL
v	LT Level	DISCOM' consumers	629	Include sales to consumers in franchisee areas, unmetered consumers	FG Billing Source
		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	629		FG Billing Source
		Quantum of LT level losses	281		FG Billing Source
		Energy input at LT level	910		FG Billing Source
vi	11 kV Level	DISCOM' consumers	124	Include sales to consumers in franchisee areas, unmetered consumers	FG Billing Source
		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	124		FG Billing Source
		Quantum of Losses at 11 kV	4		FG Billing Source
		Energy input at 11 kV level	128		FG Billing Source
vii	33 kV Level	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		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			
viii	> 33 kV	DISCOM' consumers	407 523	Include sales to consumers in franchisee areas, unmetered consumers	EHT Consumer-37
		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	408		FG Billing Source
		Sales at 66kV and above (EHV)	408		FG Billing Source
		Total Energy Requirement	1,445		BST Bill OPTCL

		Total Energy Sales	1,161	FG Billing Source	
Energy Accounting Summary					
DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %	
LT	910	629	281	0.308583675	
11 Kv	128	124	4	0.030116847	
33 kv	0	0	0	0	
> 33 kv	408	407.523	0	0	
Open Access, Captive	Input (in MU)	Sale (in MU)	Loss (in MU)		
LT	0	0	0	0	
11 Kv	0	0	0	0	
33 kv	0	0	0	0	
> 33 kv	0	0	0	0	

Loss Estimation for DISCOM	
T&D loss	285
D loss	285
T&D loss (%)	0.197002799
D loss (%)	0.197002799

