

TPCODL

No. TPCODL/EAG/

8539

Date: 21 NOV 2022

To

1.) Mr. Milind Deore,

Director, Bureau of Energy Efficiency, GoI, Ministry of Power.

4th Floor, Sewa Bhawan, R.K. Puram, New Delhi-110066

Email Id: - mdeore@beeindia.gov.in, suryay@beeindia.gov.in

2.) The Engineer-In-Chief (Electricity) -cum- Principal Chief Electrical Inspector (State Designated Agency, Odisha) Unit-5, Power House Square, Vidyut Marg, Bhubaneswar, 751001

Email Id: - eic-epcei@nic.in, sdaorissa@nic.in

Sub: Submission of **Fourth Periodic Energy Accounting Report of TPCODL for 1st Quarter of FY 2022-23** in pursuant to Regulation-4(2) (b) of the BEE (Manner and intervals for conduct of Energy Audit in Electricity Distribution Companies) Regulation 2021 under EC Act-2001.

Sir/Madam,

With reference to the above cited subject the 4th Periodic Energy Accounting Report of TPCODL for 1st Quarter of FY 2022-23 is submitted herewith in pursuant to Regulation-4(2) (b) of the Bureau of Energy Efficiency (Manner and intervals for conduct of Energy Audit in Electricity Distribution Companies) Regulation 2021 under EC Act-2001 in the specified format of BEE.

This is for favour of kind information & necessary action please.

Yours faithfully,

D.G.M. (Electrical)
Energy Audit Cell, TPCODL CO

Encl: -

- 1.) 4th Periodic Energy Accounting Report of TPCODL
- 2.) Details of Consumers & Consumer Consumption
- 3.) Notes for 4th Periodic Energy Auditing Report of TPCODL
- 4.) Power Procurement by GRIDCO approved by the commission

NOTES FOR 4TH PERIODIC ENERGY ACCOUNTING REPORT OF TPCODL **(FOR 1ST QUARTER OF FY 2022-23)**

Point -1:

Sheet No	Name	Particulars
5	Form- Input Energy	Under Part-B: Some of the details such as Status of Communication, CT/PT Ratio, Sales Energy are not provided in the report

Remarks-1:

- Status of Communication has been left blank, as we don't have AMR/AMI Compliant meter in these input points.
- Sales Energy against each input points of DISCOM periphery is unavailable since our Utility is having so many ring main networks and many 33 KV feeder emerges from one to many secondary side of the Power Transformer of the OPTCL Grids. Hence, it was left blank but, as a whole 2147.69 MU is the Sales Energy of the TPCODL as filled in Division Wise Losses in this quarter.

Point-2:

Sheet No	Name	Particulars
6	Details of Received Sources	Details related to Generation at Transmission Periphery and Embedded Generation in DISCOM area not provided.

Remarks-2:

TPCODL as a Distribution licensee is carrying out the function of distribution and retail supply of electricity covering 5 distribution circles in its license area. The requirement of power for TPCODL is fully managed and met by GRIDCO ,GRIDCO being a Bulk Supplier of Power in line with the Single Buyer Model for the whole state of Odisha and as such the details pertaining to Generation at Transmission periphery and embedded generation for a particular DISCOM is not distinctly available .However the same as a State is available in Honourable OERC`s order for GRIDCO`s ARR approval for FY 23 ,relevant portion attached herewith .

The energy drawal or the interface point between TPCODL as a DISCOM and OPTCL as Transmission entity is essentially at the secondary of the Power Transformer or at 33 kV Side and therefore the DISCOM as such does not have any visibility of the Generation and Transmission Periphery.Hence, the sheet is left blank.

TPCODL

Point-3:

Sheet No	Name	Particulars
7	Details of Consumers & Consumption	Details related to Category of Consumers and voltage level are not indicated for any type of consumers in the report.

Remarks-3:

The Excel sheet is having limitation of very few rows with non-editable format. Thus, a separate sheet containing all the category of consumers and voltage level with their corresponding consumption in this quarter is enclosed herewith for kind perusal.

