

भारत सरकार
केंद्रीय विद्युत प्राधिकरण
दक्षिण क्षेत्रीय विद्युत समिति
29, रेसकोर्स क्रॉस रोड
बेंगलूरु -560009



Government of India
Central Electricity Authority
Southern Regional Power Committee
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सं/No. SRPC/SE(C)/RTA&RTDA/2022/	दिनांक /Date	30 th August 2022

सेवार्मे / To

वितरण सूची के अनुसार
As per Distribution List

विषय: जुलाई 2022 महीने का क्षेत्रीय पारेषण लेखा

Subject: Regional Transmission Account & Regional Transmission Deviation Account for the billing month of September 2022 (Billing Period: July 2022)-reg.

महोदय /Sir,

CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 came into effect from 01.11.2020. As per the Regulation (14)(5)(b), Transmission charges payable by DICs shall be notified by the Implementing Agency by 25th day of the month following billing period. Accordingly, Implementing Agency (IA) vide letter dated 25.08.2022 has notified the Transmission Charges payable by DICs for the billing month of September 2022(**Annexure-I**).

Regional Transmission Account (RTA) and Regional Transmission Deviation Account (RTDA) for the billing period of February 2022 (billing month: April 2022) in respect of Southern Region has been prepared based on the data furnished by IA and as per CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 and the methodology for computation of Transmission Deviation for the cases (i) CGS/ISGS is connected to both ISTS & STU system and LTA for the state is exempted/not granted and (ii) CGS/ISGS is connected to only STU network and LTA to the state is exempted as agreed in the 51st Meeting of Commercial Sub-Committee held on 22.04.2022. The methodology of computation of Transmission Deviation is at **Annexure-II**. Transmission charges of the state are bifurcated on pro rata basis on the basis of LTA/MTOA of the DICs included in the state's control area. RTA/ RTDA are made available on SRPC website www.srpc.kar.nic.in.

Discrepancy, if any, may please be reported within 15 days from the date of issue of the accounts.

Yours faithfully,

संलग्नक:यथोपरि/ Encl: as above

(मेका रामकृष्ण/ MEKA RAMAKRISHNA
अधीक्षण अभियन्ता(वा)/Superintending Engineer (C)

भारत सरकार

GOVERNMENT OF INDIA

उर्जा मंत्रालय

MINISTRY OF POWER

केन्द्रीय विद्युत प्राधिकरण

CENTRAL ELECTRICITY AUTHORITY

दक्षिण क्षेत्रीय विद्युत समिति

SOUTHERN REGIONAL POWER COMMITTEE

क्षेत्रीय पारेषण लेखा

REGIONAL TRANSMISSION ACCOUNT

&

REGIONAL TRANSMISSION DEVIATION ACCOUNT

Billing Period: July 2022

Billing Month: September, 2022

1. Transmission Charges for Designated ISTS Customers (DICs) for the billing Period July, 2022

Billing Month: September, 2022

DIC	LTA / MToA (MW)	Usage based AC system charges (Rs.)	Balance AC system charges (Rs.)	National Component (Rs.) (NC-RE)	National Component (Rs.) (NC-HVDC)	Regional Component (Rs.)	Transformer Component (Rs.)	Total Transmission Charges (Rs.)
Andhra Pradesh	1725.768	23,31,05,105	31,46,66,348	3,31,31,296	3,87,98,685	2,91,37,206	3,55,08,519	68,43,47,158
Karnataka (BESCOM)	1,969.580	16,78,65,357	35,91,21,600	3,78,12,000	4,42,80,063	3,32,53,636	4,95,05,901	69,18,38,557
Karnataka (HESCOM)	833.568	7,10,44,154	15,19,87,823	1,60,02,835	1,87,40,255	1,40,73,639	2,09,51,940	29,28,00,646
Karnataka (GESCOM)	487.207	4,15,24,193	8,88,34,498	93,53,406	1,09,53,385	82,25,821	1,22,46,080	17,11,37,383
Karnataka (MESCOM)	257.136	2,19,15,414	4,68,84,590	49,36,490	57,80,918	43,41,379	64,63,170	9,03,21,961
Karnataka (CESCOM)	440.192	3,75,17,157	8,02,62,073	84,50,813	98,96,396	74,32,039	1,10,64,348	15,46,22,826
Kerala	2738.127	15,93,36,961	49,92,53,927	5,25,66,567	6,15,58,523	4,62,29,489	5,19,18,241	87,08,63,708
Tamil Nadu	8,384.564	38,16,38,330	1,52,87,92,058	16,09,66,885	18,85,01,635	14,15,61,783	9,45,15,191	2,49,59,75,882
Telangana	3894.692	20,34,09,536	71,01,35,141	7,47,70,301	8,75,60,394	6,57,56,488	3,55,65,151	1,17,71,97,010
Puducherry	533.085	1,33,79,884	9,71,99,607	1,02,34,170	1,19,84,812	90,00,406	1,28,54,861	15,46,53,739
PGCIL(SR)	3.976	4,62,286	7,24,960	76,331	89,388	67,129	88,648	15,08,743
PUGALUR HVDC(SR)	2.918	1,32,818	5,32,050	56,020	65,602	49,266	32,893	8,68,650
THRISSUR HVDC(SR)	1.109	64,535	2,02,208	21,291	24,932	18,724	21,028	3,52,718
Goa(SR)	93.078	57,102	1,69,71,304	17,86,913	20,92,579	15,71,494	0	2,24,79,392
Sembcorp Energy India Ltd Project-II (SGPL)	490.000	0	8,93,43,718	94,07,022	1,10,16,172	82,72,973	0	11,80,39,885
Sembcorp Energy India Ltd Project-I (TPCIL/SEIL)	55.000	47,83,283	1,00,28,376	10,55,890	12,36,509	9,28,599	0	1,80,32,658
South Western Railways	10.000	8,52,290	18,23,341	1,91,980	2,24,820	1,68,836	2,51,353	35,12,620
SAIL, Salem	13.650	6,21,304	24,88,861	2,62,053	3,06,879	2,30,461	1,53,870	40,63,428
Total(SR)								6,95,26,16,964

2. Details of Entity-wise Bilateral Billing

DIC	Name of the Assets	Bilateral Charges (Rs.)	Remarks
Karnataka DISCOMS	220 kV line bays at Madhugiri for termination of 220 kV D/C Madhugiri-Nittur line	8,40,822	As per Regulation 13(12) of Sharing Regulations 2020
Karnataka Power Transmission Corporation Limited (KPTCL)	04 No. 220 KV bays at 400/220kV Yelahanka Substation	27,10,419	As per Regulation 13(12) of Sharing Regulations 2020
Sembcorp Energy India Ltd Project-I (TPCIL/SEIL)	Thermal Powertech Corporation India Ltd Switchyard-Nellore PS 400kV D/c (quad)	1,13,512	As per Regulation 13(9) of Sharing Regulations 2020

DIC	Name of the Assets	Bilateral Charges (Rs.)	Remarks
BHAVINI	Asset 1. Kalpakkam PFBR-Sirucheri 230 kV D/C Line, Asset 2. Kalpakkam PFBR -Arani 230KV D/C Line, Asset3. 230 kV D/C Kalpakkam PFBR-Kanchipuram transmission line and 2 numbers of 230kV Bays at Kanchipuram Sub-station of TNEB	2,04,69,173	As per Regulation 13(3) of Sharing Regulations 2020
Betam	2X500MVA 400/230kV transformers along with associated bays and equipment at new 400/230kV (GIS) Tirunelveli Pooling Sub-station	4,83,770	As per Regulation 13(3) of Sharing Regulations 2020
Sembcorp Energy India Ltd Project-II	YTC of NCC Power projects Ltd. - Nellore PS 400kV D/c (quad)	70,07,360	As per Regulation 13(9) of Sharing Regulations 2020
AP Solar Power Corporation Pvt Ltd (APSPCL)	2 nos. 220 kV Line bays (Bay No 209 & 211) at NP Kunta substation	12,76,471	As per Regulation 13(3) of Sharing Regulations 2020
Total Bilateral Charges		3,29,01,527	

2.a. Transmission Charges to be paid by DICs under Regulation 13(7)

Where Long Term Access is granted to a generating station on existing margins and COD of the generating station or unit(s) thereof is delayed

Name of Genertaing Station	State	Capcity (MW)	LTA granted (MW)	Commissioned Capacity (MW)	Date of LTA Operation	Delayed Capacity (MW)	Transmission Charges (Rs.)
ReNew Power Pvt Limited	Karnataka	-	300	174.3	63 MW: 24.09.21, 10.5 MW: 11.10.21, 12.6 MW: 19.10.21, 14.7 MW: 26.10.21, 16.8 MW: 11.11.21, 10.5 MW: 23.11.21, 10.5 MW: 30.11.21, 35.7MW: 27.07.22		61,867

3 . Details of Regional Transmission Deviation Charges

Entity	Transmission Deviation Charges Payable (Rs)
Andhra Pradesh	3,35,01,020
Karnataka	0
Kerala	0
Tamil Nadu	80,981
Telangana	2,81,10,414
Puducherry	0
PGCIL(SR)	0
PUGALUR HVDC(SR)	5
THRISSUR HVDC(SR)	0
Goa(SR)	1,05,401
NTPC,RSTPS 1& 2	0
NTPC, RSTPS 3	14,99,643
NTPC, TALCHER 2	16,42,328
NTPC, SIMHADRI 2	44,124
NTPC, SIMHADRI 1	14,182
NTPC, KUDGI STAGE 1	55,140
NTECL, VALLUR	0
NLC TS II Stage 1	0
NLC TS II Stage 2	15,815
NLC Stage 1 EXPN	2,91,645
NLC Stage 2 EXPN	8,42,429
NTPL	404
NNTPP	19,87,825
NPCIL,KGS 1 & 2	4,58,525
NPCIL, KGS 3 & 4	1,43,41,478
NPCIL, MAPS	0
NPCIL, KKNPP UNIT 1	27,42,146
NPCIL, KKNPP UNIT 2	89,97,923
Seller	
LKPPL STAGE 2	2,82,368
LKPPL STAGE 3	0
MEPL	2,34,724
SEL	3,39,456
SEIL/ TPCIL	0
COASTAL ENERGEN	12,19,819
IL&FS	12,47,108
SEIL Project 2/SGPL	7,77,398

3 (a). Details of Deviation DIC Wise in MW

DIC	Rate Rs/MW	Excess Injection (MW)	Excess Withdrawal (MW)	Charges For Excess Injection/Withdrawal (Rs)
Beneficiaries				
Andhra Pradesh	144.57	0	231728.71	33501020
Karnataka	128.06	0	0	0
Kerala	115.96	0	0	0
Tamil Nadu	108.53	0	746.16	80981
Telangana	110.2	0	255085.43	28110414
Puducherry	105.77	0	0	0
PGCIL(SR)	-	0	0	0
PUGAUR HVDC(SR)	108.53	0	0.05	5
THRISSUR HVDC(SR)	115.96	0	0	0
Goa(SR)	88.05	0	1197.06	105401
Inter State Generating Stations				
RSTPS 1& 2	110.2	0	0	0
RSTPS 3	110.2	0	13608.38	1499643
TALCHER 2	144.57	11360.09	0	1642328
SIMHADRI 2	144.57	305.21	0	44124
SIMHADRI 1	144.57	98.1	0	14182
KUDGI STAGE 1	128.06	430.58	0	55140
NTECL	108.53	0	0	0
NLC TS II STAGE 1	108.53	0	0	0
NLC TS II STAGE 2	108.53	145.72	0	15815
NLC 1 EXPN	108.53	2687.23	0	291645
NLC 2 EXPN	108.53	0	7762.18	842429
NTPL	108.53	3.72	0	404
NNTP	108.53	18315.9	0	1987825
MAPS	108.53	0	0	0
KGS 1&2	128.06	3580.55	0	458525
KGS 3&4	128.06	111990.3	0	14341478
KKNPP UNIT 1	108.53	0	25266.25	2742146
KKNPP UNIT 2	108.53	82907.24	0	8997923
SELLER				
COASTAL ENERGEN	108.53	11.53	11227.93	1219819
MEPL	144.57	0	1623.6	234724
SEPL	144.57	0	2348.04	339456
SEIL/ TPCIL	144.57	0	0	0
LKPPL2	144.57	0	1953.16	282368

