

Notification of Transmission charges payable by DICs for Billing Month of October 2021

No: TC/09/2021

Date: 27.09.2021

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 **47th time block (11:30 Hrs to 11:45 Hrs) on 17th Aug,2021** as a peak block for the billing period of Aug'21 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 21.09.2021 with last date of submission of comments as 23.09.2021. Comments have been received from Teesta Valley Power Transmission Ltd.
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 15.09.2021 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.09.2021.
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 Oct'21 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 Oct'21 shall be used by RPCs for preparation of Regional Transmission Account (RTA) for the billing month of Oct'21 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 Aug'21 is given at **Annexure-VIII**.


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(जी चक्रवर्ती)

मुख्य महाप्रबंधक/ रा. भा. प्रे. के

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 31.08.2021. Sipat Transmission Limited has submitted revised YTC on 18.09.2021. Madhya Pradesh Power Transmission Co. Ltd. has submitted YTC data on 20.09.2021. Power Transmission Corporation of Uttarakhand Ltd has submitted YTC data on 21.09.2021. PowerGrid has submitted its YTC and YTC of its SPV's on 21.09.2021. Subsequently, PowerGrid has submitted revised format I (C) on 23.09.2021. 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 August'21

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 Transco Power Limited
7	Alipurduar Transmission Limited
8	Fatehgarh Bhadla Transmission Limited
9	Warora-Kurnool Transmission Limited
10	Jindal Power Limited
11	Parbati Koldam Transmission Company Limited (JV Of Rinfra And Powergrid Corporation Of India Limited)
12	Bhopal Dhule Transmission Company Ltd.
13	East North Interconnection Company Limited
14	Gurgaon Palwal Transmission Limited
15	Jabalpur Transmission Company Limited
16	Maheshwaram Transmission Limited
17	Khargone Transmission Company Ltd.
18	NRSS-XXIX Transmission Limited
19	Odisha Generation Phase-II Transmission Limited
20	Patran Transmission Company Limited
21	Purulia & Kharagpur Transmission Company Limited
22	Rapp Transmission Company Limited
23	NER-II Transmission Limited
24	Teestavalley Power Transmission Limited
25	Darbhanga-Motihari Transmission Company Limited
26	NRSS XXXI (B) Transmission Limited
27	Kohima Mariani Transmission Limited
28	Powerlinks Transmission Limited
29	Powergrid Vizag Transmission Limited

Sl. No.	Name of ISTS Licensee
30	Powergrid NM Transmission Limited
31	Powergrid Unchahar Transmission Limited
32	Powergrid Parli Transmission Limited
33	Powergrid Kala Amb Transmission Limited
34	Powergrid Southern Interconnector Transmission System Limited
35	Powergrid Jabalpur Transmission Limited
36	Powergrid Warora Transmission Limited
37	Powergrid Medinipur Jeerat Transmission Ltd
38	Raichur Sholapur Transmission Company Pvt Ltd.
39	PowerGrid Mithilanchal Transmission Ltd.
40	PowerGrid Ajmer PhagiTransmission Ltd.
41	North Karanpura Transco Ltd.
42	Madhya Pradesh Power Transmision Co. Ltd.
43	Power Transmission Corporation of Uttarakhand Ltd

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 07.09.2021. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 21.09.2021. CTU has submitted data in formats II-C, II-D and II (G2) to II (G5) on 23.09.2021 and formats II-A, II-B, II-E, II-F, II-(G1) on 24.09.2021 (evening). Subsequently, CTU has submitted revised format II-E on 27.09.2021.

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. NTPC has submitted Format-IV on 17.09.2021. The list of the DICs that have submitted the data by 07.09.2021 is as mentioned below:

S.NO.	WR	SR	NR	NER	ER	Others
1	Chattisgarh	Andhra Pradesh	Uttar Pradesh	Assam	Odisha	NHPC
2	Gujarat	Telangana	Haryana	Manipur	West Bengal	
3	MP	Karnataka	Himachal Pradesh	Meghalaya		
4	Maharashtra	Kerala	Delhi	Mizoram		
5	Goa	Tamil Nadu	Punjab	Nagaland		
6	D&D	NLC STG 1	BBMB	Tripura		

7	DNH	NLC STG 2	ReNew Solar Power Private Limited (Bikaner)	Palatana GBPP		
8	Hazira	NLC TPS 1 EXP	ReNew Solar Power Private Limited (Bhadla)			
9	ACBIL	NLC TS-II EXP				
10	Spectrum Power	Vallur(NTECL)				
11	Maruti Coal Power	Tuticorin TPP (NTPL)				
12	BALCO	IL&FS				
13	CGPL	Neyveli New Thermal Power				
14	DB Power Ltd.	Amplus Pavagada 37&38				
15	DGEN	Azure Power Earth Private Ltd. (Pavagada Solar Park)				
16	Dhariwal	Adyah Solar Energy Pvt, Ltd. (Pavagada Solar Park) 1,2,3,6,10 &13				
17	GMR Warora (EMCO)	Fortum Finnsurya Energy Private Ltd. (Pavagada Solar Park)				
18	Raipur Energen (GMR Chhattisgarh)(GCEL)(REL)	Fortum Solar India Private Limited. (Pavagada Solar Park)				
19	Jindal Stg-1	Galiveedu (Karnal_P1, Hisar_P3 & Bhiwadi_P6)				
20	JPL Stg-2	Yarrow Infra Structure Private Ltd. (Pavagada Solar Park)				
21	Jhabua Power	ReNew Wind Energy (TN2) Private Limited (Pavagada Solar Park)				
22	JP Nigrie					
23	KAPS 1&2					
24	Raigarh Energy (Korba West)(REGL)					
25	KSK Mahanadi					
26	LANCO					