Point-4:

Sheet No	Name	Particulars
8	Feeder Level Data	Some of the details are missing in the sheet such as AT&C Loss % and % Data Received through automatically.

Remarks-4:

Since, we were conducting the feeder wise energy audit as per the protocols issued from time to time by OERC till the FY 2021-22. However, we are preparing to submit the feeder wise Energy Audit with AT&C loss % in automated manner till the end of this FY.

Point-5:

Sheet No	Name	Particulars
NA	Annexure-I	Please provide the details of subsidy as per the enclosed format at Annexure-I

Remarks-5:

- There is no provision for subsidy for any category of consumers in the state of Odisha as per the Regulations and Tariff Orders of the Hon'ble Odisha Electricity Regulatory Commission. Thus, subsidy payable per unit in each consumer category by the state Govt. is not applicable for TPCODL.
- Moreover, TPCODL is not funded under the Revamped Distribution Sector Scheme (RDSS) rolled out by Ministry of Power. Hence, this Annexure-I is left blank.


D.G.M. (Electrical)
Energy Audit Cell, TPCODL CO
MANOJ DAS
D.G.M. (Electrical)
TPCODL

General Information

1	Name of the DISCOM	TP CENTRAL ODISHA DISTRIBUTION LIMITED (TPCODL)		
2	i) Year of Establishment	1ST JUNE 2020		
	ii) Government/Public/Private	JOINT VENTURE		
3	DISCOM's Contact details & Address			
i	City/Town/Village	BHUBANESWAR		
ii	District	KHURDA		
iii	State	ODISHA	Pin	751022
iv	Telephone		Fax	
4	Registered Office			
i	Company's Chief Executive Name	MANTHIRAM SHENBAGAM		
ii	Designation	CHIEF EXECUTIVE OFFICER		
iii	Address	IDCO TOWERS, 2ND FLOOR, JANPATH		
iv	City/Town/Village	BHUBANESWAR	P.O.	BHOI NAGAR
v	District	KHURDA		
vi	State	ODISHA	Pin	751022
vii	Telephone	0674-2533726	Fax	
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	MANOJ DAS		
ii	Designation	D. G. M. (ELECTRICAL)		
iii	Address	IDCO TOWERS, 2ND FLOOR, JANPATH		
iv	City/Town/Village	BHUBANESWAR	P.O.	BHOI NAGAR
v	District	KHURDA		
vi	State	ODISHA	Pin	751022
vii	Telephone	7008197471	Fax	
6	Energy Manager Details*			
i	Name	SHANKARSHAN PANIGRAHI		
ii	Designation	D. M. (ELECTRICAL)	Whether EA or EM	EM
iii	EA/EM Registration No.	EA-27961		
iv	Telephone		Fax	
v	Mobile	9438585161	E-mail ID	shankarshan.panigrahi@tpcentralodisha.com
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	1st Apr, 2022 - 30th June, 2022		

Performance Summary of Electricity Distribution Companies

Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st Apr, 2022 - 30th June, 2022	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	2886.05
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	2886.05
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	2147.69
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	738.36
		%	0.26
	Collection Efficiency	%	89%
(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 the DISCOM:

Full Address:-

MANOJ DAS
D.G.M. (Electrical)
TPCODL

Seal

Signature:-

Name of Energy Manager*:

Registration Number:

SHANKARSHAN PANIGRAHI
Certified Energy Manager
Regd. No : EA-27961, TPCODL

Form-Details of Input Infrastructure					
1	Parameters	Total	Covered during in audit	Verified by Auditor in Sample Check	Remarks (Source of data)
i	Number of circles	5			
ii	Number of divisions	20			
iii	Number of sub-divisions	65			
iv	Number of feeders	1445			
v	Number of DTs	71984			
vi	Number of consumers	2995997			
2	Parameters	66kV and above	33kV	11/22kV	LT
a. i.	Number of conventional metered consumers	36	89	10330	2938587
ii	Number of consumers with 'smart' meters	0	0	50	9655
iii	Number of consumers with 'smart prepaid' meters	0	0	0	9398
iv	Number of consumers with 'AMR' meters	0	199	9485	13053
v	Number of consumers with 'non-smart prepaid' meters	0	0	0	0
vi	Number of unmetered consumers	0	0	0	5115
vii	Number of total consumers	36	288	19865	2975808
b.i.	Number of conventionally metered Distribution Transformers	-	0	8743	-
ii	Number of DTs with communicable meters	-	0	0	-
iii	Number of unmetered DTs	-	346	62895	-
iv	Number of total Transformers	-	346	71638	-
c.i.	Number of metered feeders	-	181	946	-
ii	Number of feeders with communicable meters	-	0	108	-
iii	Number of unmetered feeders	-	35	283	-
iv	Number of total feeders		216	1229	
d.	Line length (ct km)		57544.4383		
e.	Length of Aerial Bunched Cables		39584.8603		
f.	Length of Underground Cables		1000.245		
3	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional		Includes input energy for franchisees	
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy			
		Medium and Short-Term RE		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.	
			151.686152		
		Sale of surplus power			
		Quantum of inter-state transmission loss		As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources	152	Based on data from Form 5	
		Power at state transmission boundary	152		

ii	33kV	Long-Term Conventional			
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy			
		Medium and Short-Term RE			
		Captive, open access input			
		Sale of surplus power			
		Quantum of intra-state transmission loss	0		
		Power procured from intra-state sources	0		
iii		Input in DISCOM wires network	152		
iv	33 kV	Renewable Energy Procurement			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Captive, open access input			
v	11 kV	Renewable Energy Procurement			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Sales Migration Input			
vi	LT	Renewable Energy Procurement			
		Sales Migration Input			
vii		Energy Embedded within DISCOM wires network	0		
viii		Total Energy Available/ Input	152		
4	Voltage level	Energy Sales Particulars	MU	Reference	
i	LT Level	DISCOM' consumers	1,349	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation used at LT level		Demand from embedded generation at LT level	
		Sale at LT level	1,349		
		Quantum of LT level losses	701		
		Energy Input at LT level	2,049		
ii	11 kV Level	DISCOM' consumers	273	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 11 kV level used		Demand from embedded generation at 11kV level	
		Sales at 11 kV level	273		
		Quantum of Losses at 11 kV	24		
		Energy input at 11 kV level	297		
iii	33 kV Level	DISCOM' consumers	159	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 33 kV or below level		This is DISCOM and OA demand met via energy generated at same voltage level	
		Sales at 33 kV level	159		
		Quantum of Losses at 33 kV	14		
		Energy input at 33kV Level	173		

iv	> 33 kV	DISCOM' consumers	367.0147212	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Cross border sale of energy			
		Sale to other DISCOMs			
		Banking			
		Energy input at > 33kV Level	367		
		Sales at 66kV and above (EHV)	367		
Total Energy Requirement			2,886		
Total Energy Sales			2,148		

Energy Accounting Summary					
5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	2049.294	1348.518	700.776	34%
ii	11 Kv	296.890	273.139	23.751	8%
iii	33 kv	172.968	159.131	13.837	8%
iv	> 33 kv	366.900	366.900	0	0%
6	Open Access, Captive	Input (in MU)	Sale (in MU)	Loss (in MU)	
i	LT				
ii	11 Kv				
iii	33 kv				
iv	> 33 kv	151.686152			

Loss Estimation for DISCOM	
T&D loss	738
D loss	738
T&D loss (%)	0.255799176
D loss (%)	0.255799176