DIC	Rate Rs/MW	Excess Injection (MW)	Excess Withdrawal (MW)	Charges For Excess Injection/Withdrawal (Rs)
LKPPL3	144.57	0	0	0
IL&FS	108.53	0	11490.91	1247108
SEIL Project 2 /SGPL	144.57	0	5377.31	777398
Generating Station Under INFIRM Stage				
				Charges For Injection/Withdrawal (Rs)
Nil				

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(भारत सरकार का उपक्रम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)
राष्ट्रीय भार प्रेषण केन्द्र National Load Despatch Centre



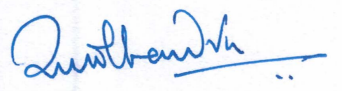
Notification of Transmission charges payable by DICs for Billing Month of September, 2022

No: TC/08/2022

Date: 25.08.2022

1. Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses), Regulations 2020 came into force with effect from 1.11.2020. National Load Despatch centre (NLDC) as the Implementing Agency under Sharing Regulations 2020 has been entrusted with the responsibility of computation of ISTS transmission charges and losses. As per Regulation (14)(5)(b), Transmission charges payable by DICs shall be notified by the Implementing Agency by 25th day of the month following billing period. The computation of transmission charges shall be done on the basis of inputs received from ISTS Licensees, DICs/ States, CTU as per the Regulations.
2. As per Regulation 24(1), all entities whose transmission elements have declared COD during the billing period shall submit to the Implementing Agency, network data, date(s) of commercial operation of the new transmission element and Yearly Transmission Charge (YTC) of such transmission element in the format stipulated by the Implementing Agency, on or before the end of the billing period.
3. As per Regulation 24(2), Implementing Agency shall publish the peak block of the billing period on the first day of the month following the billing period. Accordingly, NLDC had identified **79th time block (19:30 Hrs to 19:45 Hrs) on 07th July, 2022** as a peak block for the billing period of July'22 and published the information of peak block on POSOCO website. Details of the inputs from entities have been received as per the stipulated timelines is enclosed as **Annexure-I**.
4. NLDC/RLDCs have examined the data and information submitted by ISTS licensees/ Deemed ISTS licensees, DICs/ States and CTU. Based on the inputs furnished by ISTS licensees, Monthly Transmission Charges (MTC) to be considered in the computations have been shared with all ISTS licensees/ deemed ISTS licensees for review and comments on 16.08.2022 with last date of submission of comments as 18.08.2022.
5. Based on inputs furnished by DICs/ States, all India basic network has been prepared along with node wise generation and demand as per the peak block and made it available on POSOCO website on 15.08.2022 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.08.2022.
6. The methodology involved in the computation exercise along with the assumptions followed in the computations are enclosed at **Annexure-II**.
7. Accordingly, the transmission charges are hereby notified for the billing month of September'22 mentioned as follows:
 - a) Various components of the transmission charges determined have been added for each DIC in order to compute total transmission charges payable by the DIC.
 - b) The transmission charges are computed separately for both LTA/MTOA and STOA:
 - For LTA/MTOA billing in ₹: These charges are calculated only for withdrawal entities (withdrawal rates) and for generators having LTA to target region without identified beneficiaries.
 - For STOA billing in paise/kWh: These rates are calculated for all the states

- c) The notified transmission charges payable by DICs for the billing month of September'22 shall be used by RPCs for preparation of Regional Transmission Account (RTA) for the billing month of September'22 considering regional DIC wise break up of LTA/MTOA enclosed along with this notification.
- d) Transmission charges for STOA shall be payable by the generators and embedded entities located in the state as per the notified STOA rate of the state in which they are located.
- e) The notified transmission charges for STOA bilateral transactions shall be applicable for the applications received on or after 00:00 Hrs of the next day (D+1) following the date of this notification (D). In the case of STOA collective transactions, both DAM and RTM, the notified transmission charges shall be applicable from the delivery day D+2 following the date of this notification.
- f) The transmission charges payable by DICs for LTA/MTOA are given at **Annexure-III**.
- g) The transmission rates applicable for STOA transactions are given at **Annexure-IV**.
- h) Regional DIC wise break up of LTA/MTOA is given at **Annexure-V**.
- i) ISTS licensee wise break up of Monthly Transmission Charges (MTC) is given at **Annexure-VI**.
- j) Entity-wise details of bilateral billing are given separately at **Annexure-VII**.
- k) LTA details of exempted Renewable Energy (RE) based generation for the billing period of July'22 is given at **Annexure-VIII**.



(एस. सी. सक्सेना)

मुख्य महाप्रबंधक/ रा. भा. प्रे. के

Annexure-I**Input Data furnished by DICs/ ISTS Licensees/ CTU**

1. As per Regulation 24(1) of Sharing Regulations 2020, some of the ISTS Licensees have submitted YTC data by 31.07.2022. Madhya Pradesh Power Transmission Co. Ltd., Adani Transmission Limited and Torrent Power Grid Ltd. have submitted YTC on 01.08.2022. PowerGrid has submitted its YTC and YTC of its SPV's on 04.08.2022. Sterlite Power has submitted YTC of its SPV's on 04.08.2022. Darbhanga-Motihari Transmission Co. Ltd. and NRSS XXXI (B) Transmission Ltd. have submitted YTC on 08.08.2022. Further, PowerGrid submitted revised YTC on 10.08.22. Power Transmission Corporation Of Uttarakhand Ltd. has submitted YTC on 17.08.2022. The list of ISTS licensees that have submitted YTC data is mentioned as below.

List of ISTS Licensees submitted the YTC data for the billing period July'22

Sl. No.	Name of ISTS Licensee
1	Powergrid Corporation Of India Ltd
2	Adani Transmission (India) Limited
3	Chhattisgarh-WR Transmission Limited.
4	Raipur Rajnandgaon-WR Transmission Limited.
5	Sipat Transmission Limited.
6	Western Transmission Gujarat Limited
7	Western Transco Power Limited
8	Alipurduar Transmission Limited
9	Fatehgarh-Bhadla Transmission Ltd.
10	North Karanpura Transco Limited
11	Bikaner-Khetri Transmission Limited
12	Jam Khambaliya Transco Limited
13	Jindal Power Limited
14	Kudgi Transmission Limited
15	Parbati Koldam Transmission Company Limited
16	Bhopal Dhule Transmission Company Ltd.
17	East North Interconnection Company Limited
18	Gurgaon Palwal Transmission Limited
19	Jabalpur Transmission Company Limited

Sl. No.	Name of ISTS Licensee
20	Maheshwaram Transmission Limited
21	Khargone Transmission Company Ltd.
22	Goa Tamnar Transmission Projects Limited
23	MUMBAI URJA MARG LIMITED
24	NRSS-XXIX Transmission Limited
25	Odisha Generation Phase-II Transmission Limited
26	Patran Transmission Company Limited
27	Purulia & Kharagpur Transmission Company Limited
28	Rapp Transmission Company Limited
29	NER-II Transmission Limited
30	Teestavalley Power Transmission Limited
31	Torrent Power Grid Limited
32	Darbhanga-Motihari Transmission Company Limited
33	NRSS XXXI (B) Transmission Limited
34	Kohima Mariani Transmission Limited
35	Raichur Sholapur Transmission Company Private Limited
36	Damodar Valley Corporation
37	Powerlinks Transmission Limited
38	Warora-Kurnool Transmission Limited
39	Powergrid Vizag Transmission Limited
40	Powergrid NM Transmission Limited
41	Powergrid Unchahar Transmission Limited
42	Powergrid Parli Transmission Limited
43	Powergrid Kala Amb Transmission Limited
44	Powergrid Southern Interconnector Transmission System Limited
45	Powergrid Jabalpur Transmission Limited
46	Powergrid Warora Transmission Limited
47	Powergrid Medinipur Jeerat Transmission Limited
48	Powergrid Mithilanchal Transmission Limited

Sl. No.	Name of ISTS Licensee
49	Powergrid Ajmer Phagi Transmission Limited
50	Powergrid Varanasi Transmissoin System Limited
51	Powergrid Fatehgarh Transmission Limited
52	Powergrid Khetri Transmission System Ltd.
53	North East Transmission Company Limited
54	Transmission Corporation Of Andhra Pradesh (APTRANSCO)
55	Madhya Pradesh Power Transmision Co. Ltd.
56	Power Transmission Corporation Of Uttarakhand Ltd
57	Haryana Vidyut Prasaran Nigam Limited

2. As per Sharing Regulations 2020 and NLDC notified Procedure for collection of data and information, CTU shall submit all required data and information as stipulated in Formats II(A) to II(G) within 7 days after the end of the billing period i.e by 07.08.2022. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 05.08.2022. CTU has submitted data in formats II(C), II(D), II-(G2) to II-(G5) on 05.08.2022 and submitted data in formats II(A), II(B), II(E), II(F) & II-(G1) on 10.08.2022. Furthermore, CTU submitted revised format II(D) and II-G(3) on 22.08.2022.

3. As per Regulation 24(4) and NLDC notified Procedure for collection of data and information, DICs shall submit the required information to the Implementing Agency as stipulated in Formats III and IV for the billing period within 7 days after end of the billing period. The list of the DICs that have submitted the data by 07.08.2022 is as mentioned below:

S.NO.	WR	SR	NR	NER	ER	Others
1	Chattisgarh	Andhra Pradesh	Uttar Pradesh	Assam	Odisha	
2	Gujarat	Telangana	Haryana	Manipur		
3	MP	Karnataka	Himachal Pradesh	Meghalaya		
4	Maharashtra	Kerala	Delhi	Mizoram		
5	Goa	Tamil Nadu	Rajasthan	Nagaland		
6	D&D	Vallur(NTECL)	Punjab	Tripura		
7	DNH	IL&FS	BBMB	Palatana GBPP (OTPC)		

8	Hazira	Sprng Agnitra	ReNew Solar Power Private Limited			
9	ACBIL	Galiveedu (Karnal P1, Hisar P3 & Bhiwadi P6)				
10	Spectrum Power	Fortum Solar India Private Limited. (Pavagada Solar Park)				
11	Maruti Coal Power	PVG Renew-TN2				
12	BALCO	PVG ADYAH				
13	CGPL	PVG AMPLUS Tumkur and PVG AMPLUS Pavagada				
14	DB Power Ltd.	PVG Azure Earth				
15	DGEN	Fortum Finnsurya Energy Private Ltd. (Pavagada Solar Park)				
16	Dhariwal	Yarrow Infra Structure Private Ltd. (Pavagada Solar Park)				
17	GMR Warora	PVG Parampujya				
18	Raipur Energen					
19	Jindal Stg-1					
20	JPL Stg-2					
21	Jhabua Power					
22	JP Nigrie					
23	KAPS 1&2					
24	Raigarh Energy					
25	KSK Mahanadi					
26	LANCO					
27	MB Power					
28	Essar Mahan					
29	NSPCL Bhilai					

30	Ratnagiri Dabhol					
31	RKM Power					
32	Sasan UMPP					
33	SKS Power					
34	SSP					
35	TAPS (3,4)					
36	TRN Energy					
37	TAPS (1,2)					
38	Naranpar Ostro					
39	ACME RUMS					
40	Mahindra Renewables Pvt. Ltd.					
41	ARINSUM					
42	Bhuvad Renew					
43	Vadwa Green Infra					
44	Roha Green infra					
45	Dayapar Inox					
46	Ratadiya AGEMPL					
47	Alfanar wind					
48	Renew AP2 Gadhsisa					
49	Avikiran					
50	Powerica					

