

**BEFORE THE TAMIL NADU ELECTRICITY REGULATORY COMMISSION,  
CHENNAI**

Filing No :  
Case No : M.P. No. of 2025  
In the matter of : Petition under TNERC (Grid connectivity and Intra-State Open Access) Regulations, 2014, for determination of additional surcharge payable by open access consumers availing power under open access for the period from 01.04.2025 to 30.09.2025 based on the data for the period from 01.04.2024 to 30.09.2024.


Tamil Nadu Power Distribution Corporation Ltd.  
(TNPDC)  
NPKRR Maaligai  
144, Anna Salai,  
Chennai – 600 002

..... Petitioner

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Dated at Chennai on this the 20<sup>th</sup> day of February, 2025

  
Petitioner (FAC)

## Annexure-I

Calculation of Additional Surcharge for the period from April 2025 to September 2025 based on the data from April 2024 to September 2024

S.No.	Description	Nomenclature	Value	Unit
1	Contracted Capacity	A	23959.86	MW
2	Maximum Availability	B	23916.98	MW
3	Minimum Availability	C	11252.30	MW
4	Average Availability	D	15981.58	MW
5	Maximum Scheduled	E	20518.05	MW
6	Minimum Scheduled	F	10418.41	MW
7	Average Scheduled	G	14939.49	MW
8	Capacity not availed (Max)	H	6478.38	MW
9	Capacity not availed (Min)	I	0.00	MW
10	Capacity not availed (Avg.)	J	1042.09	MW
11	OA Allowed (Max)	K	1411.51	MW
12	OA Allowed (Min)	L	12.94	MW
13	OA Allowed (Avg.)	M	543.46	MW
14	Capacity stranded due to OA	N	410.55	MW
15	Total Fixed Charge (PPA)	O	9139.65	Rs in Crore
16	Fixed charges per MW available	$P=O/D$	0.57	Rs in Crore
17	Fixed charges of stranded capacity	$Q=P*N$	234.79	Rs in Crore
18	Transmission Charges paid	R	4396.66	Rs in Crore
19	Energy Scheduled	S	65614.25	MU
20	Transmission Charges per kWh	$T=R/S*10$	0.67	Rs./kWh
21	Distribution Charges (As approved in Tariff Order)	U **	1.01	Rs./kWh
22	Total T & D Charges per kWh	$V=T+U$	1.68	Rs./kWh
23	Energy Consumed by OA Consumer from Discoms	W	3649.99	MU
24	T & D charges payable to Discoms by OA consumers	$X=W*V/10$	614.29	Rs in Crore
25	Demand Charges Recovered by Discoms from OA	Y	825.94	Rs in Crore
26	Demand Charges to be adjusted	$Z=Y-X$	211.65	Rs in Crore
27	Net stranded charges recoverable	$AA=Q-Z$	23.13	Rs in Crore
28	OA Adjusted energy	AB	2287.14	MU
29	Additional surcharge AC	$AC=AA/AB*10$	0.10	Rs./kWh

**Annexure-II**

<b>HT CONSUMERS - IEX AND THIRDPARTY ADJUSTMENT DETAILS - April 2024 to September 2024</b>						
<b>Month Year</b>	<b>Nos</b>	<b>IEX (MU)</b>	<b>THIRD PARTY (MU)</b>	<b>OA Energy Adjusted</b>	<b>NET CONS (MU)</b>	<b>DEMAND CHARGES (Rs in Crores)</b>
Apr-24	3999	237.20	108.87	346.07	1195.16	139.09
May-24	4084	227.48	130.97	358.45	842.40	141.02
Jun-24	4180	185.50	179.19	364.69	434.06	131.66
Jul-24	4289	166.27	240.05	406.32	345.07	135.18
Aug-24	4349	214.32	179.42	393.74	498.49	135.97
Sep-24	4386	178.96	238.91	417.87	334.81	143.01
<b>Total</b>		<b>1209.73</b>	<b>1077.41</b>	<b>2287.14</b>	<b>3649.99</b>	<b>825.94</b>