Details of Division Wise Losses (See note below*)																								
Division Wise Losses																								
Period From July 2021 To Sept. 2021																								
S.No	Name of circle	Circle code	Name of Division	Consumer profile										Energy parameters					Losses		Commercial Parameter			AT & C loss (%)
				Consumer category	No of connection metered (Nos)	No of connection Un-metered (Nos)	Total Number of connections (Nos)	% of number of connections	Connected Load metered (MW)	Connected Load Un-metered (MW)	Total Connected Load (MW)	% of connected load	Input energy (MU)	Metered energy	Unmetered/a assessment energy	Total energy	% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount In Rs. Crore	Collected Amount In Rs. Crore	Collection Efficiency		
1	Baleasore	1	BED	Residential	48782	2021	50803	82%	104.2	2.026	106.226	55%	29.045	1.897	30.942	41%		15.1483	8.3607		15.1483	8.3607	55.19%	
				Agricultural	67	1	68	0%	0.215	0.004	0.219	0%	0.058	0.018	0.076	0%		0.0135	0.0072		0.0135	0.0072	53.33%	
				Commercial/Industrial-LT	10743	5	10748	17%	32.092	0.053	32.145	17%	83.367	8.542	0.616	9.158	12%	8.434	6.9956	5.9773	10%	6.9956	5.9773	85.44%
				Commercial/Industrial-HT	47	0	47	0%	23.121	0	23.121	12%	14.933	14.933	0	14.933	20%		11.2889	10.9477		11.2889	10.9477	96.98%
				Others	545	20	565	1%	29.727	0.03	29.757	16%	19.09	0.734	19.824	26%		12.4776	11.2557		12.4776	11.2557	90.21%	
				Sub-total	60184	2047	62231	100%	189.355	2.113	191.468	100%	83.367	71.668	74.933	100%	8.434	45.9239	36.5486	10%	45.9239	36.5486	79.59%	
2	Baleasore	1	BED (BASTA)	Residential	71495	5081	76576	90%	89.998	5.182	95.18	79%	11.683	3.366	15.049	67%		6.7232	3.1978		6.7232	3.1978	47.56%	
				Agricultural	1671	1871	3542	4%	6.416	0.049	11.465	10%	1.255	2.006	3.261	14%		0.7767	0.3101		0.7767	0.3101	39.93%	
				Commercial/Industrial-LT	3919	6	3925	5%	10.145	0.019	10.164	8%	38.731	2.389	0.18	2.569	11%	16.202	1.9966	1.9871	42%	1.9966	1.9871	99.52%
				Commercial/Industrial-HT	1	0	1	0%	0.555	0	0.555	0%	0.19	0.19	0	0.19	1%	0.1487	0.1853		0.1487	0.1853	131.34%	
				Others	772	185	957	1%	2.98	0.317	3.297	3%	1.167	0.293	1.46	6%		1.0889	0.4984		1.0889	0.4984	49.40%	
				Sub-total	77858	7143	85001	100%	110.994	10.567	120.561	100%	38.731	18.576	5.845	100%	16.202	42%	10.6541	6.1887	58.09%			
3	Baleasore	1	BED Jalewa	Residential	98118	11678	109796	90%	90.51	8.037	98.547	60%	18.576	5.113	23.689	45%		10.2277	3.833		10.2277	3.833	37.49%	
				Agricultural	2502	1713	4215	3%	10.688	7.748	18.436	11%	1.123	3.994	5.117	10%		1.0769	0.4794		1.0769	0.4794	44.52%	
				Commercial/Industrial-LT	5987	28	6015	5%	15.524	0.05	15.574	10%	65.201	4.004	0.365	4.369	8%	12.371	3.291	2.8022	19%	3.291	2.8022	85.15%
				Commercial/Industrial-HT	4	0	4	0%	0.783	0	0.783	0%	0.263	0.263	0	0.263	0%	0.1791	0.3489	194.81%	0%	0.1791	0.3489	194.81%
				Others	981	426	1407	1%	29.26	0.449	29.709	18%	17.927	1.465	19.392	37%		11.6597	10.2717		11.6597	10.2717	88.10%	
				Sub-total	107592	13845	121437	100%	146.765	16.284	163.049	100%	65.201	41.893	10.337	100%	12.371	19%	26.4294	17.7552	67.10%			
4	Baleasore	1	ZED Baleasore	Residential	103109	4279	107388	92%	103.871	3.815	107.686	57%	19.412	4.215	23.627	46%		10.4911	4.4406		10.4911	4.4406	42.33%	
				Agricultural	2019	217	2236	2%	7.496	0.956	8.452	4%	1.824	0.45	2.274	4%		0.5017	0.106		0.5017	0.106	21.13%	
				Commercial/Industrial-LT	5967	28	5995	5%	23.224	0.035	23.259	11%	84.378	5.626	0.329	5.955	11%	32.513	4.9536	4.7743	39%	4.9536	4.7743	96.38%
				Commercial/Industrial-HT	53	0	53	0%	50.26	0	50.26	24%	13.339	13.339	0	13.339	26%		10.9893	12.4444		10.9893	12.4444	113.24%
				Others	1243	198	1441	1%	15.44	0.186	15.626	8%	6.376	0.294	6.67	13%		2.9005	2.1136		2.9005	2.1136	72.87%	
				Sub-total	112391	4722	117113	100%	200.291	4.992	205.283	100%	84.378	46.577	5.288	100%	32.513	39%	29.8362	23.8789	80.03%			