Annexure-II**Methodology of the computations and assumptions followed in the basic network****a) Modeling of the Basic Network**

- A. The All India network was modeled with the help of network data and node wise generation and demand data furnished by DICs. Wherever network data has not been provided by DICs, network data already available at RLDCs/NLDC has been considered. Wherever technical parameters were not furnished, standard parameters as per CEA Manual on Transmission Planning Criteria have been used.
- B. Certain Transmission Lines included in the basic network were partly owned by ISTS Licensee and partly by STUs. There were cases where the existing lines originally owned by one utility have been made LILO by other utility. In cases where the line originally owned by ISTS Licensee has been made LILO by STU, the Monthly Transmission Charge for the entire line has been considered (including the section owned by STU). In cases where the line originally owned by STU has been made LILO by ISTS Licensee, the Monthly Transmission Charge for the entire line has not been considered.
- C. All India basic network up to 66/ 33 kV level and at some nodes even till 0.4 kV level has been prepared. As per the Sharing Regulations 2020, basic network means power system at voltage levels of 110 kV and above, containing all power system elements including generating station and transmission systems.
- D. In line with Sharing Regulations 2020, all India basic network has been truncated to 110 kV level. Power flow into lower voltage system has been considered as load at the substation at truncated point. Power flow from a lower voltage system has been considered as generation at the substation at truncated point.
- E. To account for the transmission losses of the truncated lower voltage network and to ensure state drawal as per SEM data corresponding to peak block, minor adjustments in states generation has been done.
- F. Interstate generating Stations (ISGS) connected at 220kV and below voltage level are created as separate control areas.
- G. Power flows on HVDC Bhadravati and HVDC Raigarh-Pugalur have been adjusted to avoid loop flows in the network.
- H. 400 kV Singrauli considered as slack bus.

b) Load Generation balance for the basic network

- A. Node wise generation and demand data for the peak block as submitted by DICs has been considered to prepare Load Generation balance.
- B. Wherever aggregate generation and demand data submitted by DICs, the generation and demand data has been distributed across the nodes of the DICs as per the node wise distribution of the TTC/ATC base case applicable for July'22.
- C. Wherever node wise generation and demand data has not been provided by DICs, SEM data/ SCADA data available with NLDC/RLDCs has been considered. In the absence of SEM/ SCADA data, the node wise generation and demand data as available from TTC/ ATC base case / recently submitted base case of states has been considered.

c) Commercial Data considered in the computations

- A. The data as submitted by the ISTS Licensees has been examined by NLDC and suitably considered for computation of transmission charges for DICs for the billing period July'22. For the ISTS licensees who have not submitted YTC data for July'22, the YTC data recently available with reference to the previous computations have been considered.

- B. While checking the YTC of the licensees who have not submitted data, the recently available CERC orders are referred to consider the recently available approved YTC for FY 2018-19 in case for 2019-20 or 2020-21 is not available.
- C. All ISTS transmission assets commissioned by the end of July'22 as furnished by ISTS licensees have been considered in the computations.
- D. Yearly Transmission Charges (YTC) based on approved/ adopted tariff by CERC has only been considered in line with Sharing Regulations 2020. RPC certified non-ISTS lines as ISTS lines have not been considered in the computations.
- E. The assets of State Utilities whose approved Tariff by the Commission is not available as on 31.03.2019 are not being considered in the computations since 2019-20 Q3 in line with Terms & Conditions of Tariff Regulations. The same is continued in this computation.
- F. As per minutes of Validation Committee meeting held for 2020-21 Q2 PoC computations, for the assets of Essar Power transmission limited, combined tariff of LILO of 400kV Vindhyachal-Korba at Mahan, GIS S/s at Hazira and 400kV Hazira-Gandhar line) was being excluded from PoC computations in the absence of exclusive tariff of LILO of 400kV Vindhyachal-Korba at Mahan since 2020-21 Q2. As per CERC Order dated 04.06.2021 in I.A. No. 32/2021 in Petition No. 92/MP/2021, Exclusive tariff of 400kV Hazira-Gandhar Line and GIS S/s at Hazira has been approved and same has been considered for billing period July'22.
- G. As per Regulation (13) clauses (3), (6), (9), the YTC of assets claimed by licensees have been examined to find out whether the YTC to be completely or partly billed to generators. Accordingly, transmission charges have been computed for DICs in line with the Regulations.
- H. All ISTS assets corresponding to the bilateral payments on the basis of information furnished by ISTS licensees and the worked out bilateral payments in line with Regulation (13) have been considered while preparing final transmission charges for DICs.
- I. The components of Yearly Transmission Charges such as National Component for RE (NC-RE), National Component for HVDC (NC-HVDC), Regional Component (RC) and Transformers Component (TC) have been worked out on the basis of the inputs furnished by CTU.
- J. Indicative cost level of different conductor configuration was provided by CTU and is as follows:

Sl. No.	Voltage level (kV)	Type of conductor configuration	Indicative cost (Rs.Lakh/km)
1	± 800	HVDC	348
2	± 500	HVDC	170
3	765	D/C	484
4	765	S/C	221
5	400	S/C	93
6	400	M/C TWIN	432
7	400	D/C Quad Moose	282
8	400	D/C Twin HTLS	199
9	400	D/C Twin Moose	163

10	400	M/C QUAD	813
11	400	D/C TRIPLE	229
12	400	S/C QUAD	155
13	220	D/C	68
14	220	S/C	52
15	220	M/C TWIN	311
16	132	D/C	45
17	132	S/C	26
18	132	M/C TWIN	215

- K. The indicative cost levels provided by CTU are for only selected configurations and voltage level. Hence, for the conductor configurations which are not mentioned in the above list, following assumptions have been made:
- The indicative cost level of 765 kV lines (Quad Bersimis) charged at 400 kV has been considered to be same as cost of one circuit of 400 kV Quad Moose D/C.
 - The indicative cost level of 400 kV Quad Bersimis D/C has been considered to be same as 400 kV Quad Moose D/C.
 - The indicative cost level of 765 kV Hexa zebra has been considered to be same as 765 kV Quad Bersimis.
 - The indicative cost levels of 400 kV ACKC, ACAR, AAAC, Moose, Zebra and Lapwing have been considered to be same as 400 kV Twin Moose depending on the no. of circuits.
 - 400 kV lines (Twin Moose) charged at 220 kV are charged as per the rate of 220 kV D/C lines.
- L. Circuit Kms of RE lines considered as National component has been considered as zero.
- M. Circuit Kms of the assets covered under Regulation (13) clauses (3), (6), (9), have been pro-rata adjusted with respect to YTC considered for bilateral payment wherever YTC are to be partly included in the computations.

d) Computation of Usage part of AC system charges

- The usage part of AC system charges has been computed by running AC load flow and determining the utilization of the lines with respect to SIL of the lines. For SIL of lines at various voltage levels, annexure-II to Regulations has been followed.
- AC Usage Base Charges (AC-UBC) thus determined has been used for apportionment through hybrid method and computed total aggregated nodal charges in ₹ for each drawee DIC and injecting DICs having untied LTA.

Transmission Charges for Designated ISTS Customers (DICs) for the billing month of September,2022

S.No.	Zone	Region	LTA Demand / Injection (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
1	Delhi	NR	4170	398406587	760363074	80058812	93753550	210925858	55540734		1599048614
2	UP	NR	9585	1225226725	1747619762	184007307	215483316	484792344	141347497	3671419	4002148371
3	Punjab	NR	5434	475867008	990815206	104323173	122168535	274853625	104809966	935605	2073773118
4	Haryana	NR	4302	616450720	784410404	82590761	96718610	217596623	185718510		1983485628
5	Chandigarh	NR	352	12666247	64225955	6762366	7919126	17816376	3122402		112512473
6	Rajasthan	NR	4178	450871598	761811207	80211286	93932106	211327572	92988935	2148852	1693291557
7	HP	NR	1683	22324498	306907201	32314333	37841974	85136518	24781306	51489065	560794897
8	J&K	NR	2305	49469161	420299548	44253441	51823367	116591725	55404477		737841720
9	Uttarakhand	NR	1361	162063177	248188458	26131823	30601892	68847851	30233785	2624468	568691454
10	GMR Kamalanga	NR	75	3198408	13675059	1439850	1686149	3793482			23792948
11	WBSEDCL_Inj	NR	600	0	109400471	11518802	13489191	30347855			164756318
12	MB Power	NR	175	33341912	31908471	3359651	3934347	8851458			81395838
13	Jorthang	NR	86.4	10318859	15753668	1658707	1942443	4370091			34043769
14	Tashiding	NR	87.3	10894157	15917768	1675986	1962677	4415613			34866202
15	Northern Railways	NR							2523524		2523524
16	North Central Railways	NR							2082900		2082900
17	RAPP 7&8, NPCIL	NR								33406195	33406195
18	Adani Renewable Energy Park Rajasthan Limited	NR								3235548	3235548
19	ACME Solar Holdings Pvt. Ltd	NR								1954752	1954752
20	Essel Saurya Urja Company of Rajasthan Limited (ESUCRL)	NR								4564996	4564996
21	Gujarat	WR	9242	530001460	1685071307	177421565	207771027	124958978	54007837	12549133	2791781306
22	Madhya Pradesh	WR	7757	517662447	1414412579	148923843	174398527	104887876	123282484	1235668	2484803424
23	Maharashtra	WR	7131	748257283	1300271114	136905860	160324767	96423545	79916858		2522099427
24	Chhattisgarh	WR	2890	85654308	526917057	55479224	64969416	39074321	23030847		795125173

S.No.	Zone	Region	LTA Demand / Injection (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
25	Goa	WR	513	53056435	93608031	9856012	11541967	6941643	10592365	1254778	186851232
26	DNHDDPDCL	WR	1481	122071153	270002261	28428603	33291557	20022421	27166061		500982055
27	Jindal Power Limited	WR	125	67289189	22791765	2399750	2810248	1690157			96981109
28	ACB Ltd	WR	50	4676525	9104942	958662	1122649	675191			16537968
29	Torrent Power	WR	200	352446	36466824	3839601	4496397	2704252			47859519
30	Sembcorp Energy India Ltd Project-I	WR	115	10001409	20968424	2207770	2585428	1554945			37317976
31	DB Power	WR	186	21397973	33914146	3570829	4181649	2514954			65579551
32	TRN Energy Pvt. Ltd.	WR	3	231036	547002	57594	67446	40564			943642
33	CSPTCL	WR	261	0	47589205	5010679	5867798	3529049			61996730
34	WBSEDCL_Inj	WR	400	0	72933647	7679201	8992794	5408503			95014146
35	GMR Warora Energy Ltd, Maharashtra	WR	45	1796137	8130278	856039	1002472	602913			12387839
36	MB Power	WR								8993256	8993256
37	Adani Power Limited	WR								285612071	285612071
38	Essar Steel	WR							8805858		8805858
39	Powerica Ltd.	WR								18913550	18913550
40	For Mahan Energen Limited (formerly Essar Power M.P. Ltd)	WR								62607665	62607665
41	Andhra Pradesh	SR	1728	233439546	315117807	33178830	38854350	29179010	35559464		685329007
42	Telangana	SR	3895	203409536	710135141	74770301	87560394	65756488	35565151		1177197010
43	Tamil Nadu	SR	8401	382392452	1531812969	161284958	188874116	141841510	94701954		2500907960
44	Kerala	SR	2739	159401496	499456135	52587857	61583456	46248213	51939269		871216426
45	Karnataka	SR	3999	340846409	729187427	76776321	89909560	67520675	100520494	3551241	1408312128
46	Pondicherry	SR	533	13379884	97199607	10234170	11984812	9000406	12854861		154653739
47	Goa-SR	SR	93	57102	16971304	1786913	2092579	1571494			22479392

