

No. TPCODL/EAG/ 9217

Date: 31 MAR 2023

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 **Sixth Periodic Energy Accounting Report of TPCODL for 3rd 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 5th Periodic Energy Accounting Report of TPCODL for 3rd 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.) 6th Periodic Energy Accounting Report of TPCODL
- 2.) Details of Consumers & Consumer Consumption
- 3.) Notes for 6th Periodic Energy Auditing Report of TPCODL
- 4.) Power Procurement by GRIDCO approved by the commission



NOTES FOR 6TH PERIODIC ENERGY ACCOUNTING REPORT OF TPCODL
(FOR 3rd 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:

- a.) Status of Communication has been left blank, as we don't have AMR/AMI Compliant meter in these input points.
- b.) 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 2155.311 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.

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. 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:

- a.) 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.
- b.) 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**

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	9438585161	Fax	
v	Mobile		E-mail ID	shankarshan.panigrahi@tpcentralodisha.com
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	1st October, 2022 - 31st December, 2022		

Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)		1st October, 2022 - 31st December, 2022
2 Technical Details			
(a) Energy Input Details			
(i)	Input Energy Purchase (From Generation Source)	Million kwh	2155.31
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	2155.31
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	1769.40
(b) Transmission and Distribution (T&D) loss Details		Million kwh	385.91
		%	0.18
(c) Collection Efficiency		%	104%
Aggregate Technical & Commercial Loss		%	14%

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)
TPCSDL

Signature:-

Name of Energy Manager

Registration Number:

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

Seal



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				
v	Number of DTs	75721			
vi	Number of consumers	3069070			
2	Parameters	66kV and above	33kV	11/22kV	LT
a. i.	Number of conventional metered consumers	36	230	2420	2993028
ii	Number of consumers with 'smart' meters	0	14	137	15889
iii	Number of consumers with 'smart prepaid' meters	0	0	0	14981
iv	Number of consumers with 'AMR' meters	0	176	7714	1442
v	Number of consumers with 'non-smart prepaid' meters	0	0	0	0
vi	Number of unmetered consumers	0	0	0	33003
vii	Number of total consumers	36	420	10271	3058343
b.i.	Number of conventionally metered Distribution Transformers	-	0	-	5240
ii	Number of DTs with communicable meters	-	0	0	-
iii	Number of unmetered DTs	-	-	-	70481
iv	Number of total Transformers	-	-	-	75721
c.i.	Number of metered feeders	-	201	1021	
ii	Number of feeders with communicable meters	-			
iii	Number of unmetered feeders	-	32	96	
iv	Number of total feeders	-	233	1117	
d.	Line length (ct km)		92136.5786		
e.	Length of Aerial Bunched Cables		31646.35		
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	145	Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	
		Sale of surplus power			
		Quantum of inter-state transmission loss		As confirmed by SLDC, RLDC etc	

		Power procured from inter-state sources	145	Based on data from Form 5	
		Power at state transmission boundary	145		
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	145		
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	145		
4	Voltage level	Energy Sales Particulars	MU	Reference	
i	LT Level	DISCOM' consumers	1,017	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	1,017		
		Quantum of LT level losses	355		
		Energy Input at LT level	1,372		
ii	11 kV Level	DISCOM' consumers	165	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	165		
		Quantum of Losses at 11 kV	14		
		Energy input at 11 kV level	179		
iii	33 kV Level	DISCOM' consumers	190	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	190		

		Quantum of Losses at 33 kV	16			
		Energy input at 33kV Level	206			
iv	> 33 kV	DISCOM' consumers	397.69	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	398			
		Sales at 66kV and above (EHV)	398			
Total Energy Requirement			2,155			
Total Energy Sales			1,769			

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	1372.099407	1017.032858	355.0665493	25.87761116
ii	11 Kv	179.4130435	165.06	14.35304348	8
iii	33 kv	206.1086957	189.62	16.48869565	8
iv	> 33 kv	397.69	397.69	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	145.103737	145.103737	0	

Loss Estimation for DISCOM	
T&D loss	386
D loss	386
T&D loss (%)	0.17904992
D loss (%)	0.17904992