75				Commercial/Industrial-LT	0	0	0	#DIV/0!	0	α	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
				Commercial/Industrial-HT	0	0	0	#DIV/0!	0	α	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
				Others	0	0	0	#DIV/0!	0	C	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
	Sub-total				0	0	0	100%	0	α	0	100%	0	0	0	100%	0	0%	0	0	0.00%	100%
76	Total			Residential	2682784	2138	2684922	90%	3777431.3	2199	3779630.34	70%	2886.053	1010.533	0.486577391	1011.01959	47%	738.3646	26%	480.284392	408.043265	84.96%
				Agricultural	30163	1876	32039	1%	144746.95	6464.11	151211.06	3%		37.22393	1.244659678	38.46859234	2%			12.8248199	8.78544275	68.50%
				Commercial/Industrial-LT	256776	264	257040	9%	710317.44	733.88	711051.32	13%		197.7296	0.259939	197.989508	9%			142.177685	122.055732	85.85%
				Commercial/Industrial-HT	12970	23	12993	0%	426968.86	28065	427249.51	8%		465.6326	0.042501313	465.6750697	22%			334.420395	281.401553	84.15%
				Others	8189	814	9003	0%	321912.16	8891.34	330804.5	6%		421.737	12.79828843	434.5353155	20%			302.818096	307.971369	101.67%
77	At company level				2990882	5115	2995997	100%	5381376.8	18569.98	5399946.73	100%	2886.053	2132.856	14.83196581	2147.688075	100%	738.3646	26%	1272.62539	1128.25736	88.66%

** 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.

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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

Name of Authorised Signatory:

Name of the DISCOM:

Full Address:-

Seal

MANOJ DAS
D.G.M. (Electrical)
TPCODL

Signature:-
Name of Energy Manager:
Registration Number:

SHANKARSHAN PANIGRAHI
Certified Energy Manager
Regd. No : EA-27961, TPCODL

(Details of Consumers)						
Summary of Energy						
Period From 1st Apr, 2022 To 30th June, 2022						
S.No	Type of Consumers	Category of Consumers (EHT/HT/LT/Others)	Voltage Level (In Voltage)	No of Consumers	Total Consumption (In MU)	Remarks (Source of data)
1	Agriculture	HT	11	68	6.60277563	
2	Agriculture	HT	33	1	0.08923955	
3	Agriculture	LT-NSBM	0.23	7001	2.597899	
4	Agriculture	LT-NSBM	0.4	22209	6.89549141	
5	Agriculture	LT-NSBM	11	2445	5.49800415	
6	Agriculture	LT-NSBM	33	1	0.0124732	
7	Agriculture	LT-SBM	0.23	103	0.045924	
8	Agriculture	LT-SBM	0.4	77	0	
9	Agriculture	LT-SBM	11	6	0	
10	Agriculture allied Industry	HT	0.4	1	0.06861806	
11	Agriculture allied Industry	HT	11	38	7.19381485	
12	Agriculture allied Industry	HT	33	8	8.0773487	
13	Agriculture allied Industry	LT-NSBM	0.4	45	0.404264	
14	Agriculture allied Industry	LT-NSBM	11	41	0.98273677	
15	Agriculture allied Industry	LT-SBM	0.4	1	0.000003	
16	Captive Plants	EHT	132	6	1.87841226	
17	Captive Plants	EHT	220	2	18.8613288	
18	Captive Plants	LT-SBM	0.23	1	0	
19	Domestic	HT	0.4	10	0.048051	
20	Domestic	HT	11	88	7.32254345	
21	Domestic	HT	33	18	8.19791422	
22	Domestic	LT-NSBM	0.23	253	0.21220353	
23	Domestic	LT-NSBM	0.4	7639	15.9006393	
24	Domestic	LT-NSBM	11	875	4.27605481	
25	Domestic	LT-NSBM	33	5	0.22911432	
26	Domestic	LT-SBM	0.23	2638056	916.284416	
27	Domestic	LT-SBM	0.4	37977	58.548653	
28	Institutional	HT	0.4	1	0.077206	
29	Institutional	HT	11	175	17.6279598	
30	Institutional	HT	33	13	15.5792692	
31	Institutional	LT-NSBM	0.23	2932	0.042702	
32	Institutional	LT-NSBM	0.4	1964	4.480306	
33	Institutional	LT-NSBM	11	301	3.78907792	
34	Institutional	LT-NSBM	33	4	0.14290472	
35	Institutional	LT-SBM	0.23	10132	3.814595	
36	Institutional	LT-SBM	0.4	433	0.395315	
37	Institutional	LT-SBM	11	1	0	
38	Large Industry	EHT	132	9	132.229816	
39	Large Industry	EHT	220	3	44.7612846	
40	Large Industry	HT	0.4	2	0.186595	
41	Large Industry	HT	11	462	57.9854614	
42	Large Industry	HT	33	113	105.940995	
43	Large Industry	LT-NSBM	0.4	7	0.404861	
44	Large Industry	LT-NSBM	11	5	0.06194511	
45	Large Industry	LT-SBM	0.23	3	0	
46	Large Industry	LT-SBM	0.4	1	0	
47	Large Industry	LT-SBM	11	2	0	
48	Large Industry	LT-SBM	33	2	0	
49	Medium Industry	HT	11	40	1.04285197	
50	Medium Industry	LT-NSBM	0.4	1221	10.96448	