**Annexure-III**

<b>Details of Energy Availed and Scheduled</b>									
<b>S.No.</b>	<b>Description</b>		<b>Apr-24</b>	<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Aug-24</b>	<b>Sep-24</b>	<b>Total</b>
1	Energy Consumed by OA Consumer from Discoms		1195.16	842.40	434.06	345.07	498.49	334.81	3649.99
2	Energy Scheduled (MU)	Total Energy Scheduled	10216.07	10672.85	10835.58	11541.26	10766.83	11581.66	65614.25
3	OA Scheduled Energy	Other than RE Power	276.82	253.14	203.94	187.02	239.06	192.13	1352.11
		RE Power	93.58	126.01	175.98	234.50	171.01	233.69	1034.77
		Total OA Energy Scheduled	370.40	379.15	379.92	421.52	410.07	425.82	2386.88
4	OA Adjusted		346.07	358.45	364.69	406.32	393.74	417.87	2287.14

Annexure – IV

Power Purchase Details (Fixed Cost) from April 2024 to September 2024 (Provisional)

Sl.No	Sources	Quantum (MU)	Fixed Cost
<b>1</b>	<b>Own Generation</b>		
	Kundha	744.655	260.91
	Kadamparai	492.745	129.93
	Erode	574.611	339.24
	Tirunelveli	509.111	177.17
	NCPTS Stage-I	1394.191	609.17
	NCTPS Stage .II	2875.543	556.76
	M.T.P.S Stage-I	2455.328	401.20
	M.T.P.S Stage.II	1042.003	550.75
	T.T.P.S.	2725.049	697.29
	Kovil Kalpal	0.000	111.97
	Valuther Phase -I & II	474.247	171.34
	Kuttalam	333.777	106.72
	Basin Bridge	0.000	175.94
	<b>Sub Total</b>	<b>13621.260</b>	<b>4288.39</b>
<b>2</b>	<b>C.G.S.</b>		
	Neyveli Lignite Corpn Ltd. TS-II	1968.070	142.69
	Neyveli Lignite Corpn Ltd. Expn.TS-I	739.050	69.18
	Neyveli Lignite Corpn Ltd. Expn.TS-II	286.206	76.97
	NLC/NNTPP	2041.712	408.52
	NTPC/SR I & II	1584.554	139.90
	NTPC/SR STAGE -III	441.851	38.51
	NTPC/KUDIGI	995.543	226.29
	NTPC/TALCHER 2	1603.625	177.14
	NTPC/Farakka	61.794	7.65
	NTPC/Kahalgoan	19.129	2.75
	NTPC/Talcher 1	28.440	-0.54
	NTPC/SIMHADRI ST-2	661.504	101.79
	NTPC/Barh-1	0.000	0.92
	NTPC/Barh-2	0.000	2.17
	NTPC/Bongaigaon	0.000	0.01
	NTPC/KBUN	0.000	0.01
	NTPC/Telangana	35.367	7.49

	NTECL/VALLUR	2946.475	580.70
	NTPL	1202.997	234.06
	Kudankulam Nuclear Power Corpn.	3601.749	179.23
	NPC/MAPS	565.238	0.00
	NPC/KAIGA	888.597	1.87
	<b>Sub Total</b>	<b>19671.902</b>	<b>2397.30</b>
<b>3</b>	<b>IPP's</b>		
	SEPC Power Private Limited	1260.660	238.01
	TAQA/ST-CMS	784.425	138.52
	<b>Sub Total</b>	<b>2045.085</b>	<b>376.53</b>
<b>4</b>	<b>Renewable</b>		
	Windmill	1570.638	0.00
	Co-Generation	123.628	25.37
	Biomass	0.728	0.09
	Captive Power	0.450	0.00
	Solar	3531.764	0.00
	UI	-345.921	0.00
	<b>Sub Total</b>	<b>4881.286</b>	<b>25.46</b>
<b>5</b>	<b>Traders (MTOA)</b>		
	PTC India Ltd. (Pilot-II DB Power)	337.460	55.81
	PTC India Ltd. (Pilot-II Jai Prakash Power)	211.144	33.51
	PTC India Ltd. (GMRKEL)	387.463	84.59
	<b>Sub Total</b>	<b>936.066</b>	<b>173.91</b>
<b>6</b>	<b>Traders (LTOA)</b>		
	Jindal Case1 Bidding	1583.066	320.56
	Opg Pvt Ltd	179.493	31.74
	Coastal Energen Pvt. Ltd.	1622.474	278.37
	PTC India Ltd.	379.387	120.76
	Dhariwal Infrastructure Ltd.	393.434	49.26
	DB Power Ltd.	732.342	167.58
	IL&FS Tamil Nadu Power	1856.538	362.24
	Bharath Aluminium	770.516	87.52
	KSK Mahanadi Power	1680.769	350.76
	GMR Energy Trading Ltd.	534.185	109.07
	Nvvn Solar	15.579	0.00
	<b>Sub Total</b>	<b>9747.783</b>	<b>1877.86</b>
<b>7</b>	<b>Traders (STOA)</b>		
	NVVN	906.773	0.00
	PTC India Ltd.	468.463	0.00