S.No.	Zone	Region	LTA Demand / Injection (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
48	Sembcorp Energy India Ltd Project-I	SR	55	4783283	10028376	1055890	1236509	928599		113512	18146170
49	Sembcorp Energy India Ltd Project-II	SR	490	0	89343718	9407022	11016172	8272973		7007360	125047246
50	BHAVINI	SR								20469173	20469173
51	Betam	SR								483770	483770
52	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								1276471	1276471
53	West Bengal	ER	2409	228993841	439292889	46253255	54165265	65466787	48332935		882504972
54	Odisha	ER	1766	99689541	321964739	33899745	39698584	47981648	71026853		614261109
55	Bihar	ER	6003	280433149	1094489672	115239082	134951703	163109223	175049604		1963272434
56	Jharkhand	ER	708	41972875	129153302	13598582	15924735	19247413	51065945	9869089	280831942
57	Sikkim	ER	97	941468	17661096	1859541	2177631	2631992	2688795		27960523
58	DVC	ER	640	43230026	116778466	12295633	14398905	17403220	9385005		213491255
59	Bangladesh	ER	782	7492771	142664456	15021175	17590674	21260948			204030024
60	Arunachal Pradesh	NER	288	3250222	52468488	5524420	6469419	8993762	13959727		90666038
61	Assam	NER	1628	109770919	296882367	31258816	36605901	50889387	23036572	1016063	549460026
62	Manipur	NER	210	9905524	38314165	4034108	4724176	6567532	3999964		67545468
63	Meghalaya	NER	264	4414480	48167779	5071597	5939137	8256566	392447		72242006
64	Mizoram	NER	137	6587267	24967104	2628792	3078470	4279677	1532249		43073558
65	Nagaland	NER	194	8294161	35418677	3729241	4367159	6071209	24170597		82051045
66	Tripura	NER	302	5839840	55121652	5803772	6796556	9448547	23697326		106707694
TOTAL			102156.54	7822072651	18626622170	1961201553	2296681690	2952623580	1804835557	538983702	36003020904

Transmission Charges to be paid by DICs under Regulation 13(7)

Where Long Term Access is granted to a generating station on existing margins and COD of the generating station or unit(s) thereof is delayed

Sl.No.	Name of Generating Station	State	Capacity	LTA granted	Commissioned capacity	Date of Commercial Operation	Date of LTA Operationalization	Delayed Capacity	Transmission Charges (₹)	Remarks
1	ReNew Power Pvt Limited	Karnataka		300	174.3	63 MW: 25.09.21 10.5MW: 12.10.21 10.5MW: 20.10.21 16.8MW: 27.10.21 14.7MW: 13.11.21 10.5MW: 01.12.21 10.5MW: 18.12.21 37.8MW: 27.07.22	63 MW: 24.09.21 10.5 MW: 11.10.21 12.6 MW: 19.10.21 14.7 MW: 26.10.21 16.8 MW: 11.11.21 10.5 MW: 23.11.21 10.5 MW: 30.11.21 35.7MW: 27.07.22		61867	Charges computed for 26 days corresponding to 2.1 MW
2	Ostro Kutch Wind Private Ltd	Gujarat		300	46.2	11 MW: 13.11.2021; 11MW: 04.12.2021, 13.2MW: 30.03.2022 11MW: 10.05.2022	50MW: 14.04.19	3.8	114277	
3	ReNew Power Limited	Gujarat		300	230.1	126MW:18.05.19 58.5MW: 01.10.19 27.6MW: 02.09.20 18MW: 07.02.2021	300MW: 01.05.19	69.9	2102092	
4	ReNew Power Limited	Gujarat		50	0	Yet to be commissioned	50MW: 23.11.19	50	1503642	
5	Masaya Solar Energy Private Ltd	Madhya Pradesh		300			300 MW: 25.03.2022	300	9604817	
6	NTPC LTD. (Auraiya Floating Solar)	Uttar Pradesh		20			20 MW: 11.04.2022	20	834345	
7	NTPC Kawas (Solar)	Gujarat		39.50	24.69	14.11MW: 14.05.22 10.58MW: 15.06.2022	14.11MW: 27.05.2022 10.58MW: 31.05.2022 14.81MW: 24.06.2022	14.81	445379	
8	NTPC Kawas (Solar)	Gujarat		16.50	10.31	5.89MW: 14.05.22 4.42MW:15.06.2022	5.89MW: 27.05.2022 4.42MW: 31.05.2022 6.19MW: 24.06.2022	6.19	186151	
9	NTPC Gandhar (Solar)	Gujarat		14.11		-	14.11MW: 09.05.2022	14.11	424328	
10	NTPC Gandhar (Solar)	Gujarat		5.89		-	5.89MW: 09.05.2022	5.89	177129	

Transmission Charges for Short Term Open Access (STOA)

S.No.	State	Region	STOA rate (paise/kWh)
1	Delhi	NR	53.26
2	UP	NR	57.94
3	Punjab	NR	52.98
4	Haryana	NR	64.04
5	Chandigarh	NR	44.36
6	Rajasthan	NR	56.22
7	HP	NR	42.02
8	J&K	NR	44.46
9	Uttarakhand	NR	57.76
10	Gujarat	WR	41.77
11	Madhya Pradesh	WR	44.47
12	Maharashtra	WR	49.12
13	Chhattisgarh	WR	38.21
14	Goa	WR	50.21
15	Daman and Diu and Dadra and Nagar Haveli	WR	46.99
16	Andhra Pradesh	SR	55.08
17	Telangana	SR	41.98
18	Tamil Nadu	SR	41.35
19	Kerala	SR	44.17
20	Karnataka	SR	48.79
21	Pondicherry	SR	40.29
22	Goa-SR	SR	33.54
23	West Bengal	ER	50.87
24	Odisha	ER	48.31
25	Bihar	ER	45.43
26	Jharkhand	ER	53.13
27	Sikkim	ER	40.09
28	DVC	ER	46.30
29	Bangladesh	ER	36.22
30	Arunachal Pradesh	NER	43.76
31	Assam	NER	46.78
32	Manipur	NER	44.64
33	Meghalaya	NER	37.98
34	Mizoram	NER	43.69
35	Nagaland	NER	58.67
36	Tripura	NER	49.02

Regional DIC wise break up of LTA/MTOA considered in the computations

Sl.No.	Name of the DIC	Region	LTA/MTOA considered in the computations	Name of the state control area in which LTA/MTOA of specific DICs is included in the computations*
1	UP	NR	9153.03	
2	Delhi	NR	4155.16	
3	Haryana	NR	4243.75	
4	Uttarakhand	NR	1361.17	
5	Punjab	NR	5399.06	
6	Rajasthan	NR	4167.15	
7	Himachal Pradesh	NR	1683.21	
8	Jammu & Kashmir	NR	2305.11	
9	Chandigarh	NR	352.24	
10	Noida Power Company Ltd, UP	NR	170.00	Uttar Pradesh
11	Railways_UP	NR	256.88	Uttar Pradesh
12	Railways_Haryana	NR	55.00	Haryana
13	Railways_Delhi	NR	15.00	Delhi
14	Railways_Rajasthan	NR	10.00	Rajasthan
15	Railways_Punjab	NR	35.00	Punjab
16	PG-Rihand	NR	0.74	Uttar Pradesh
17	PG-Dadri	NR	0.76	Uttar Pradesh
18	PG-Agra	NR	2.36	Uttar Pradesh
19	PG-Balia	NR	0.95	Uttar Pradesh
20	PG-Bhiwadi	NR	0.95	Rajasthan
21	PG-Kurukshetra	NR	3.30	Haryana
22	MB Power	NR	175.00	
23	WBSEDCL	NR	600.00	
24	GMR Kamalanga Energy Pvt. Ltd	NR	75.00	
25	Jorthang	NR	86.40	
26	Tashiding	NR	87.30	
27	Gujarat	WR	9228.79	
28	Madhya Pradesh	WR	7547.57	
29	Chhattisgarh	WR	2884.78	
30	Maharashtra	WR	6999.07	
31	GOA	WR	513.39	
32	D&D and DNH	WR	1480.81	
33	HVDC Bhadrawathi	WR	0.91	Maharashtra
34	HVDC Vindhyachal	WR	0.69	Madhya Pradesh
35	BARC Facility	WR	9.10	Maharashtra
36	Heavy Water Plant of DAE	WR	12.88	Gujarat
37	HVDC Champa	WR	3.19	Chhattisgarh
38	HVDC Raigarh	WR	1.88	Chhattisgarh
39	Railways_MP	WR	209.00	Madhya Pradesh
40	Railways_Maharashtra	WR	122.18	Maharashtra
41	ACB Ltd.	WR	49.94	
42	JINDAL	WR	125.00	
43	Torrent Power	WR	200.00	

Sl.No.	Name of the DIC	Region	LTA/MTOA considered in the computations	Name of the state control area in which LTA/MTOA of specific DICs is included in the computations*
44	DB Power	WR	186.00	
45	GMR Warora Energy Ltd, Maharashtra	WR	44.59	
46	CSPTCL	WR	261.00	
47	TRN Energy Pvt. Ltd.	WR	3.00	
48	Sembcorp Energy India Ltd	WR	115.00	
49	WBSEDCL	WR	400.00	
50	BIHAR	ER	5901.75	
51	JHARKHAND	ER	708.33	
52	DVC	ER	330.46	
53	ORISSA	ER	1765.80	
54	WEST BENGAL	ER	2407.87	
55	SIKKIM	ER	96.86	
56	Bangladesh	ER	782.43	
57	TATA Steel Ltd.	ER	200.00	DVC
58	Railways_Bihar	ER	100.00	Bihar
59	Railways_DVC	ER	110.00	DVC
60	HVDC Alipurduar	ER	1.41	West Bengal
61	POWERGRID PUSAULI	ER	0.91	Bihar
62	Andhra Pradesh	SR	1725.77	
63	Karnataka	SR	3987.68	
64	KSEB	SR	2738.13	
65	Tamil Nadu	SR	8384.56	
66	Telangana	SR	3894.69	
67	Puducherry	SR	533.09	
68	Goa	SR	93.08	
69	SAIL, Salem	SR	13.65	Tamil Nadu
70	Railways_Karnataka	SR	10.00	Karnataka
71	PG-HVDCGazuwaka	SR	0.98	Andhra Pradesh
72	PG-HVDCTalcher	SR	1.50	Andhra Pradesh
73	PG-HVDCKolar	SR	1.50	Karnataka
74	PG-HVDC Pugalur	SR	2.92	Tamil Nadu
75	PG-HVDC Thrissur	SR	1.11	Kerala
76	Sembcorp Energy India Ltd Project-I	SR	55.00	
77	Sembcorp Energy India Ltd Project-II	SR	490.00	
78	Arunachal Pradesh	NER	287.76	
79	Assam	NER	1621.87	
80	Manipur	NER	210.13	
81	Meghalaya	NER	264.17	
82	Mizoram	NER	136.93	
83	Nagaland	NER	194.25	
84	Tripura	NER	302.31	
85	PG-HVDC BNC	NER	1.37	Assam
86	Railway_Assam	NER	5.00	Assam
TOTAL			102156.538	

**Note: Transmission charges of the state are to be shared on prorata basis on the basis of LTA/MTOA of the DICs included in the state's control area as mentioned in the table*

Annexure-VI**Transmission Charges claimed by ISTS licensees for the billing period July'22**