51	Medium Industry	LT-NSBM	11	1586	17.2238014	
52	Medium Industry	LT-NSBM	33	10	0.22738493	
53	Medium Industry	LT-SBM	0.4	14	0	
54	Medium Industry	LT-SBM	11	2	0	
55	Non-Domestic	EHT	132	4	37.6135059	
56	Non-Domestic	HT	0.4	3	0.63722359	
57	Non-Domestic	HT	11	930	103.817925	
58	Non-Domestic	HT	33	72	61.1029624	
59	Non-Domestic	LT-NSBM	0.23	1332	0.559357	
60	Non-Domestic	LT-NSBM	0.4	16835	67.4305434	
61	Non-Domestic	LT-NSBM	11	8646	72.8697214	
62	Non-Domestic	LT-NSBM	33	16	0.31231357	
63	Non-Domestic	LT-SBM	0.23	178063	84.143676	
64	Non-Domestic	LT-SBM	0.4	5772	16.517272	
65	Non-Domestic	LT-SBM	11	106	0.107654	
66	Railways	EHT	132	11	131.083118	
67	Small Industry	LT-NSBM	0.23	3	0.002716	
68	Small Industry	LT-NSBM	0.4	7861	8.33167	
69	Small Industry	LT-NSBM	11	236	0.442911	
70	Small Industry	LT-SBM	0.4	6	0.00099	
71	Streetlight	HT	0.4	3	2.385247	
72	Streetlight	HT	11	1	0.100414	
73	Streetlight	LT-NSBM	0.23	1088	1.064548	
74	Streetlight	LT-NSBM	0.4	1104	12.778989	
75	Streetlight	LT-NSBM	11	161	0.840439	
76	Streetlight	LT-SBM	0.23	30	0.040462	
77	Streetlight	LT-SBM	0.4	5	0	
78	Water Works	HT	0.4	1	0.257419	
79	Water Works	HT	11	78	5.8628882	
80	Water Works	HT	33	17	14.8977493	
81	Water Works	LT-NSBM	0.23	247	0.092153	
82	Water Works	LT-NSBM	0.4	2900	11.0576757	
83	Water Works	LT-NSBM	11	3314	12.9253541	
84	Water Works	LT-NSBM	33	1	0	
85	Water Works	LT-SBM	0.23	3	0.002935	
86	Water Works	LT-SBM	0.4	14	0	
87	Water Works	LT-SBM	11	1	0	
88	OTHERS	EHT	132	1	0.58725548	
89	OTHERS	HT	11	3	0.02677554	
90	OTHERS	HT	33	6	7.13851496	
91	OTHERS	LT-NSBM	0.4	4	0	
92	OTHERS	LT-NSBM	11	253	0.23464004	
93	OTHERS	LT-NSBM	33	1	0	
94	OTHERS	LT-SBM	0.23	30451	5.21432097	
95	OTHERS	LT-SBM	11	1	0	
	Total			2995997	2147.688075	

(Details of Feeder-wise losses)