75			Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%		
			Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	0	0.00%		
			Others	0	0	0	#DIV/0!	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	0	0.00%		
			Sub-total	0	0	0	100%	0	0	100%	0	0	0	100%	0	0%	0	0	100%		
76		Total	Residential	2745477	25733	2771210	90%	3846.462	25.581	3872.043	68%	713.5981	3,204558778	716.802642	41%			333.208919	357.969388	107.43%	
			Agricultural	30467	5301	35768	1%	146.38016	21.90607	168.28623	3%	33.31631	1.54133008	34.8576399	2%			11.0999341	12.2648468	110.49%	
			Commercial/Industrial-LT	229851	523	230374	8%	824.72966	1.29	826.01966	15%	210.442	0.39319	210.835153	12%			154.712311	168.031947	108.61%	
			Commercial/Industrial-HT	4133	25	4158	0%	305.39646	0.48465	305.88111	5%	308.5224	0.044697756	308.5670846	17%			226.894285	241.836303	106.59%	
			Others	26139	1421	27560	1%	495.95539	10.30148	506.25687	9%	486.6689	11.67139319	498.3403381	28%			353.934266	345.618042	97.65%	
77		At company level		3036067	33003	3069070	100%	5618.9237	59.5632	5678.48687	100%	2155.311	1752.548	16.8551698	1769.402858	100%	385.9083	18%	1079.84971	1125.72053	104.25%

** 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.

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Name of the DISCOM:

Full Address:-

Seal

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



Signature:-
Name of Energy Manager:
Registration Number:

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

(Details of Consumers)						
Summary of Energy						
Period From 1st October 2022 To 31st December 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	Emergency Supply to CGP (kWh)	EHT	0.23	2	0.481107996	
2	Emergency Supply to CGP (kWh)	EHT	132	6	1.944178027	
3	General Purpose	EHT	0.23	2	31.43113697	
4	General Purpose	EHT	132	3	4.217079017	
5	Heavy Industry	EHT	0.23	2	41.54497376	
6	Heavy Industry	EHT	132	1	44.32630801	
7	Heavy Industry	EHT	220	1	53.50970115	
8	Large Industry	EHT	0.23	4	25.46448214	
9	Large Industry	EHT	132	4	11.86597452	
10	Large Industry	EHT	400	1	15.62564913	
11	Mini Steel Plant	EHT	0.23	1	0	
12	Mini Steel Plant	EHT	132	1	0.105319165	
13	Power Intensive Industry	EHT	0.23	1	0	
14	Power Intensive Industry	EHT	132	3	32.20237202	
15	Railway Traction	EHT	0.23	4	25.41096229	
16	Railway Traction	EHT	132	9	109.5628399	
17	Allied Agricultural Activities	HT	0.23	132	2.919028944	
18	Allied Agricultural Activities	HT	0.4		0.040408029	
19	Allied Agricultural Activities	HT	11	365	6.364013712	
20	Allied Agricultural Activities	HT	33	2	0.111642704	
21	Allied Agro-Industrial Activities	HT	0.23	27	1.404133555	
22	Allied Agro-Industrial Activities	HT	11	53	5.009632689	
23	Allied Agro-Industrial Activities	HT	33	8	6.654046614	
24	Bulk Supply - Domestic	HT	0.23	63	0.258737812	
25	Bulk Supply - Domestic	HT	0.4	40	0.094274437	
26	Bulk Supply - Domestic	HT	11	756	7.197487042	
27	Bulk Supply - Domestic	HT	33	22	5.841751104	
28	General Purpose >= 110 KVA	HT	0.23	20	0.988201637	
29	General Purpose >= 110 KVA	HT	11	931	79.45934061	
30	General Purpose >= 110 KVA	HT	33	73	50.44798328	
31	General Purpose >70 KVA < 110 KVA	HT	0.23	33	0.685011016	
32	General Purpose >70 KVA < 110 KVA	HT	0.4	1	0.016242646	
33	General Purpose >70 KVA < 110 KVA	HT	11	578	12.37136835	
34	General Purpose >70 KVA < 110 KVA	HT	33	3	0.113287736	
35	H.T Industrial (M) Supply	HT	0.23	158	1.649061074	
36	H.T Industrial (M) Supply	HT	0.4	1	0.002491701	
37	H.T Industrial (M) Supply	HT	11	1467	15.02822732	
38	H.T Industrial (M) Supply	HT	33	9	0.236120588	
39	Irrigation Pumping and Agriculture	HT	0.23	462	0.123249	
40	Irrigation Pumping and Agriculture	HT	0.4	1	0	
41	Irrigation Pumping and Agriculture	HT	11	1748	0.595113353	
42	Large Industry	HT	0.23	40	4.608092987	
43	Large Industry	HT	11	450	44.03943051	
44	Large Industry	HT	33	109	73.36638448	
45	Mega Lift-General Purpose < 110 KVA	HT	0.23	36	0.023265853	
46	Mega Lift-General Purpose < 110 KVA	HT	11	232	0.275729463	
47	Mega Lift-General Purpose > 110 KVA	HT	0.23	2	0.074391428	
48	Mega Lift-General Purpose > 110 KVA	HT	11	3	0.025650404	
49	Mega Lift-General Purpose > 110 KVA	HT	33	6	0.533854512	
50	Mini Steel Plant	HT	11	1	0	
51	Mini Steel Plant	HT	33	1	8.21816362	
52	Power Intensive Industry	HT	11	1	0	
53	Power Intensive Industry	HT	33	3	16.40478534	
54	Public Water Works & Sewerage Pumping	HT	0.23	748	3.182744336	
55	Public Water Works & Sewerage Pumping	HT	0.4	4	0.016519661	
56	Public Water Works & Sewerage Pumping	HT	11	2649	16.00876569	
57	Public Water Works & Sewerage Pumping	HT	33	17	15.69085666	
58	Specified Public Purpose	HT	0.23	44	0.603870678	
59	Specified Public Purpose	HT	11	431	15.07109568	
60	Specified Public Purpose	HT	33	18	12.00931435	
61	Specified Public Purpose	HT	11	1	0	
62	Allied Agricultural Activities	LT	0.23	4077	2.398159	
63	Allied Agricultural Activities	LT	0.4	1577	2.0456793	