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for July'22 (₹ Cr)	Equivalent MTC to be considered for July'22 (₹ Cr)	Remarks
1	Powergrid Corporation Of India Ltd	33197.46	33197.46	2819.51	As per data furnished by ISTS Licensee for July'22. MTC of the assets listed under Regulation 13(3) shall be partly settled through the bilateral payments from respective entities as detailed in the transmission charges bill. PowerGrid assets for bilateral payments as mentioned in format I-C are also included in this total YTC claimed.
2	Adani Transmission (India) Limited	618.87	618.87	52.56	As per data furnished by ISTS Licensee for July'22
3	Chhattisgarh-WR Transmission Limited.	165.00	165.00	14.01	As per data furnished by ISTS Licensee for July'22
4	Raipur Rajnandgaon-WR Transmission Limited.	219.74	219.74	18.66	As per data furnished by ISTS Licensee for July'22
5	Sipat Transmission Limited.	94.92	94.92	8.06	As per data furnished by ISTS Licensee for July'22
6	Western Transmission Gujarat Limited	53.00	53.00	4.50	As per data furnished by ISTS Licensee for July'22
7	Western Transco Power Limited	97.41	97.41	8.27	As per data furnished by ISTS Licensee for July'22
8	Alipurduar Transmission Limited	153.02	153.02	13.00	As per data furnished by ISTS Licensee for July'22
9	Fatehgarh-Bhadla Transmission Ltd.	48.09	48.09	4.08	As per data furnished by ISTS Licensee for July'22
10	North Karanpura Transco Limited	23.64	23.64	2.01	As per data furnished by ISTS Licensee for July'22
11	Bikaner-Khetri Transmission Limited	128.95	128.95	10.95	As per data furnished by ISTS Licensee for July'22
12	Jam Khambaliya Transco Limited	40.36	40.36	3.43	As per data furnished by ISTS Licensee for July'22
13	Aravali Power Company Private Limited	10.42	10.42	0.88	Data not furnished for July'22. Considered the same as in the earlier billing period.
14	Essar Power Transmission Company Limited	405.68	405.68	34.45	Data not furnished for July'22. Considered the same as in the earlier billing period.
15	Jindal Power Limited	19.12	19.12	1.62	As per data furnished by ISTS Licensee for July'22
16	Kudgi Transmission Limited	196.29	196.29	16.67	As per data furnished by ISTS Licensee for July'22
17	Parbati Koldam Transmission Company Limited	171.37	171.37	14.55	As per data furnished by ISTS Licensee for July'22
18	Bhopal Dhule Transmission Company Ltd.	260.51	260.51	22.13	As per data furnished by ISTS Licensee for July'22
19	East North Interconnection Company Limited	144.63	144.63	12.28	As per data furnished by ISTS Licensee for July'22
20	Gurgaon Palwal Transmission Limited	140.93	140.93	11.97	As per data furnished by ISTS Licensee for July'22
21	Jabalpur Transmission Company Limited	146.99	146.99	12.48	As per data furnished by ISTS Licensee for July'22
22	Maheshwaram Transmission Limited	55.99	55.99	4.76	As per data furnished by ISTS Licensee for July'22
23	Khargone Transmission Company Ltd.	182.13	182.13	15.47	As per data furnished by ISTS Licensee for July'22
24	Goa Tamnar Transmission Projects Limited	42.64	42.64	3.62	As per data furnished by ISTS Licensee for July'22
25	MUMBAI URJA MARG LIMITED	29.08	29.08	2.31	Asset Commissioned on 03.07.2022. So, MTC is considered for 29 days.
26	NRSS-XXIX Transmission Limited	501.95	501.95	42.63	As per data furnished by ISTS Licensee for July'22
27	Odisha Generation Phase-II Transmission Limited	154.24	154.24	13.10	As per data furnished by ISTS Licensee for July'22
28	Patran Transmission Company Limited	30.73	30.73	2.61	As per data furnished by ISTS Licensee for July'22
29	Purulia & Kharagpur Transmission Company Limited	72.43	72.43	6.15	As per data furnished by ISTS Licensee for July'22
30	Rapp Transmission Company Limited	44.03	44.03	3.74	As per data furnished by ISTS Licensee for July'22
31	NER-II Transmission Limited	412.53	412.53	35.04	As per data furnished by ISTS Licensee for July'22
32	Teestavalley Power Transmission Limited	257.15	257.15	21.84	As per data furnished by ISTS Licensee for July'22
33	Torrent Power Grid Limited	39.40	39.40	3.35	As per data furnished by ISTS Licensee for July'22
34	Darbhanga-Motihari Transmission Company Limited	134.73	134.73	11.44	As per data furnished by ISTS Licensee for July'22
35	NRSS XXXI (B) Transmission Limited	98.09	98.09	8.33	As per data furnished by ISTS Licensee for July'22
36	Jaypee Powergrid Limited	138.41	138.41	11.76	Data not furnished for July'22. Considered the same as in the earlier billing period.
37	Kohima Mariani Transmission Limited	237.50	237.50	20.17	As per data furnished by ISTS Licensee for July'22
38	Raichur Sholapur Transmission Company Private Limited	35.20	35.20	2.99	As per data furnished by ISTS Licensee for July'22
39	Damodar Valley Corporation	109.09	109.09	9.26	As per data furnished by ISTS Licensee for July'22
40	Powerlinks Transmission Limited	137.17	137.17	11.65	As per data furnished by ISTS Licensee for July'22
41	NRSS XXXVI Transmission Limited	1.28	1.28	0.11	Data not furnished for July'22. Considered the same as in the earlier billing period.

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for July'22 (₹ Cr)	Equivalent MTC to be considered for July'22 (₹ Cr)	Remarks
42	Warora-Kurnool Transmission Limited	6.21	6.21	0.53	As per data furnished by ISTS Licensee for July'22
43	Powergrid Vizag Transmission Limited	234.47	234.47	19.91	As per data furnished by ISTS Licensee for July'22
44	Powergrid NM Transmission Limited	111.40	111.40	9.46	As per data furnished by ISTS Licensee for July'22
45	Powergrid Unchahar Transmission Limited	19.76	19.76	1.68	As per data furnished by ISTS Licensee for July'22
46	Powergrid Parli Transmission Limited	326.22	326.22	27.71	As per data furnished by ISTS Licensee for July'22
47	Powergrid Kala Amb Transmission Limited	68.66	68.66	5.83	As per data furnished by ISTS Licensee for July'22. Bilateral payment of HPSEB is also included in the claimed YTC
48	Powergrid Southern Interconnector Transmission System Limited	462.10	462.10	39.25	As per data furnished by ISTS Licensee for July'22
49	Powergrid Jabalpur Transmission Limited	256.43	256.43	21.78	As per data furnished by ISTS Licensee for July'22
50	Powergrid Warora Transmission Limited	364.20	364.20	30.93	As per data furnished by ISTS Licensee for July'22
51	Powergrid Medinipur Jeerat Transmission Limited	555.23	555.23	47.16	As per data furnished by ISTS Licensee for July'22
52	Powergrid Mithilanchal Transmission Limited	170.00	170.00	14.44	As per data furnished by ISTS Licensee for July'22
53	Powergrid Ajmer Phagi Transmission Limited	63.57	63.57	5.40	As per data furnished by ISTS Licensee for July'22
54	Powergrid Varanasi Transmissoin System Limited	116.97	116.97	9.93	As per data furnished by ISTS Licensee for July'22
55	Powergrid Fatehgarh Transmission Limited	74.54	74.54	6.33	As per data furnished by ISTS Licensee for July'22
56	Powergrid Khetri Transmission System Ltd.	126.71	126.71	10.76	As per data furnished by ISTS Licensee for July'22
57	North East Transmission Company Limited	260.21	260.21	22.10	As per data furnished by ISTS Licensee for July'22
58	Transmission Corporation Of Andhra Pradesh (APTRANSCO)	439.71	44.86	3.81	As per data furnished by ISTS Licensee for July'22
59	Madhya Pradesh Power Transmisioin Co. Ltd.	12.54	12.54	1.06	As per data furnished by ISTS Licensee for July'22
60	Karnataka Power Transmission Corporation Limited	1.42	1.42	0.12	Data not furnished by ISTS Licensee for July'22. CERC Tariff Order dated 12.06.2019 has been considered
61	Delhi Transco Limited	3.12	3.12	0.26	Data not furnished by ISTS Licensee for July'22. Data as furnished by ISTS Licensee for Dec'20 has been considered.
62	Power Transmission Corporation Of Uttarakhand Ltd	43.42	43.42	3.69	Data furnished by ISTS Licensee for July'22. CERC Tariff Order dated 09.11.2021 , 25.11.2021 and 13.06.2021 have been considered.
63	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	6.37	0.54	Data not furnished by ISTS Licensee for July'22. Data as furnished by ISTS Licensee for Jan'21 has been considered. RPC certified non-ISTS as ISTS has not been considered in line with clause 13 (13) of Sharing Regulations,2020
64	Tamilnadu Transmission Corporation Limited	0.59	0.59	0.05	Data not furnished by ISTS Licensee for July'22. CERC Tariff 148/TT/2018 Order dated 16.11.2018 has been considered
65	Chhattisgarh State Power Transmission Company Ltd	0.75	0.75	0.06	Data not furnished for July'22. Considered the same as in the earlier billing period.
66	Himachal Pradesh Power Transmission Corporation Ltd	2.61	2.61	0.22	Data not furnished for July'22. Considered the same as in the earlier billing period.
67	Odisha Power Transmission Corporation Limited	9.80	9.67	0.82	Data not furnished by ISTS Licensee for July'22. Data as furnished by ISTS Licensee for Jan'21 has been considered. Filing and Publication fee of ₹ 13.67 Lacs as claimed by the licensee is not considered. The same may be claimed in Bill-2 or Bill-3 as applicable.
68	Uttarpradesh Power Transmission Corporation Limited	27.23	0.00	0.00	Data not furnished by ISTS Licensee for July'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
69	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for July'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
70	Gujarat Energy Transmission Corporation Limited	5.71	0.00	0.00	Data not furnished by ISTS Licensee for July'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
71	Maharashtra State Electricity Transmission Company Ltd	97.68	0.00	0.00	Data not furnished by ISTS Licensee for July'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
72	West Bengal State Electricity Transmission Company Ltd	32.05	0.00	0.00	Data not furnished by ISTS Licensee for July'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for July'22 (₹ Cr)	Equivalent MTC to be considered for July'22 (₹ Cr)	Remarks
73	Haryana Vidyut Prasaran Nigam Limited	0.34	0.34	0.03	As per data furnished by ISTS Licensee for July'22
74	Assam Electricity Grid Corporation Limited	10.78	0.00	0.00	Data not furnished by ISTS Licensee for July'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
75	Meghalaya Power Transmission Corporation Limited	3.61	0.00	0.00	Data not furnished by ISTS Licensee for July'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
76	Kerala State Electricity Board	10.06	0.00	0.00	Data not furnished by ISTS Licensee for July'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available

TOTAL MTC considered for the billing period July'22 from the claimed assets of ISTS licensees (₹ Crores)