5	Baleasore	1	SED SORO	Residential	135552	4825	140377	93%	136.558	4.764	141.322	74%	30.046	3.523	33.569	66%		14.386	7.506		14.386	7.506	52.18%	
				Agricultural	1667	146	1813	1%	6.349	0.738	7.087	4%	1.443	0.423	1.866	4%		0.3922	0.0598		0.3922	0.0598	15.25%	
				Commercial/Industrial-LT	6932	32	6964	5%	20.339	0.061	20.4	11%	64.392	5.365	0.392	5.757	11%	13.429	4.4928	3.9399	21%	4.4928	3.9399	87.69%
				Commercial/Industrial-HT	38	0	38	0%	10.404	0	10.404	5%		2.544	0	2.544	5%		2.3245	2.2284		2.3245	2.2284	95.87%
				Others	2085	198	2283	1%	10.361	0.26	10.621	6%	6.692	0.535	7.227	14%		3.5863	2.7791		3.5863	2.7791	77.49%	
				Sub-total	146254	5201	151455	100%	184.011	5.823	189.834	100%	64.392	46.09	4.873	100%	13.429	21%	25.1818	16.5132	65.58%			
6	Bhadrak	2	MED Bhadrak	Residential	169105	4683	173788	93%	179.79	3.946	183.736	67%	49.821	5.325	55.146	52%		24.7897	11.2821		24.7897	11.2821	45.51%	
				Agricultural	752	32	784	0%	3.444	0.165	3.609	1%	0.435	0.137	0.572	1%		0.1303	0.0306		0.1303	0.0306	23.48%	
				Commercial/Industrial-LT	11174	77	11251	6%	35.986	0.141	36.127	12%	142.319	10.123	0.401	10.524	10%	35.256	8.1079	7.7339	25%	7.7339	7.7339	95.39%
				Commercial/Industrial-HT	50	0	50	0%	44.61	0	44.61	15%	22.488	22.488	0	22.488	21%		16.1499	13.6388		16.1499	13.6388	84.45%
				Others	1498	62	1560	1%	27.022	0.133	27.155	9%	17.881	0.452	18.333	17%		12.4602	11.9281		12.4602	11.9281	95.73%	
				Sub-total	182579	4854	187433	100%	290.852	4.385	295.237	100%	142.319	100.748	6.315	100%	35.256	25%	62.638	44.6135	72.38%			
7	Bhadrak	2	SED Bhadrak	Residential	104804	4384	109188	95%	98.247	4.231	102.478	77%	25.501	3.981	29.482	83%		13.0673	4.5704		13.0673	4.5704	34.98%	
				Agricultural	904	77	981	1%	4.562	0.331	4.893	4%	0.893	0.236	1.129	3%		0.2524	0.0563		0.2524	0.0563	22.31%	
				Commercial/Industrial-LT	4023	50	4073	4%	12.98	0.082	13.062	10%	51.451	3.272	0.136	3.408	10%	16.12	2.6605	2.5649	31%	2.6605	2.5649	96.41%
				Commercial/Industrial-HT	9	0	9	0%	7.247	0	7.247	5%		0.591	0	0.591	2%		0.5518	0.521		0.5518	0.521	94.42%
				Others	1132	92	1224	1%	4.7	0.143	4.843	4%	0.611	0.11	0.721	2%		0.7599	0.3432		0.7599	0.3432	45.16%	
				Sub-total	110872	4603	115475	100%	127.736	4.787	132.523	100%	51.451	30.868	4.463	100%	16.12	31%	17.2919	8.0558	46.59%			
8	Baripada	3	BPED	Residential	212285	7585	219870	93%	201.334	5.936	207.27	75%	45.464	5.49	50.954	70%		23.26	11.5396		23.26	11.5396	49.61%	
				Agricultural	2917	67	2984	1%	9.786	0.3	10.086	4%	2.103	0.534	2.637	4%		0.5142	0.1235		0.5142	0.1235	24.02%	
				Commercial/Industrial-LT	11036	14	11050	5%	38.758	0.074	38.832	14%	93.987	9.485	0.326	9.811	13%	21.209	7.8006	7.106	23%	7.8006	7.106	91.10%
				Commercial/Industrial-HT	34	0	34	0%	9.424	0	9.424	3%		4.848	0	4.848	7%		3.1274	4.008		3.1274	4.008	128.16%
				Others	2401	38	2439	1%	11.908	0.037	11.945	4%	4.024	0.504	4.528	6%		3.2384	1.5807		3.2384	1.5807	48.61%	
				Sub-total	228673	7704	236377	100%	271.21	6.347	277.557	100%	93.987	65.924	6.854	100%	21.209	23%	37.9406	24.3578	64.20%			
9	Baripada	3	UED	Residential	96096	8510	104606	95%	68.705	4.882	73.587	80%	16.567	3.621	20.188	81%		9.2649	2.6131		9.2649	2.6131	28.20%	
				Agricultural	1131	57	1188	1%	3.978	0.339	4.317	5%	0.599	0.183	0.782	3%		0.171	0.0466		0.171	0.0466	27.25%	
				Commercial/Industrial-LT	3350	5	3355	12%	11.339	0.015	11.354	12%	28.562	2.738	0.138	2.876	12%	3.71	2.1102	2.0448	13%	2.1102	2.0448	96.90%
				Commercial/Industrial-HT	2	0	2	0%	0.28	0	0.28	0%		0.033	0	0.033	0%		0.0411	0.055		0.0411	0.055	133.82%
				Others	1153	24	1177	1%	2.819	0.022	2.841	3%	0.881	0.092	0.973	4%		0.8098	0.2561		0.8098	0.2561	31.63%	
				Sub-total	101732	8596	110328	100%	87.106	5.258	92.364	100%	28.562	30.818	4.034	100%	3.71	13%	12.397	5.0156	40.46%			
10	Baripada	3																						