Period from 1st Apr, 2022 - 30th June, 2022

Sl No.	Zone	Received at Circle (In MU)	Received at Division (In MU)	Received at Sub-division (In MU)	Name of the Station	Feeder Code/ID	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural/Rural)	Type of feeder meter (AMI/AMR/Other)	Received at Feeder (Final in MU)	Feeder Consumption (In MU)	Final Net Export at Feeder Level (In MU)	T&D losses	AT&C losses	% Data Received through Automatically (if feeder AMR/AMI)	Remarks
1	BCDD-01, BBSR				UNIT-8 DELTA	14011210	11 KV DELTA-PART	33KV	OTHER		0.040	0.043	-8.19%		0%	
2	BCDD-01, BBSR				SATYA NAGAR	14014201	11 KV SATYA NAGAR	33KV	OTHER		0.808	0.839	-3.82%		0%	
3	BCDD-01, BBSR				SASTRI NAGAR	14013202	11 KV SASTRI NAGAR	33KV	OTHER		0.520	0.446	14.22%		0%	
4	BCDD-01, BBSR				FLAT	14017201	11 KV FLAT	33KV	OTHER		0.036	0.025	30.93%		0%	
5	BCDD-02, BBSR				RAHUL CO.	14014204	11 KV RAHUL CO.	33KV	OTHER		0.206	0.142	31.22%		0%	
6	BCDD-02, BBSR				SATABDI NAGAR	14221202	11 KV SATABDI NAGAR	33KV	OTHER		0.888	0.584	34.26%		0%	
7	BCDD-02, BBSR				AIGINIA	14235202	11 KV AIGINIA	33KV	OTHER		0.524	0.562	-7.31%		0%	
8	BCDD-02, BBSR				CSPUR BDA -1	14002201	11 KV CSPUR BDA -1	33KV	OTHER		0.822	0.770	6.28%		0%	
9	BCDD-02, BBSR				CSPUR H B	14001204	11 KV CSPUR H B	33KV	OTHER		1.000	0.925	7.51%		0%	
10	BCDD-02, BBSR				BDA	14001203	11 KV BDA	33KV	OTHER		0.518	0.475	8.37%		0%	
11	BCDD-02, BBSR				DIST CENTER	14001206	11 KV DIST CENTER	33KV	OTHER		1.160	1.058	8.78%		0%	
12	BCDD-02, BBSR				K-5	14007202	11 KV K-5	33KV	OTHER		1.930	1.562	19.06%		0%	
13	BCDD-02, BBSR				SRI VIHAR	14001201	11 KV SRI VIHAR	33KV	OTHER		1.600	1.277	20.17%		0%	
14	BCDD-02, BBSR				TRISULIA	14216201	11 KV TRISULIA	33KV	OTHER		0.072	0.057	21.19%		0%	
15	BCDD-02, BBSR				VIPUL GARDEN	14007207	11 KV VIPUL GARDEN	33KV	OTHER		0.220	0.171	22.19%		0%	
16	BCDD-02, BBSR				RMRC & KH	14001205	11 KV RMRC & KH	33KV	OTHER		1.020	0.780	23.52%		0%	
17	BCDD-02, BBSR				DHARMAVIHAR	14222202	11 KV DHARMAVIHAR	33KV	OTHER		0.396	0.288	27.19%		0%	
18	BCDD-02, BBSR				BARAMUNDA HB	14005201	11 KV BARAMUNDA HB	33KV	OTHER		1.180	0.856	27.48%		0%	
19	BCDD-02, BBSR				CRPF	14005204	11 KV CRPF	33KV	OTHER		0.844	0.606	28.24%		0%	
20	BCDD-02, BBSR				BARAMUNDA BDA	14005202	11 KV BARAMUNDA BDA	33KV	OTHER		0.526	0.338	35.74%		0%	
21	BCDD-02, BBSR				SAMPUR	14006206	11 KV SAMPUR	33KV	OTHER		0.322	0.200	37.72%		0%	