3600.30

Details of Entity-wise bilateral billing

Sl.No.	Name of the Asset	Transmission Licensee	Name of the beneficiary	Region	MTC in ₹	State Control Area in which the Bilateral charges are included	Remarks
1	02 Nos of 132 kV line bays at Daltonganj Substation	Powergrid	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	ER	832668	Jharkhand	As per Regulation 13(12) of Sharing Regulations 2020
2	04 Nos. 220 KV Bays at Daltonganj Sub-station;	Powergrid					
3	220 kV, 2 nos. Line bays at Hamirpur Sub-station	Powergrid	Himachal Pradesh Power Transmission Corporation Limited (HPPTCL)	NR	1314230	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
4	02 Nos. 220 KV Line Bays (HPSEB Future Bays)	Powergrid	Himachal Pradesh State Electricity Board (HPSEB)	NR	50174835	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2021
5	GIS substation 7X105 MVA (1-ph), 400/220 kV at Kala Amb (Himachal Pradesh) and LLO of Karcham Wangtoo - Abdullapur 400 kV D/C	Powergrid					As per Regulation 13(12) of Sharing Regulations 2022
6	220kV, 2 Nos. Line bays at Jallandhar Substation	Powergrid	Punjab State Transmission Corporation Limited (PSTCL)	NR	935605	Punjab	As per Regulation 13(12) of Sharing Regulations 2020
7	Asset-B(ii) 2 nos. 220 kV Line Bays at Kotputli S/S	Powergrid	Rajasthan DISCOMs	NR	1000068	Rajasthan	As per Regulation 13(12) of Sharing Regulations 2021
8	2 nos. 220 kV line bays (#211 and 212) at 400/220 kV Jaipur (South) Substation	Powergrid	Rajasthan Rajya Vidyut Prasaran Nigam Limited (RRVPL)	NR	1148784	Rajasthan	As per Regulation 13(12) of Sharing Regulations 2022
9	400KV D/C Kota - Jaipur (South) line along with associated bays at Kota and Jaipur(South) (part of RAPPJaipur (S) 400KV D/C line with one ckt LLO at Kota)	Powergrid	RAPP 7&8, NPCIL	NR	33406195		As per Regulation 13(3) of Sharing Regulations 2020
10	One No. 220kv line Bays (206 no. Bay) associated with Baghpat GIS Substation	Powergrid	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	NR	3671419	Uttar Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
11	One No. 220kv line Bays (207 no. Bay) associated with Baghpat GIS Substation						
12	1 no. 220 kV line bay (# 210) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station						
13	2X500MVA 400/230kV transformers along with associated bays and equipment at new 400/230kV (GIS) Tirunelveli Pooling Sub-station	Powergrid	Betam	SR	483770		As per Regulation 13(3) of Sharing Regulations 2020
14	Asset 1. Kalpakkam PFBR-Sirucher 230 kV D/C Line, Asset 2. Kalpakkam PFBR - Arani 230 KV D/C Line, Asset 3. 230 kV D/C Kalpakkam PFBR-Kanchipuram transmission line and 2 numbers of 230 kV Bays at Kanchipuram Sub-station of TNEB	Powergrid	Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI)	SR	20469173		As per Regulation 13(3) of Sharing Regulations 2020
15	220 kV line bays at Madhugiri for termination of 220 kV D/C Madhugiri – Nittur line	Powergrid	Karnataka DISCOMs	SR	840822	Karnataka	As per Regulation 13(12) of Sharing Regulations 2020
16	04 No. 220 KV bays at 400/220kV Yelahanka Substation	Powergrid	Karnataka Power Transmission Corporation Limited (KPTCL)	SR	2710419	Karnataka	As per Regulation 13(12) of Sharing Regulations 2021
17	Thermal Powertech Corporation India Ltd Switchyard-Nellore PS 400kV D/c (quad)	Powergrid	Sembcorp Energy India Ltd Project-I	SR	113512		As per Regulation 13(9) of Sharing Regulations 2020
18	HVDC Mundra-Mahendergarh	Powergrid	Adani Power Limited	WR	285612071		--
19	2 nos. 220 kV line bays at Mapusa (Colvale) (Powergrid) Substation (for Mapusa- (Colvale) (Powergrid)-Tuem 220 kV D/C line)	Powergrid	Goa Electricity Department (GED), Goa	WR	1254778	Goa	As per Regulation 13(12) of Sharing Regulations 2020

Sl.No.	Name of the Asset	Transmission Licensee	Name of the beneficiary	Region	MTC in ₹	State Control Area in which the Bilateral charges are included	Remarks
20	Asset 3: 2 nos. 220 kV line bays at 400/220 kV Pirana substation	Powergrid	Gujarat Urja Vikas Nigam Limited (GUVNL)	WR	972041	Gujarat	As per Regulation 13(12) of Sharing Regulations 2021
21	400 kV Banaskantha (Radhanesda) Pooling Station-Banaskantha (PG) D/C line alongwith 2 nos. 400 Kv line bays at Banaskantha (PG) under Tr. System for Ultra Mega Solar Power Park (700 MW) at Banaskantha (Radhanesda), Gujarat in WR	Powergrid	Gujarat Power Corporation Limited (GPCL)	WR	11577092	Gujarat	As per Regulation 13(3) of Sharing Regulations 2020
22	Est. of 2x500 MVA, 400/220 kV PS at Banaskantha (Radhanesda) (GIS) with 1X125 MVAR BR, 2 nos of 400 kV line bays at Bnsknta (Radhanesda) (GIS) for interconnection of Bnsknta (Radhanesda) PS-Bnsknta (PG) 400 kV D/C (twin AL59) TL & 4 Nos 220 kV Line bays	Powergrid	Gujarat Power Corporation Limited (GPCL)	WR		Gujarat	As per Regulation 13(3) of Sharing Regulations 2020
23	MBPMPL TPS-Jabalpur PS 400 kV D/c (Triple) line	Powergrid	MB Power	WR	8993256		As per Regulation 13(9) of Sharing Regulations 2020
24	1 no. 220 kV line bays at 400/220 kV Indore substation	Powergrid	Madhya Pradesh Power Transmission Corporation Limited (MPPTCL)	WR	1235668	Madhya Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
25	1 no. 220 kV line bay at 400/220 kV Indore substation						
26	2 nos. 220 kV Line bays (Bay No 209 & 211) at NP Kunta substation	Powergrid	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR	1276471		As per Regulation 13(3) of Sharing Regulations 2020
27	LILO of one ckt of 132 kV Biswanath-Chariyalli (PG)-Itanagar at Gohpur(AEGCL)	NER-II Transmission Ltd	Assam Electricity Grid Corporation Limited (AEGCL)	NER	1016063.34	Assam	As per Regulation 13(12) of Sharing Regulations 2020
28	04 Nos. 220 kV bays at Dehradun Sub-station	Powergrid	Power Transmission Corporation Of Uttarakhand Limited	NR	2624468.49	Uttarakhand	As per Regulation 13(12) of Sharing Regulations 2020
29	YTC of NCC Power projects Ltd. -Nellore PS 400kV D/c (quad)	Powergrid	Sembcorp Energy India Ltd Project-2	SR	7007360.39		As per Regulation 13(9) of Sharing Regulations 2020
30	ICTs at 400/220 kV, 2x500 MVA Dhanbad sub-station	Powergrid	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	ER	9036420.38	Jharkhand	As per Regulation 13(12) of Sharing Regulations 2020
31	Establishment of 4x500MVA, 400/220kV Jam Khambhaliya PS (GIS)	Jam Khambhaliya Transco Limited	Powerica Ltd.	WR	18913549.80		As per Regulation 13(12) of Sharing Regulations 2020
32	1x125MVAR, 420kV Bus reactor at Jam Khambhaliya PS along with reactor bay			WR			As per Regulation 13(12) of Sharing Regulations 2020
33	Extension of Essar-Lakadia/ Bhachau 400kV D/c (triple snowbird) line upto Jam Khambhaliya PS			WR			As per Regulation 13(12) of Sharing Regulations 2020
34	2 nos. of 400kV line bays at Jam Khambhaliya PS for termination of Jam Khambhaliya PS-Lakadia 400kV D/C (triple) line			WR			As per Regulation 13(12) of Sharing Regulations 2020
35	63MVAR switchable Line Reactor at both ends of Lakadia - Jam Khambhaliya 400kV D/c line along with 500 Ohms NGR on both circuits & at both ends of Lakadia - Jam Khambhaliya 400 kV D/c line			WR			As per Regulation 13(12) of Sharing Regulations 2020
36	Mahan Bilaspur Line	Essar Power Transmission Company Ltd.	Mahan Energen Limited (formerly Essar Power M.P. Ltd)	WR	62607664.92		As per CERC order dated 14.03.2022 in Petition No. 145/TT/2018 Along with IA No.89/IA/2018, IA No. 47/IA/2020 & IA No.75/IA/2021

Sl.No.	Name of the Asset	Transmission Licensee	Name of the beneficiary	Region	MTC in ₹	State Control Area in which the Bilateral charges are included	Remarks
37	2 numbers 400 kV line bays at Bhadla (POWERGRID) Sub-station	Powergrid	Adani Renewable Energy Park Rajasthan Limited	NR	2009267.00		As per Regulation 13(3) of Sharing Regulations 2020
38	Establishment of 400 kV Pooling Station at Fatehgarh	Fatehgarh Badhla Transmission Limited	Adani Renewable Energy Park Rajasthan Limited	NR	1226281.00		As per Regulation 13(3) of Sharing Regulations 2020
39	Fatehgarh Pooling Station – Bhadla (PG) 765 kV D/C line (To be operated at 400 kV)		ACME Solar Holdings Pvt. Ltd	NR	1954752.00		As per Regulation 13(3) of Sharing Regulations 2020
40	2 Nos. 400 kV line bays at Fatehgarh Pooling Station			NR			As per Regulation 13(3) of Sharing Regulations 2020
41	1x25 MVAR Bus Reactor at 400 kV Fatehgarh Pooling Station along with associated bay			NR			As per Regulation 13(3) of Sharing Regulations 2020
42	Space for future 220kV (12 Nos) Line Bays			NR			As per Regulation 13(3) of Sharing Regulations 2020
43	Space for future 400kV (8 Nos) Line Bays alongwith line reactors at Fatehgarh Pooling Station			NR			As per Regulation 13(3) of Sharing Regulations 2020
44	Space for future 220/400kV transformers (5 Nos) alongwith associated transformer bays at each level.			NR			As per Regulation 13(3) of Sharing Regulations 2020
45	Space for future 400kV bus reactors (2 Nos) alongwith associated bays.			NR			As per Regulation 13(3) of Sharing Regulations 2020
46	400KV, 500 MVA ICT-II along with associated bays at Bhadla (POWERGRID) Substation;	Powergrid	Essel Saurya Urja Company of Rajasthan Limited (ESUCRL)	NR	4564995.83		As per Regulation 13(3) of Sharing Regulations 2020
47	500 MVA ICT-III along with associated bays at Bhadla (POWERGRID) Substation,			NR			As per Regulation 13(3) of Sharing Regulations 2020
48	500 MVA ICT-I along with associated bays at Bhadla (POWERGRID) Substation			NR			As per Regulation 13(3) of Sharing Regulations 2020
TOTAL					538983702		

Annexure-VIII**Commercial data related to LTA details of exempted Renewable Energy (RE) based generation (Cumulative till Jul'22)**