64	Allied Agro-Industrial Activities	LT	0.23	8	0.017634	
65	Allied Agro-Industrial Activities	LT	0.4	41	0.465857	
66	Domestic Others	LT	0.23	2694268	656.3154966	
67	Domestic Others	LT	0.4	47059	47.070556	
68	Domestic Others	LT	11	1	0	
69	Electric vehicle through public charging system/sta	LT	0.4	9	0.000829	
70	General Purpose < 110 KVA	LT	0.23	192142	85.493176	
71	General Purpose < 110 KVA	LT	0.4	21507	64.447727	
72	General Purpose < 110 KVA	LT	11	6862	41.718674	
73	General Purpose < 110 KVA	LT	33	9	0.171001	
74	General Purpose < 110 KVA	LT	415	1	0.00596	
75	General Purpose >= 110 KVA	LT	0.23	2	0.048577	
76	General Purpose >= 110 KVA	LT	0.4	31	0.974296	
77	Irrigation Pumping and Agriculture	LT	0.23	8529	1.712581	
78	Irrigation Pumping and Agriculture	LT	0.4	18738	4.996461	
79	Kutir Jyoti <= 30 Units/month	LT	0.23	29001	0.024339	
80	L.T. Industrial (M) Supply >=22 KVA and <110 KVA	LT	0.23	102	0.713879	
81	L.T. Industrial (M) Supply >=22 KVA and <110 KVA	LT	0.4	1159	9.178571	
82	L.T. Industrial (M) Supply >=22 KVA and <110 KVA	LT	11		0.053298	
83	L.T. Industrial (S) Supply <22 KVA	LT	0.23	2150	1.454425	
84	L.T. Industrial (S) Supply <22 KVA	LT	0.4	5800	5.513736	
85	L.T. Industrial (S) Supply <22 KVA	LT	11	184	0.295501	
86	Large Industry >=110 KVA	LT	0.23	1	0.104676	
87	Large Industry >=110 KVA	LT	0.4	8	0.482156	
88	OYT Scheme < 110 KVA	LT	0.23	316	0.114349	
89	OYT Scheme < 110 KVA	LT	0.4	85	0.061318	
90	OYT Scheme < 110 KVA	LT	11	6	0.003004	
91	Public Lighting	LT	0.23	2194	4.408822	
92	Public Lighting	LT	0.4	1167	9.501327	
93	Public Lighting	LT	11	156	0.970231	
94	Public Water Works and Sewerage Pumping <110	LT	0.23	762	3.225788	
95	Public Water Works and Sewerage Pumping <110	LT	0.4	2545	10.955536	
96	Public Water Works and Sewerage Pumping >=11	LT	0.23	2	0.056208	
97	Public Water Works and Sewerage Pumping >=11	LT	0.4	11	0.476698	
98	Specified Public Purpose	LT	0.23	14738	5.301194	
99	Specified Public Purpose	LT	0.4	2028	3.169283	
			Total	3069070	1769.40	