22	BED, BBSR				SITARAM BAZAAR	14216203	11 KV SITARAM BAZAAR	33KV	OTHER		1.423	0.851	40.18%		0%	
23	BED, BBSR				KN INDUSTRIAL	14007203	11 KV KN INDUSTRIAL	33KV	OTHER		1.694	0.954	43.66%		0%	
24	BED, BBSR				BALIYANTA	14180202	11 KV BALIYANTA	33KV	OTHER		0.740	0.771	-4.19%		0%	
25	BED, BBSR				KALPANA-1	14020202	11 KV KALPANA-1	33KV	OTHER		0.263	0.271	-2.89%		0%	
26	BED, BBSR				BHIMATANGI	14018203	11 KV BHIMATANGI	33KV	OTHER		0.861	0.841	2.34%		0%	
27	BED, BBSR				WATER WORKS	14019204	11 KV WATER WORKS	33KV	OTHER		0.847	0.817	3.55%		0%	
28	BED, BBSR				KAUSHALYAGANGA	14026201	11 KV KAUSHALYAGANGA	33KV	OTHER		0.720	0.687	4.60%		0%	
29	NED, NIMAPARA				KALPANA FLAT	14245201	11 KV KALPANA FLAT	33KV	OTHER		1.156	0.762	34.09%		0%	
30	NED, NIMAPARA				MANGRAJ POINT	14370204	11 KV MANGRAJ POINT	33KV	OTHER		1.145	0.721	37.00%		0%	
31	NED, NIMAPARA				MANGALAPUR-2	14028204	11 KV MANGALAPUR-2	33KV	OTHER		0.356	0.286	19.76%		0%	
32	NED, NIMAPARA				ANASARA	14031205	11 KV ANASARA	33KV	OTHER		0.208	0.129	37.93%		0%	
33	NED, NIMAPARA				KONARK OH	14031201	11 KV KONARK OH	33KV	OTHER		0.312	0.159	48.82%		0%	
34	NED, NIMAPARA				MANGALAPUR-1	14028203	11 KV MANGALAPUR-1	33KV	OTHER		0.907	0.451	50.22%		0%	
35	NED, NIMAPARA				BASANT MALA	14027206	11 KV BASANT MALA	33KV	OTHER		0.993	0.461	53.60%		0%	
36	NED, NIMAPARA				KONARK U/G	14031204	11 KV KONARK U/G	33KV	OTHER		0.380	0.172	54.77%		0%	
37	NED, NIMAPARA				TRAHIACHYUTNAGAR	14259201	11 KV TRAHACHYUTNAGAR	33KV	OTHER		0.285	0.124	56.33%		0%	
38	NED, NIMAPARA				TULASIPUR	14263203	11 KV TULASIPUR	33KV	OTHER		0.536	0.231	56.97%		0%	
39	NED, NIMAPARA				NUAHAT-2	14030204	11 KV NUAHAT-2	33KV	OTHER		0.572	0.240	57.98%		0%	
40	NED, NIMAPARA				NAGAPUR	14051202	11 KV NAGAPUR	33KV	OTHER		0.484	0.192	60.35%		0%	
41	AED, ATHAGARH				BEGUNAI	14051203	11 KV BEGUNAI	33KV	OTHER		0.638	0.250	60.85%		0%	
42	AED, ATHAGARH				JUINTY	14029202	11 KV JUINTY	33KV	OTHER		0.682	0.264	61.32%		0%	
43	AED, ATHAGARH				RATAPATA-2	14305201	11 KV RATAPATA-2	33KV	OTHER		0.177	0.139	21.60%		0%	
44	AED, ATHAGARH				ANKULA	14116203	11 KV ANKULA	33KV	OTHER		0.079	0.041	47.84%		0%	
45	AED, ATHAGARH				GODIBANDHA	14111204	11 KV GODIBANDHA	33KV	OTHER		0.204	0.096	52.93%		0%	
46	AED, ATHAGARH				SUBARNAPUR	14306202	11 KV SUBARNAPUR	33KV	OTHER		0.098	0.042	56.64%		0%	