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted/ MTOA operationalised	LTA/MTOA with tied up beneficiaries	Name of the beneficiaries (for entire LTA granted)	Effective date of LTA/MTOA operationlization	Exempted quantum in MW (as on Jul'22)	Remarks	PS	SPD/SPV/Subsidiary
1	Rewa Ultra Mega Solar Power Development	WR	750	750	MP-651 MW, DMRC-99 MW	490MW:07.07.18; 260 MW: 13.04.19	750	No billing for Sep'22 billing month.	Rewa	
2	Ostro Kutch Wind Private Limited	WR	300	300	GRIDCO-50 MW, Jharkhand- 50 MW, Bihar-50 MW, UPPCL-150MW	126MW: 24.08.18; 50MW: 02.11.18; 50MW: 29.12.18; 24MW: 30.03.19; 50MW: 14.04.19	296.2	Included in Format II G (3).	Bhachau	
3	Inox Wind Infrastructure Services Limited	WR	500	500	Bihar -50 MW, Jharkhand - 50 MW, UP - 200 MW, BRPL - 50 MW, Haryana - 150 MW	500MW: 14.04.2019	210	Bills are being raised for mismatch period. 10MW COD w.e.f 04.09.2021.	Bhuj PS	
4	ReNew Power Limited	WR	300	300	UP - 100 MW, PSPCL - 100 MW, GRIDCO - 50 MW, GOA - 50 MW	300MW: 01.05.19	230.1	Included in Format II G (3)		
5	ReNew Power Limited	WR	50	50	UHBVN & DHBVN - 50MW	50MW: 23.11.19	0	Included in Format II G (3)		
6	Green Infra Wind Energy Ltd.	WR	250	250	Assam (APDCL) - 50 MW, GRIDCO Ltd.-100 MW, Jharkhand (JBVNL)- 100 MW	151.2MW:14.04.19; 98.8 MW: 04.11.19	250	No billing for Sep'22 billing month. Billing for prior mismatch period corresponding to 98.8 MW will be raised upon receipt of approved CERC tariff order for ATS.		
7	Green Infra Wind Energy Ltd.	WR	300	300	PSPCL -200 MW, Bihar DISCOMs: 100 MW (NBPDL & SBPDL)	300 MW: 04.11.19	300	No billing for Sep'22 billing month. Billing for prior mismatch period will be raised upon receipt of approved CERC tariff order for ATS.		
8	Adani Green Energy MP Ltd. (AGEMPL Dayapar)	WR	100	100	UPPCL - 40 MW , NPCL - 10 MW, PSPCL - 50 MW	100 MW: 04.11.19	100	No billing for Sep'22 billing month. Billing for prior mismatch period will be raised upon receipt of approved CERC tariff order for ATS.		
9	SEI Sunshine	WR	180	180	TPDDL-180 MW	90 MW:18.11.19; 90 MW: 01.04.20	180	No Billing for Sep'22 billing month		
10	Alfanar Energy Pvt. Limited	WR	300	300	BRPL -150 MW, BYPL -50 MW, TPDDL - 50 MW, Bihar - 50 MW	100MW: 31.01.20; 50MW: 15.02.20; 50MW: 28.02.20; 36MW: 06.10.20; 36MW: 20.10.20; 28MW: 10.02.21	300	No billing for Sep'22 billing month. Billing for prior mismatch period will be raised upon receipt of approved CERC tariff order for ATS. Already included in Format II G(2).		
11	ReNew Wind Energy (AP2) Private Limited (2 separate LTA grants, 1 to Haryana & 2nd to GRIDCO)	WR	262.5	262.5	Haryana	50 MW:25.02.20; 100 MW: 20.09.20; 20: 03.12.20; 40: 10.12.20; 43.75: 20.12.20 4.375: 27.01.21 4.375: 19.02.21	262.5	No billing for Sep'22 billing month. Billing for prior mismatch period will be raised upon receipt of approved CERC tariff order for ATS. Included in Format II G(2).	Bhuj	

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted/ MTOA operationalised	LTA/MTOA with tied up beneficiaries	Name of the beneficiaries (for entire LTA granted)	Effective date of LTA/MTOA operationlization	Exempted quantum in MW (as on Jul'22)	Remarks	PS	SPD/SPV/Subsidiary
			37.5	37.5		30: 10.12.2020 6.25: 20.12.2020 0.625: 27.01.21 0.625: 19.02.21				
12	Mytrah Energy (India) Pvt Ltd (GEC-I Corridor)	SR	250	250	UPPCL -100 MW, Jharkhand -50 MW, Bihar - 50 MW, Assam - 50 MW	75MW: 10.06.18; 50MW: 30.09.18; 125MW: 01.12.18;	250	No billing for Sep'22 billing month.		
13	AP Solar Power Corporation Pvt Ltd (NP Kunta)	SR	1500	1500	Andhra Pradesh-1500MW	250MW: 11.07.16; 750MW: 04.08.18; 500MW: 01.10.18;	1400	Included in Format II G (1)		
14	Karnataka Solar Power development Corporation Ltd	SR	2050	2050	Karnataka-1850 MW, UPPCL-200 MW	600MW: 12.07.18; 400MW: 28.09.18; 200MW: 30.12.19; 850 MW: 03.05.20	2050	No billing for Sep'22 billing month.		
15	Green Infra Renewable Energy Ltd.	SR	249.9	249.9	UPPCL -99.9 MW, Jharkhand -50 MW, Bihar - 50 MW, BRPL - 50 MW	249.9 MW: 10.10.18	249.9	No delay. Hence, no billing.		
16	Orange Sironj Power Pvt. Ltd.	SR	200	200	Bihar - 100 MW, Haryana - 100 MW	200 MW: 22.02.19	200	No billing for Sep'22 billing month.		
17	Betam Wind Energy Private Limited	SR	250.2	250.2	Bihar - 50.2 MW, Odisha-100 MW, UPPCL -100 MW	250.2 MW:31.07.19	218.2	LTA was granted on existing margins. However, CERC in tariff petition 172/TT/2018 has linked the LTA to 2X500MVA, 400/230kV ICTs at Tirunelveli Pool (Tuticorin-II). Therefore, Betam is not included in FORMAT II-G(3).		
18	Saurya Urja Company of Rajasthan Limited	NR	500	500	UPPCL-500 MW	500 MW: 27.10.19	500	No billing for Sep'22 billing month.	Bhadla	Claen Solar Power (Bhadla) Pvt. Ltd. : 300MW SB Energy Four Pvt. Ltd.: 200MW
19	Adani Reneable Energy Park Rajasthan Ltd.	NR	250	250	UPPCL-250 MW	250 MW: 27.10.19	250	No delay. Hence, no billing.	Bhadla	Azure Power India Pvt. Ltd.: 200MW ReNew Solar Power Pvt. Ltd.:50MW
20	NTPC Ltd. (Auraiya Solar)	NR	20	20	UPPCL-20MW	15MW: 25.10.2020 5MW: 30.11.2020	20	No billing for Sep'22 billing month.	Auraiya	
21	Sprng Renewable Energy Pvt Limited	SR	300	300	UP-300 MW	300 MW: 30.11.19	300	No billing for Sep'22 billing month.		
22	Adani Wind Energy Kutchh Three Limited	WR	250	250	Chandigarh Administration, UT, Chandigarh 40MW Uttar Pradesh Power Corporation Ltd 85MW Kerala State Electricity Board Ltd 75MW GRIDCO LTD. 50MW	115 MW: 05.02.2021 30.5 MW: 15.03.2021 43.8 MW: 08.04.2021 28.5 MW: 05.05.2021 32.2 MW: 09.05.2021	250	No Billing for Sep'22 billing month. Included in Format II G(2).	Bhuj	
23	Continuum Power Trading (TN) Pvt. Ltd	WR	50	50	MPPMCL	15.02.2021	50	32MW RE Capacity commissioned wef 12/4/21 18MW RE Capacity commissioned wef 22/4/21 No Billing for Sep'22 billing month. Included in Format II G(2).	Bhuj	
24	Avikiran Solar India Private Ltd.. (ASIPL)	WR	285	285	MSEDCL-100MW MPPMCL-185MW	09.05.2021	126	LTA made effective vide letter dated 07.05.2021 upon commissioning of identified transmission system (Bhuj ICT Augmentation scheme) but generation is delayed. Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS. COD of 16.8 MW: 24.02.2022; 25.2MW: 04.03.2022; 35.7MW: 06.03.2022; 21MW:11.03.2022, 12.60MW: 19.04.22; 14.70MW: 22.04.22	Bhuj	

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted/ MTOA operationalised	LTA/MTOA with tied up beneficiaries	Name of the beneficiaries (for entire LTA granted)	Effective date of LTA/MTOA operationlization	Exempted quantum in MW (as on Jul'22)	Remarks	PS	SPD/SPV/Subsidiary
25	Essel Saurya Urja Company of Rajasthan Ltd.	NR	750	750	PSPCL-300MW NBPDCL-207MW SBPDCL-243MW	01.06.2021	300	Included in Format II G (1).	Bhadla	SB Energy Six Pvt. Ltd.:600MW SB Energy Sixteen Projects Ltd.: 150MW
26	Adani Green Energy (MP) Limited	WR	75	75	MSEDCL	01.07.2021	75	MTOA was operational upto 30-Jun-2021. Now. The corresponding LTA has been operationalised w.e.f. 01.07.2021 (indicated along side) and waiver documents also submitted. Included in Format II G(2).		
27	Adani Renewable Energy Park Rajasthan Ltd.	NR	1000	996	TSSPDCL-208.82MW TSNPDCL-87.18MW AEML-700MW	01.08.2021	247.20	LTA made effective vide CTU letter dated 31.07.2021 but generation is delayed. 1000MW is on Target (NR) till 11.08.2021. After 11.08.2021, 704MW is on Target (NR) and 296MW is on Firm (SR). After 21.12.2021, 4MW is on Target, 700 MW Firm (WR) and 296 MW Firm (SR). COD of 49.92 MW: 30.12.21 & COD of 74.88MW: 05.02.2022, 74.88MW: 05.03.2022, 47.52MW: 19.06.2022	Fatehgarh	NTPC Ltd.:296MW Adani Hybrid Energy Jaisalmer Four Ltd.: 700MW
28	Gujarat Power Corporation Limited	WR	700	600	GUVNL:600MW WR TARGET:100MW	12.08.2021	485	Included in Format II G (1)	Radhanesda	
29	Azure Power India Pvt. Ltd.	NR	130	130	MSEDCL	01.09.2021	130	No Billing for Sep'22 billing month	Bhadla	Azure Power Thirty Four Pvt. Ltd.
30	Tata Power Renewable Energy Ltd.	NR	150	150	MSEDCL	01.09.2021	150	No Billing for Sep'22 billing month	Bhadla	Tata Power Renewable Energy Ltd.
31	Azure Power India Pvt. Ltd.	NR	300	300	GRIDCO: 200MW BRPL: 100MW	01.09.2021	300	LTA was made effective vide CTU letter dated 26.08.2021. 50MW w.e.f. 13.10.2021, 50MW COD w.e.f. 02.11.2021 and 50MW COD w.e.f. 30.11.2021, 50MW COD w.e.f. 27.12.2021, 50MW COD w.e.f. 31.01.2022, 50MW: 07.03.2022. Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Bhadla	Azure Power Forty One Pvt. Ltd.
32	Azure Power India Pvt. Ltd.	NR	200	200	MPPMCL	01.09.2021	200	COD of 53MW: 14.02.2022, COD of 147MW: 30.03.2022 Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Bhadla	Azure Power Maple Pvt. Ltd.
33	Azure Power India Pvt. Ltd.	NR	50	50	MPPMCL	01.09.2021	50	COD of 50MW: 30.03.2022. Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Bhadla	Azure Power Maple Pvt. Ltd.
34	Renew Power Pvt Ltd	SR	300	300	SBPDCL: 162 MW NBPDCL: 138 MW	63 MW: 24.09.21 10.5 MW: 11.10.21 12.6 MW: 19.10.21 14.7 MW: 26.10.21 16.8 MW: 11.11.21 10.5 MW: 23.11.21 10.5 MW: 30.11.21 35.7 MW: 27.07.22 Total : 174.3 MW	174.3	Part LTA operationalized on existing margins as per the request of applicant. Included in Format II G(3). 63 MW: 25.09.21 10.5MW: 12.10.21 10.5MW: 20.10.21 16.8MW: 27.10.21 14.7MW: 13.11.21 10.5MW: 01.12.21 10.5MW: 18.12.21 37.8MW: 27.07.2022.		
35	SBSR Power Cleantech Eleven Pvt. Ltd.	NR	300	300	TPDDL-200MW BYPL-100MW	20.11.2021	150	50MW: 15.08.2021; 50MW: 04.04.2022; 50MW: 11.04.2022. Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Bikaner	SBSR Power Cleantech Eleven Pvt. Ltd.
36	Azure Power India Pvt. Ltd.	NR	300	300	HPPC-100MW JBVN-200MW	100MW: 25.09.2021 200MW: 20.11.2021	300	LTA Application: 1200001655. 100MW LTA operationalized on part system and was earlier included in Format II G (2). Balance LTA operationalized vide CTU letter dated 18.11.2021. 300MW Commissioned. No billing for Sep'22 billing month.	Bikaner	Azure Power Forty Three Pvt. Ltd.
37	Avaada Energy Pvt. Ltd.	NR	100 MW out of 350MW	350.0	MSEDCL-350MW	100MW: 03.11.2021	100.0	100MW COD w.e.f. 03.11.2021	Bikaner	Avaada Sunce Energy Pvt. Ltd.
38	Ayana Renewable Power One Pvt. Ltd.	NR	300.0	300.0	MPPMCL-300MW	300MW: 23.12.2021	300.0	300MW COD: 22.12.2021	Bikaner	Ayana Renewable Power One Pvt. Ltd.
39	Avaada Energy Pvt. Ltd.	NR	50 MW out of 350MW	-	MSEDCL-350MW	50MW:07.01.2022	50.0	Additional 50MW 50MW COD w.e.f. 07.01.2022	Bikaner	Avaada Sunce Energy Pvt. Ltd.
40	Avaada Energy Pvt. Ltd.	NR	100 MW out of 300MW	300.0	TSSPDCL-98.77 TSNPDCL-41.23MW, TANGEDCO-160MW	100MW:18.01.2022	100.0	100MW COD w.e.f. 14.01.2022	Bikaner	Avaada Sustaianble RJProject Pvt. Ltd.