12	Jalpur	4	JTED	Residential	93102	3475	96577	95%	80.997	2.664	83.661	81%	23.21	4.062	27.272	83%	27.251	45%	12.2333	8.1769	66.84%
				Agricultural	830	185	3648	1%	4.301	0.163	4.964	5%	0.584	0.427	1.011	3%	0.263	0.026	11.49%		
				Commercial/Industrial-LT	3608	40	1	0%	11.617	0.037	11.654	0%	3.486	0.221	3.707	11%	2.515	2.9346	116.68%		
				Others	585	112	697	1%	0.222	0	0.094	0%	0.094	0	0.094	0%	-0.086	0	0.00%		
	Sub-total				98126	3812	101938	100%	99.115	3.669	102.784	100%	60.213	28.072	4.89	32.952	100%	27.251	45%	73.37%	
13	Jalpur	4	KUED	Residential	109631	6301	111932	94%	87.663	3.945	91.608	65%	21.955	6.381	78.336	65%	115.189	13.119	38.33%		
				Agricultural	1334	168	1502	1%	11.582	0.706	12.288	9%	1.223	0.722	1.945	4%	0.4309	0.0972	22.56%		
				Commercial/Industrial-LT	4704	65	4769	4%	18.537	0.127	18.664	9%	79.267	4.68	4.413	12%	4.1032	4.4756	104.01%		
				Others	31	81	669	0%	16.053	0	16.053	11%	7.536	0	7.536	17%	5.3101	8.0589	151.77%		
	Sub-total				112288	6615	118903	100%	135.869	4.93	140.799	100%	79.267	35.846	7.697	43.543	100%	35.724	45%	15.70%	
14	Keonjhar	5	KED	Residential	100962	2560	107522	93%	82.441	1.419	83.96	51%	21.652	1.927	23.579	37%	11.1236	2.4347	66.84%		
				Agricultural	1021	51	1072	1%	4.253	0.224	4.477	3%	0.651	0.729	1.38	2%	0.2618	0.0569	21.73%		
				Commercial/Industrial-LT	5055	17	5072	4%	19.978	0.15	20.128	12%	62.728	5.223	0.246	5.469	4.3283	4.1004	94.73%		
				Others	31	0	31	0%	27.254	0	27.254	17%	19.044	0	19.044	30%	13.2803	15.8239	119.15%		
	Sub-total				112373	18	1322	1%	28.706	0.055	28.761	17%	62.728	14.546	0.324	14.87	23%	10.7342	10.0683	93.80%	
15	Keonjhar	5	JOED	Residential	77322	3722	81044	92%	76.181	2.03	78.211	27%	61.116	3.226	64.342	100%	36.7282	37.4842	94.35%		
				Agricultural	785	44	829	1%	3.616	0.23	3.846	1%	0.459	0.253	0.712	1%	10.9961	7.5439	68.61%		
				Commercial/Industrial-LT	5221	9	5230	6%	21.871	0.034	21.905	8%	144.98	6.165	0.255	6.42	0.1525	0.036	23.61%		
				Others	58	0	58	0%	136.182	0	136.182	48%	85.705	0	85.705	62%	4.7667	4.8738	102.25%		
	Sub-total				84486	3784	88270	100%	46.031	0.01	46.041	16%	22.052	0.498	22.55	16%	16.4857	16.8334	102.11%		
16	Keonjhar	5	AED	Residential	123702	3710	127412	95%	92.042	2.751	94.793	78%	22.582	3.454	26.046	76%	11.4149	4.6171	40.45%		
				Agricultural	611	11	622	0%	2.264	0.093	2.317	2%	0.253	0.338	0.591	2%	0.0784	0.0293	37.37%		
				Commercial/Industrial-LT	4269	46	4315	3%	14.163	0.173	14.336	12%	51.639	3.744	0.274	4.018	3.1716	2.9818	94.02%		
				Others	16	0	16	0%	4.247	0	4.247	4%	1.542	0	1.542	7%	1.2706	2.5499	200.63%		
	Sub-total				130166	134	1702	1%	6.1	0.084	6.184	5%	2.04	0.201	2.241	7%	1.7862	0.7482	41.89%		
	Sub-total				134067	3901	134067	100%	118.816	3.061	121.877	100%	51.639	30.161	4.267	34.428	100%	17.211	33%	17.7217	
																				61.65%	59%

