

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

Filing No :
Case No : M.P. No. of 2021.
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

Tamil Nadu Generation and Distribution Corporation Ltd.
(TANGEDCO)
NPKRR Maaligai
144, Anna Salai,
Chennai – 600 002

..... Petitioner

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Dated at Chennai on this the ...¹⁵ day of August, 2021


Petitioner

**Chief Financial Controller/
Regulatory Cell
TANGEDCO
144, ANNA SALAI**

ANNEXURE - I

①

Calculation of Additional Surcharge based on data for the period October 2020 to March 2021				
S.No.	Description	Nomenclature	Value	Unit
1	Contracted Capacity	A	23526.11	MW
2	Maximum Availability	B	20174.96	MW
3	Minimum Availability	C	9622.39	MW
4	Average Availability	D	11620.80	MW
5	Maximum Scheduled	E	18433.44	MW
6	Minimum Scheduled	F	4989.16	MW
7	Average Scheduled	G	10293.24	MW
8	Capacity not availed (Max)	H	6813.24	MW
9	Capacity not availed (Min)	I	0.00	MW
10	Capacity not availed (Avg.)	J	2578.52	MW
11	OA Allowed (Max)	K	1636.84	MW
12	OA Allowed (Min)	L	138.41	MW
13	OA Allowed (Avg.)	M	588.20	MW
14	Capacity stranded due to OA	N	556.14	MW
15	Total Fixed Charge (PPA)	O	9036.21	Rs in Crore
16	Fixed charges per MW available	$P=O/D$	0.78	Rs in Crore
17	Fixed charges of stranded capacity	$Q=P*N$	432.45	Rs in Crore
18	Transmission Charges paid	R	2405.65	Rs in Crore
19	Energy Scheduled	S	44960.00	MU
20	Transmission Charges per kWh	$T=R/S*10$	0.54	Rs./kWh
21	Distribution Charges (As approved in Tariff Order)	U	0.21	Rs./kWh
22	Total T & D Charges per kWh	$V=T+U$	0.75	Rs./kWh
23	Energy Consumed by OA Consumer from Discoms	W	2821.17	MU
24	T & D charges payable to Discoms by OA consumers	$X= W*V/10$	210.34	Rs in Crore
25	Demand Charges Recovered by Discoms from OA	Y	423.08	Rs in Crore
26	Demand Charges to be adjusted	$Z=Y-X$	212.74	Rs in Crore
27	Net stranded charges recoverable	$AA=Q-Z$	219.71	Rs in Crore
28	OA scheduled energy	AB	2570.00	MU
29	Additional surcharge AC	$AC=AA/AB*10$	0.85	Rs./kWh

Annexure-II

Details of Energy Availed and Scheduled

S.No.	Description	Oct 2020 (MW)	Nov 2020 (MW)	Dec 2020 (MW)	Jan 2021 (MW)	Feb 2021 (MW)	Mar 2021 (MW)	Total
1	Energy Consumed by OA Consumer from Discoms	378.4778	383.7348	456.296	471.5405	476.7636	654.36	2821.17
2	Energy Scheduled (MU)	8411	7212	7433	7777	7840	8857.00	47530.00
3	OA Scheduled Energy	355	381	470	476	459	429	2570.00

Annexure-III

Average of 6 months' 15 mins block energy details

S.No.	Description	Total Availability from Conventional (in MW)	Total Schedule from Conventional (in MW)	Capacity Not availed from Conventional (in MW)	Total Availability from RE power (in MW)	Total Schedule from RE power (in MW)	Capacity not availed from RE power (in MW)	Total Capacity not availed (in MW)	OA Allowed i(in MW)	Min of backing down or OA allowed
1	Max in MW	13,971	12,229	6,813	6,204	6,204	-	6,813	1,637	1,215
2	Min in MW	9,622	4,989	-	-	-	-	-	138	-
3	Avg in MW	11,621	9,042	2,579	1,251	1,251	-	2,579	588	556
4	Mw/hr	50,759,663	39,496,683	11,262,980	5,464,177	5,464,177	-	-	2,569,277	-
5	MU	50,760	39,497	11,263	5,464	5,464	-	-	2,569	-