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted/ MTOA operationalised	LTA/MTOA with tied up beneficiaries	Name of the beneficiaries (for entire LTA granted)	Effective date of LTA/MTOA operationlization	Exempted quantum in MW (as on Jul'22)	Remarks	PS	SPD/SPV/Subsidiary
41	Adani Renewable Energy (Rajasthan) Ltd. (erstwhile Mahoba Solar (UP) Pvt. Ltd.)	NR	200.0	200.0	MSEDCL-200MW	200MW; 05.01.2022	200.0	200MW COD w.e.f. 21.08.2019	Bhadla	Adani Renewable Energy (Rajasthan) Ltd.
42	Avaada Energy Pvt. Ltd.	NR	50 MW out of 350MW	-	MSEDCL-350MW	50MW:04.02.2022	50.0	Additional 50MW 50MW COD w.e.f. 04.02.2022	Bikaner	Avaada Sunce Energy Pvt. Ltd.
43	Avaada Energy Pvt. Ltd.	NR	150 MW out of 350MW	-	MSEDCL-350MW	150MW:25.02.2022	150.0	Additional 50MW 50MW COD w.e.f. 25.02.2022, 50MW: 17.03.2022; 50MW: 08.04.2022. No Billing for Sep'22 billing month	Bikaner	Avaada Sunce Energy Pvt. Ltd.
44	Avaada Energy Pvt. Ltd.	NR	40 MW out of 300MW	-	TSSPDCL-98.77 TSNPDCCL-41.23MW, TANGEDCO-160MW	40MW:08.02.2022	40.0	40MW COD w.e.f. 08.02.2022	Bikaner	Avaada Sustaianble RJProject Pvt. Ltd.
45	Avaada Energy Pvt. Ltd. (MTOA)	NR	240.0	240.0	UHBVNL & DHBVNL, Haryana	240 MW: 01.02.2022	240.00	112.95 MW COD w.e.f. 26.12.2021 ; 12.80 MW COD w.e.f 01.02.2022; 19.2MW: 16.03.2022; 6.4MW: 07.04.2022; 88.65MW:11.05.2022	Bikaner	Avaada RJHN Pvt. Ltd.
46	Masaya Solar Energy Private Ltd	WR	300.0	300.0	TSSPDCL: 91.715MW TSNPDCCL: 38.285MW TANGEDCO: 170MW	300MW: 25.03.2022	0.00	Included in Format II G (3)	Khandwa (PG)	
47	GRT Jewellers (India) Pvt Ltd	SR	150	150	SBPDCL: 81 MW NBPDCCL: 69 MW	150 MW: 23.03.2022	150	Entire LTA of 150 MW was operationalized vide CTU letter dated 21.03.2022. 50 MW: 30.03.2022 (COD) 50 MW: 13.04.2022 (COD) 50 MW: 17.06.2022 (COD). Included in Format II G (3)		
48	ACME Solar Holdings Pvt. Ltd.	NR	300	300	BRPL: 300MW	02.04.2022	0	Included in Format II G (1).	Fatehgarh	ACME Raisar Solar Energy Pvt Ltd
49	ACME Solar Holdings Pvt. Ltd.	NR	300	300	BRPL:100MW BYPL:100MW TPDDL:100MW	02.04.2022	0	Included in Format II G (1).	Fatehgarh	ACME Phalodi Solar Energy Pvt Ltd
50	ACME Solar Holdings Pvt. Ltd.	NR	300	300	HPPC (NR)	02.04.2022	0	Included in Format II G (1).	Fatehgarh	ACME Deoghar Solar Energy Pvt Ltd
51	ACME Solar Holdings Pvt. Ltd.	NR	200 out of 300	300	HPPC: 100MW NBPDCCL: 69MW SBPDCL: 81MW Puduchery: 50MW	02.04.2022	0	Included in Format II G (1).	Fatehgarh	ACME Dhaulpur Solar Energy Pvt Ltd
52	Avaada Energy Pvt. Ltd.	NR	160 out of 300	-	TSSPDCL-98.77 TSNPDCCL-41.23MW, TANGEDCO-160MW	60MW: 13.04.2022 100MW: 23.04.2022	160	10MW COD w.e.f. 08.02.2022, 50MW COD w.e.f. 13.04.2022, 100MW: 11.05.2022. Included in Format II G (3)	Bikaner	Avaada Sustaianble RJProject Pvt. Ltd.
53	NTPC LTD. (Auraiya Floating Solar)	NR	20	20	UPPCL:20MW	11.04.2022	0	Included in Format II G (3)	Auraiya GPS	NTPC Ltd.
54	Southern Power Distribution Company of Telangana Limited (TSSPDCL)	WR	39.5	39.5	TSSPDCL	14.11MW:27.05.2022 10.58MW:31.05.2022 14.81MW:24.06.2022	24.69	COD of 14.11 MW; 14.05.22; 10.58MW: 15.06.22; Included in Format II G (3)	56MW Solar Power Plant within the premises of NTPC Kawas, Gujarat	
55	Northern Power Distribution Company of Telangana Limited (TSNPDCCL)	WR	16.5	16.5	TSNPDCCL	5.89MW:27.05.2022 4.42MW:31.05.2022 6.19MW:24.06.2022	10.31	COD of 5.89MW; 14.05.2022;4.42MW: 15.06.22 Included in Format II G (3)	56MW Solar Power Plant within the premises of NTPC Kawas, Gujarat	
56	POWERICA Ltd.	WR	50.6	50.6	UPPCL	24.3MW: 07.05.2022	24.3	Bilateral billing on behalf of Jamkhamabliya Transco Limited is being done as per RTA. COD of 24.3MW: 03.06.2022	Jam khamabliya PS	
57	SBESS Services Projectco Two Pvt Ltd	WR	324.4	324.4	UPPCL	26.05.2022	0	Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Indore S/s	
58	Southern Power Distribution Company of Telangana Limited (TSSPDCL)	WR	14.11	14.11	TSSPDCL	09.05.2022	0	Included in Format II G (3)	20MW Solar Power Plant within the premises of NTPC Gandhar, Gujarat	
59	Northern Power Distribution Company of Telangana Limited (TSNPDCCL)	WR	5.89	5.89	TSNPDCCL	09.05.2022	0	Included in Format II G (3)	20MW Solar Power Plant within the premises of NTPC Gandhar, Gujarat	

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted/ MTOA operationalised	LTA/MTOA with tied up beneficiaries	Name of the beneficiaries (for entire LTA granted)	Effective date of LTA/MTOA operartionlization	Exempted quantum in MW (as on Jul'22)	Remarks	PS	SPD/SPV/Subsidiary
60	ACME Solar Holdings Pvt. Ltd.	NR	100 out of 300	-	HPPC: 100MW NBPDCL: 69MW SBPDCL: 81MW Puduchery: 50MW	11.05.2022	0	Included in Format II G (1).	Fatehgarh	ACME Dhaulpur Solar Energy Pvt Ltd
61	Adani Renewable Energy Holding One Ltd.	NR	390	390	HPPC-390MW	11.05.2022	390	50MW: 17.08.21; 52.19MW: 12.04.22; 92.81MW: 27.05.22; 50MW: 14.08.21; 143.64MW: 27.05.22; 1.36MW: 28.05.22; Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Fatehgarh-II PS	Adani Green Energy Eighteen Ltd.
62	ReNew Solar Energy (Jharkhand Three) Pvt. Ltd.	NR	300.0	300.0	MPPMCL-300MW	11.05.2022	300.0	150MW: 02.09.2021, 50MW: 27.09.2021, 50MW: 05.10.2021, 50MW: 09.12.2021	Fatehgarh-II PS	ReNew Solar Energy (Jharkhand Three) Pvt. Ltd.
63	ReNew Solar Urja Pvt. Ltd.	NR	300.0	300.0	TSSPDCL: 91.715MW TSNPDCL: 38.285MW TANGEDCO: 170MW	11.05.2022	300.0	150MW: 02.12.2021, 50MW: 07.12.2021, 50MW: 13.12.2021, 50MW: 16.12.2021	Fatehgarh-II PS	ReNew Solar Urja Pvt. Ltd.
64	Mahindra Susten Pvt. Ltd.	NR	250.0	250.0	HPPC-250MW	29.06.2022	250.0	175MW: 20.05.2022, 75MW: 17.06.2022. No delay. Hence, no billing.	Bhadla-II PS	Mega Surya Urja Pvt. Ltd.
	Total		18491.1	18387.1			14181.2			

*Waiver Documents not submitted to CTU

Note: List does not include solar projects of NTPC / NRVNL / SECI which were granted LTA long back and are already operational

Methodology for computation of Transmission Deviation of the states for special cases:*(As decided in 51st Meeting of Commercial Sub-Committee held on 22.04.2022)***1. When CGS/ISGS is connected to both ISTS & STU system and LTA to the state is exempted/ excluded: (Cases are:**

- i. NNTPP - TANTRANSCO system,
- ii. NTPC, Ramagundam Stage I & II – TSTRANSCO system,
- iii. NLC TPS II Stage I - TANTRASNCO system

Transmission Deviation of state in a Time Block=***Actual Drawal in a Time Block as furnished by SRLDC – [LTA^{\$} + MTOA + X]***

Where,

- X- Net drawal through identified STU interface nodes connected to respective CGS in a time block or the weighted average allocation (MW) of the State from the respective CGS for the respective month, whichever is less.**

For NNTPP,

- X- Net drawal through identified STU interface nodes connected to respective CGS in a time block or 560.835 MW (Ex bus of the station excluding Mines % allocation & LTA granted by CTU), whichever is less.**

2. When CGS/ISGS is connected to only STU network and LTA to the state is exempted:(Cases are:

- i. NTPC Simhadri STPS Stage I - APTRANSCO system,
- ii. MAPS - TANTRASNCO system

Transmission Deviation of state in a Time Block =***Actual Drawal in a Time Block as furnished by SRLDC – [LTA^{\$} + MTOA + {(Y x Z)/100}]***

Where,

Y - Injection/drawal of respective CGS in a time block.**Z - Weighted Average Percentage Allocation of the state from the respective CGS for the respective month as published in REA (Item 2).**

- **Weighted Average Percentage Allocation (MoP) of the respective state from CGS/IGS, if CGS/ISGS is not in ABT mechanism.**

^{\$}*LTA of the state includes the LTA exempted for Renewable Energy Generation of respective state as furnished by Implementing Agency (IA).*