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Branches: Kumbakonam, Kochi, Chennai, Trichy, Tanjore, Ranipet, Bengaluru, Hyderabad

	Manikaran Energy(Coastal)	332.373	0.00
	Arunachal Pradesh Power Corptn.	0.000	0.20
	Shree Cement	294.980	0.00
	<b>Sub Total</b>	<b>2002.589</b>	<b>0.20</b>
<b>8</b>	<b>STOA Charges</b>		
	Power Exchange	4563.357	0.00
	<b>Sub Total</b>	<b>4563.357</b>	<b>0.00</b>
	<b>Power Purchase Cost - Total 1</b>	<b>57469.328</b>	<b>9139.651</b>
9	Transmission charges for 01.10.23 to 31.03.24	0.000	4396.660
10	<b>Fixed Cost - Total 2</b>	<b>0.000</b>	<b>4396.66</b>
	<b>Grand Total (1+2)</b>	<b>57469.328</b>	<b>13536.31</b>

Annexure-IV									
Fixed Cost from April 2024 to September 2024									
S.No.	Name of the Plant	Depreciation	Interest on loan capital	Interest on Working Capital	Return on Equity	A/C 74+75+76 Operation and Maintenance Expenses	Other Interest/ other debts head 78	A/C 62 Cr Other Income	Total Fixed Cost
1	TTPS	97.07	332.47	56.01	46.96	197.67	0.01	32.89	697.29
2	MTPS	54.06	201.25	36.78	31.83	123.83	0.11	46.65	401.20
3	NCTPS-I	85.67	338.56	40.37	40.79	117.28	0.004	13.50	609.17
4	MTPS-II	230.24	178.89	67.04	42.09	50.72	0.001	18.22	550.75
5	NCTPS-II	145.39	190.77	43.19	90.63	100.07	0.00	13.27	556.76
6	ThirumalkottaiGTPS	18.90	76.87	3.45	9.79	2.97	0.00	0.01	111.97
7	Kuttalam-GTPS	19.48	65.41	6.35	8.13	7.43	0.00	0.08	106.72
8	Basin Bridge-GTPS	17.28	131.87	4.62	20.41	1.76	0.00	0.00	175.94
9	Valuthur-GTPS	25.36	109.36	7.01	15.84	13.93	0.00	0.15	171.34
10	Erode-HPS	95.86	155.89	9.27	31.88	46.41	0.01	0.08	339.24
11	Kadamparai-HPS	15.11	65.95	2.98	7.72	39.32	0.00	1.14	129.93
12	Kundah-HPS	33.43	152.32	6.25	19.49	50.62	0.03	1.22	260.91
13	Tirunelveli-HPS	26.45	101.28	4.75	12.98	37.18	0.00	5.46	177.17
	<b>TOTAL</b>	<b>864.27</b>	<b>2100.87</b>	<b>288.04</b>	<b>378.52</b>	<b>789.20</b>	<b>0.17</b>	<b>132.68</b>	<b>4288.39</b>

For G. Natesan and Co  
Chartered Accountants  
FRN: 002424S

**Krishnaswami Murali**

Digitally signed by Krishnaswami Murali  
DN: c=IN, o=Personal, title=6801,  
pseudonym=36894940cecb486d81121966b536  
2f08,  
2.5.4.20=7726466d7c723c856594c97af3a6fcd3  
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Branches: Kumbakonam, Kochi, Chennai, Trichy, Tanjore, Ranipet, Bengaluru, Hyderabad



**Annexure-V**

**Average of 6 months' 15 mins block energy details (April 2024 to September 2024)**

S.No.	Description	Total Availability in MW	Total Schedule in MW	Capacity not availed in MW	Total OA allowed	Min of backing down or OA Allowed
1	Max in MW	23,916.98	20,518.05	6,478.38	1,411.51	1,411.51
2	Min in MW	11,252.30	10,418.41	-	12.94	-
3	Avg in MW	15,981.58	14,939.49	1,042.09	543.46	410.55
4	Mwhr	7,01,91,106.05	6,56,14,246.72	45,76,859.33	23,86,882.63	18,03,120.39
5	MU	70,191.11	65,614.25	4,576.86	2,386.88	1,803.12