47	AED, ATHAGARH				BASALIHATA	14111205	11 KV BASALIHATA	33KV	OTHER		0.319	0.109	65.80%		0%	
48	AED, ATHAGARH				NARSINGHPUR	14112203	11 KV NARSINGHPUR	33KV	OTHER		0.934	0.298	68.14%		0%	
49	AED, ATHAGARH				GOPAPUR LOCAL	14305202	11 KV GOPAPUR LOCAL	33KV	OTHER		0.284	0.090	68.43%		0%	
50	AED, ATHAGARH				GOPINATHPUR	14110205	11 KV GOPINATHPUR	33KV	OTHER		0.559	0.171	69.38%		0%	
51	AED, ATHAGARH				BADAMBA TOWN	14110202	11 KV BADAMBA TOWN	33KV	OTHER		0.393	0.116	70.61%		0%	
52	AED, ATHAGARH				GADADHARPUR	14307201	11 KV GADADHARPUR	33KV	OTHER		0.554	0.156	71.81%		0%	
53	AED, ATHAGARH				BADABARSINGHA	14308201	11 KV BADABARSINGHA	33KV	OTHER		0.459	0.129	71.95%		0%	
54	AED, ATHAGARH				KANTAPANHARA	14306201	11 KV KANTAPANHARA	33KV	OTHER		0.464	0.113	75.67%		0%	
55	CDD-1, CUTTACK				BANGERISINGHA	14308203	11 KV BANGERISINGHA	33KV	OTHER		0.222	0.053	76.06%		0%	
56	CDD-1, CUTTACK				BALDHARIA	14111203	11 KV BALDHARIA	33KV	OTHER		0.568	0.135	76.26%		0%	
57	CDD-1, CUTTACK				GANGA MANDIR	14086202	11 KV GANGA MANDIR	33KV	OTHER		0.359	0.382	-6.30%		0%	
58	CDD-1, CUTTACK				TOWNHALL	14081202	11 KV TOWNHALL	33KV	OTHER		0.462	0.308	33.24%		0%	
59	CDD-1, CUTTACK				HIGH COURT	14084208	11 KV HIGH COURT	33KV	OTHER		1.788	0.900	49.63%		0%	
60	CDD-1, CUTTACK				RANIHAT	14083202	11 KV RANIHAT	33KV	OTHER		0.798	0.332	58.43%		0%	
61	CDD-1, CUTTACK				EYE HOSPITAL	14238202	11 KV EYE HOSPITAL	33KV	OTHER		0.649	0.168	74.16%		0%	
62	CDD-2, CUTTACK				CIRCUIT HOUSE	14209201	11 KV CIRCUIT HOUSE	33KV	OTHER		0.434	0.111	74.51%		0%	
63	CDD-2, CUTTACK				CB9	14209202	11 KV CB9	33KV	OTHER		0.324	0.078	75.80%		0%	
64	CDD-2, CUTTACK				RING-1	14089203	11 KV RING-1	33KV	OTHER		0.432	0.317	26.68%		0%	
65	CDD-2, CUTTACK				CHAULIAGANJ-1	14089205	11 KV CHAULIAGANJ-1	33KV	OTHER		0.831	0.572	31.16%		0%	
66	CDD-2, CUTTACK				KANDARPUR	14093202	11 KV KANDARPUR	33KV	OTHER		0.283	0.164	42.06%		0%	
67	CDD-2, CUTTACK				TELDIA	14297202	11 KV TELDIA	33KV	OTHER		0.077	0.045	42.19%		0%	
68	CDD-2, CUTTACK				SOMAPUR	14297201	11 KV SOMAPUR	33KV	OTHER		0.045	0.025	44.80%		0%	
69	CDD-2, CUTTACK				POPARADA	14211201	11 KV POPARADA	33KV	OTHER		0.312	0.165	47.10%		0%	
70	CDD-2, CUTTACK				KALYANINAGAR	14089201	11 KV KALYANINAGAR	33KV	OTHER		0.712	0.369	48.19%		0%	
71	CDD-2, CUTTACK				BISWALPADA	14094205	11 KV BISWALPADA	33KV	OTHER		0.150	0.073	51.17%		0%	

[illegible]