231	CUTTACK CIRCLE SED, SALIPUR	NISCHINTAKOILI	14099203	RAMAKRUSNAPUR	11 KV	OTHER		1.29431	79%		0%
232	CIRCLE-01, BBSR NED, NIMAPARA	GOP	14051201	GOP	11 KV	OTHER		2.1736	80%		0%
233	CUTTACK CIRCLE AED, ATHAGARH	NARSINGHPUR	14112203	NARSINGHPUR	11 KV	OTHER		3.654	80%		0%
234	CUTTACK CIRCLE CDD-1, CUTTACK	SATICHaura ODSSP	14238202	EYE HOSPITAL	11 KV	OTHER		1.5214	80%		0%
235	CUTTACK CIRCLE CED, CUTTACK	TANGI	14107203	MANGULI	11 KV	OTHER		4.21657	80%		0%
236	CIRCLE-01, BBSR BCDD-02, BBSR	NEW KALARAHANGA IPC	14251204	INJANA	11 KV	OTHER		1.95406	80%		0%
237	CUTTACK CIRCLE CED, CUTTACK	TANGI	14107204	NHS GOBINDPUR	11 KV	OTHER		2.00534	80%		0%
238	CUTTACK CIRCLE CDD-2, CUTTACK	CRRI	14091204	NAYABAZAR	11 KV	OTHER		4.79942	81%		0%
239	CUTTACK CIRCLE CED, CUTTACK	KAIMATIA ODSSP	14301202	KAIMATIA LOCAL	11 KV	OTHER		0.2335	81%		0%
240	CUTTACK CIRCLE CED, CUTTACK	ADASPUR	14104201	ADASPUR & UN COLL	11 KV	OTHER		0.8616	81%		0%
241	CUTTACK CIRCLE CED, CUTTACK	KASARDA	14220201	ERANCHA	11 KV	OTHER		1.2231	81%		0%
242	CIRCLE-01, BBSR BCDD-02, BBSR	NEW KALARAHANGA IPC	14251202	DHAWA	11 KV	OTHER		1.40834	82%		0%
243	CIRCLE-01, BBSR NED, NIMAPARA	BALIPATNA	14024202	BUDHIPADA	11 KV	OTHER		4.58536	82%		0%
244	CUTTACK CIRCLE CED, CUTTACK	DAMODARPUR	14101202	SUNDARGAON	11 KV	OTHER		3.6958	82%		0%
245	CUTTACK CIRCLE CED, CUTTACK	CHOWDWAR	14184201	CITY BARRAGE	11 KV	OTHER		3.11956	82%		0%
246	CUTTACK CIRCLE CED, CUTTACK	BALIKUDA	14102202	BARANGA	11 KV	OTHER		3.622	83%		0%
247	CUTTACK CIRCLE CDD-1, CUTTACK	SISHUBHABAN	14081203	CHANDINICHOWK	11 KV	OTHER		3.7028	83%		0%
248	CIRCLE-01, BBSR BCDD-02, BBSR	VANIVIHAR ODSSP	14230203	INCOME TAX	11 KV	OTHER		4.67824	83%		0%
249	CUTTACK CIRCLE CED, CUTTACK	KASARDA	14220204	SITHALO	11 KV	OTHER		2.1054	83%		0%
250	CUTTACK CIRCLE SED, SALIPUR	BAHUGRAM-1	14366202	ICHHAPUR	11 KV	OTHER		0.72096	83%		0%
251	CUTTACK CIRCLE CDD-1, CUTTACK	SATICHaura ODSSP	14238201	TULASIPUR	11 KV	OTHER		0.7464	84%		0%
252	CUTTACK CIRCLE CED, CUTTACK	CHHATISIA	14103203	KUSPANGI	11 KV	OTHER		0.8672	85%		0%
253	CUTTACK CIRCLE SED, SALIPUR	JAPAKUDA ODSSP	14312204	MALA-MAUDA	11 KV	OTHER		1.589	85%		0%
254	CIRCLE-01, BBSR NED, NIMAPARA	GOP	14051204	TAYARA	11 KV	OTHER		2.11368	85%		0%
255	CUTTACK CIRCLE CED, CUTTACK	KAIMATIA ODSSP	14301204	SIHA	11 KV	OTHER		0.6476	85%		0%
256	CUTTACK CIRCLE AED, ATHAGARH	TIGIRIA	14115201	BINDHANIMA	11 KV	OTHER		0.892	85%		0%
257	CIRCLE-01, BBSR NED, NIMAPARA	TRAHI ACHYUTA NAGAR	14259201	TRAHIACHYUTNAGAR	11 KV	OTHER		2.4568	85%		0%
258	CIRCLE-01, BBSR BCDD-02, BBSR	CHANDAKA ODSSP	14246204	INDUSTRIAL	11 KV	OTHER		0.6261	85%		0%
259	CUTTACK CIRCLE CED, CUTTACK	CHHATISIA	14103201	BANIPADA	11 KV	OTHER		0.368	85%		0%