76	Total	Residential										20%	284.749	41%	479.521	216.6481	106.6609	49.23%
		1819875	84727	1904602	99%	1735.942	63.1	1799.042	57%	413.416	66.105							
		22232	4841	27073	1%	93.954	18.584	112.538	4%	16.152	11.274					5.7225	1.5837	27.33%
		97451	477	97928	5%	334.925	1.184	336.109	11%	88.177	4.976					72.763	68.7908	94.54%
		451	0	451	0%	665.63	0	665.63	21%	406.934	0					276.7924	285.7711	103.24%
		19937	1651	21588	1%	265.658	2.273	267.931	8%	146.977	6.722					102.5428	89.8845	87.66%
77	At company level	1959946	91696	2051642	100%	3096.109	85.141	3181.25	100%	1445.482	89.077	20%	284.749	100%	1160.733	674.4688	552.671	81.94%

** Note - It shall be mandatory to record the energy supplied separately for each category of consumers which is being provided a separate rate of subsidy in the tariff, by the state government, so that the subsidy due for the electricity distribution company is quarterly calculated by multiplying the energy supplied to each of such category of consumers by the applicable rate of subsidy notified by the state government.

Color

code

Parameter

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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

Signature:

Name of Energy Manager:

Registration Number:

Form-Input energy (Details of input energy & infrastructure)

A. Summary of major findings and conclusions

Cheng, 1998; Cheng and

[illegible]

B. Meter: reading of input energy at injection points

Case	Zone	Circle	Voltage Level (MVA)	Cables (km)	Cable Sections (km)	Feeder ID	Feeder Name	Feeder Capacity (MW)	Feeder Type (Aggr./Subtrans./Distro.)	Status of Feeder (Functional/Under Repair)	Date of Last Annual Maintenance	Status of Communications		Status of Power		Remarks (Source of Data)
												% data received successfully (if substation is not operational)	Number of Buses in the Feeder	Import (MW)	Export (MW)	
B.1	TPN001	Banarhat	33 kV	100 km	100 km	422201	1011-407 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.2	TPN002	Kharagpur	33 kV	100 km	100 km	421108	1011-121 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.3	TPN003	Kharagpur	33 kV	100 km	100 km	421102	1011-121 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.4	TPN004	Kharagpur	33 kV	100 km	100 km	421209	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.5	TPN005	Kharagpur	33 kV	100 km	100 km	421201	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.6	TPN006	Kharagpur	33 kV	100 km	100 km	421202	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.7	TPN007	Kharagpur	33 kV	100 km	100 km	421209	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.8	TPN008	Kharagpur	33 kV	100 km	100 km	421201	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.9	TPN009	Kharagpur	33 kV	100 km	100 km	421202	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.10	TPN010	Kharagpur	33 kV	100 km	100 km	421209	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.11	TPN011	Kharagpur	33 kV	100 km	100 km	421201	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.12	TPN012	Kharagpur	33 kV	100 km	100 km	421202	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.13	TPN013	Kharagpur	33 kV	100 km	100 km	421209	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.14	TPN014	Kharagpur	33 kV	100 km	100 km	421201	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.15	TPN015	Kharagpur	33 kV	100 km	100 km	421202	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.16	TPN016	Kharagpur	33 kV	100 km	100 km	421209	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.17	TPN017	Kharagpur	33 kV	100 km	100 km	421201	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.18	TPN018	Kharagpur	33 kV	100 km	100 km	421202	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.19	TPN019	Kharagpur	33 kV	100 km	100 km	421209	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.20	TPN020	Kharagpur	33 kV	100 km	100 km	421201	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.21	TPN021	Kharagpur	33 kV	100 km	100 km	421202	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.22	TPN022	Kharagpur	33 kV	100 km	100 km	421209	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.23	TPN023	Kharagpur	33 kV	100 km	100 km	421201	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.24	TPN024	Kharagpur	33 kV	100 km	100 km	421202	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.25	TPN025	Kharagpur	33 kV	100 km	100 km	421209	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.26	TPN026	Kharagpur	33 kV	100 km	100 km	421201	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST
B.27	TPN027	Kharagpur	33 kV	100 km	100 km	421202	1011-207 TWA 11/1/28kV	Metred	Metred	Functional	01-10-2021	Metred	Metred	100 km	100 km	OPICL BST