Table – 25
Quantum of Power Purchase from Various Sources for FY 2022-23
(Figures in MU)

Sources of Purchase	Commission's Approval for State Drawl for 2021-22	GRIDCO's Proposal for 2022-23	Estimated Availability for 2022-23	Commission's Approval for State Drawl for 2022-23
HYDRO (OLD)	3676.86	3452.36	3660.22	3660.22
Indravati	1942.38	1703.79	1942.38	1942.38
Machakund	262.50	259.88	259.88	259.88
Total State Hydro	5881.74	5416.03	5862.48	5862.48

Sources of Purchase	Commission's Approval for State Drawl for 2021-22	GRIDCO's Proposal for 2022-23	Estimated Availability for 2022-23	Commission's Approval for State Drawl for 2022-23
OPGC (I & II)	2726.34	2597.99	2636.04	2636.04
OPGC (III & IV)	4208.22	6919.90	6910.82	4862.04
IPPs	4847.48	4298.70	4338.36	4338.36
Total State Thermal	11782.04	13816.59	13885.22	11836.44
Small Hydro	458.35	456.35	456.35	456.35
Biomass Energy	80.00	80.00	80.00	80.00
Wind Energy	685.00	975.87	975.87	975.87
Solar Energy	1479.00	1800.00	1800.00	1800.00
Total RE	2702.35	3312.22	3312.22	3312.22
TOTAL STATE	20366.13	22544.84	23059.91	21011.13
CHUKHA HPS	255.43	267.00	267.05	267.05
Tala HPS	124.69	126.00	125.80	125.80
Mangdechhu	342.26	323.00	322.84	322.84
Teesta-V HPS	504.57	506.00	505.93	505.93
Total Central Hydro	1226.94	1222.00	1221.62	1221.62
TSTPS-I	2158.20	2175.82	541.01	541.01
TSTPS-II	1346.00	1317.38	1349.63	1349.63
FSTPS-I & II	-	39.34	59.48	0.00
FSTPS-III	-	503.27	578.66	0.00
KhSTPS-I	-	27.67	29.49	0.00
KhSTPS-II	-	266.97	265.30	0.00
DSTPS (Unit-I & II)	2608.02	6356.29	6350.84	6350.84
Barh-I (Unit-I & II)	-	1937.72	-	-
Total Central Thermal	7198.89	12624.47	9174.41	8241.48
Total Central Sector	8425.83	13846.47	10396.03	9463.10
TOTAL GRIDCO	28791.96	36391.31	33455.94	30474.23

Reference: Honorable OERC's order in Case 107 of 2021 dated 24.3.2022 ,Table 25, Page 98 -99