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Details of Input Energy Sources

Period From.... To....

A. Generation at Transmission Periphery (Details)

S.No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station Generation (Based- Solid (Coal, Lignite)/Liquid/Gas/Renewable (biomass-bagasse)/Others)	Type of Contract (in years/months/days)	Type of Grid (Intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (At Input)	Remarks (Source of data)
1	SUB-STATION	25 MW	Railway	NA	NA	NA	EHT	Data base
2	POWER LTD.	60 MW	Steel	NA	NA	NA	EHT	Data base
3	ELECTRICAL DIVIS	25 MW	Railway	NA	NA	NA	EHT	Data base
4	M/S EMAMI CEMENT LTD.	11 MW	Cement	NA	NA	NA	EHT	Data base
5	PLANT 2005	23 MW	Ferroy	NA	NA	NA	EHT	Data base
6	M/S TATA STEEL LTD.	16 MW	Steel	NA	NA	NA	EHT	Data base
7	CEMENTS LTD.	750KW	Cement	NA	NA	NA	EHT	Data base
8	LTD.	20 MW	SPONGE IRON	NA	NA	NA	EHT	Data base
9	M/S JSW CEMENT LTD...	12 MW	Cement	NA	NA	NA	EHT	Data base
10	LIMITED	have two CPP but	Steel and Power	NA	NA	NA	EHT	Data base
11	STEELS & PWR LTD	35 MW	steel	NA	NA	NA	EHT	Data base

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Annexure -1: Proforma for Quarterly Consumer Category-wise Subsidy Billed/Received/Due for period

July- 21 to September-21

Consumer Category (Separate for each subsidized consumer category)	Billed Energy			Subsidized Billed Energy			Applicable rate of Subsidy as notified by State govt.		Subsidy Due from State Govt.			Subsidy Actually Billed / claimed from State Govt. (As against col.12)	Subsidy Received from State Govt. (As against col.13)	Balance Subsidy yet to be Received from State Govt.
	Metered	Un- metered*	Total	Metered (out of col.2)	Un- metered* (out of col.3)	Total	Metered Energy**	Un-metered Energy**	Metered Energy	Un-metered Energy	Total			
	(In kWh)			(In kWh)			(In Rs/kWh)		(In Rs. Cr.)			(In Rs. Cr.)	(In Rs. Cr.)	(In Rs. Cr.)
1	2	3	4=2+3	5	6	7=5+6	8	9	10=5X8	11=6x9	12=10+11	13	14	15=13-14
Residential	413.416	66.105	479.521	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agriculture	16.152	11.274	27.426	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Commercial/Industrial - LT	88.177	4.976	93.153	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Commercial/Industrial - HT	406.934	0	406.934	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (specify)	146.977	6.722	153.699	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total	1071.656	89.077	1160.733	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

*Basis of assessment of energy to be provided in the notes along with relevant Government Orders

**Provide copy of relevant Government Orders

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