27	MB Power (Anuppur)					
28	Essar Mahan					
29	NSPCL Bhilai					
30	Ratnagiri Dabhol(RGPPL)					
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 (wind)					
39	ACME RUMS					
40	Mahindra Renewables Pvt. Ltd. (RUMS)					
41	ARINSUM					
42	Bhuvad_Renew (wind)					
43	Vadwa_Green Infra(wind)(GIWEL)					
44	Roha Green infra (wind)(GIWELSEC13)					
45	Dayapar Inox(wind)					
46	Ratadiya AGEMPL (wind)					
47	Alfanar wind(Nanavalka)					
48	Renew AP2 Gadhsisa(wind)					

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. 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 August'21.
- 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 Aug'21. For the ISTS licensees who have not submitted YTC data for Aug'21, 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 Aug'21 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 August,2021.
- 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	258
2	± 500	HVDC	126
3	765	D/C	364
4	765	S/C	163
5	400	S/C	68
6	400	M/C TWIN	322
7	400	D/C Quad Moose	207
8	400	D/C Twin HTLS	135
9	400	D/C Twin Moose	121
10	400	M/C QUAD	604
11	400	D/C TRIPLE	168
12	400	S/C QUAD	113
13	220	D/C	51
14	220	S/C	39
15	220	M/C TWIN	230
16	132	D/C	35
17	132	S/C	20
18	132	M/C TWIN	163

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:

- a. 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.
- b. The indicative cost level of 400 kV Quad Bersimis D/C has been considered to be same as 400 kV Quad Moose D/C.
- c. The indicative cost level of 765 kV Hexa zebra has been considered to be same as 765 kV Quad Bersimis.
- d. 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.
- e. 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

- A. 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.
- B. 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.

Annexure-III

Transmission Charges for Designated ISTS Customers (DICs) for the billing month October'21

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	5230	409987158	942620681	49657902	109787307	218456380	54146186		1784655614
2	UP	NR	11026	1049611164	1987224075	104688322	231452571	460547692	144155722	5537449	3983216995
3	Punjab	NR	4288	421343550	772882312	40715968	90017829	179118786	116821778	1368429	1622268652
4	Haryana	NR	3734	746578471	672997208	35453953	78384182	155969986	204573645		1893957445
5	Chandigarh	NR	352	9947032	63478933	3344114	7393410	14711515	3118287		101993290
6	Rajasthan	NR	4255	660930666	766968399	40404419	89329034	177748212	101586409	4731195	1841698334
7	HP	NR	1750	21925939	315398445	16615406	36734549	73094941	31358103	52899598	548026980
8	J&K	NR	2303	53716250	415156624	21870735	48353414	96214326	53138464		688449811
9	Uttarakhand	NR	1218	79058389	219451298	11560844	25559557	50858778	39537648	29581049	455607564
10	ADHPL	NR	125	1276104	22594135	1190274	2631546	5236288			32928346
11	GMR Kamalanga	NR	75	3129071	13517829	712128	1574425	3132815			22066269
12	WBSEDCL_Inj	NR	600	0	108142629	5697028	12595404	25062517			151497578
13	MB Power	NR	175	28945991	31541600	1661633	3673659	7309901			73132784
14	Jorthang	NR	86.4	11198007	15572539	820372	1813738	3609003			33013658
15	Tashiding	NR	87.3	12663419	15734752	828918	1832631	3646596			34706317
16	Northern Railways	NR							2627988		2627988
17	North Central Railways	NR							2047375		2047375
18	RAPP 7&8, NPCIL	NR								35288333	35288333
19	Adani Renewable Energy Park Rajasthan Limited	NR								40843562	40843562
20	Gujarat	WR	7244	818684609	1305686501	68784457	152073690	96865626	53986961	975778	2497057621
21	Madhya Pradesh	WR	8024	584456397	1446247821	76189323	168444908	107293520	122942595	4242248	2509816812
22	Maharashtra	WR	7100	978653341	1279693908	67415149	149046325	94937301	79239558		2648985582
23	Chhattisgarh	WR	2901	91327485	522784667	27540653	60888883	38784091	23132268		764458048
24	Goa	WR	513	41067095	92437563	4869674	10766230	6857712	11758441	1453413	169210129

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	Daman Diu	WR	446	25640447	80438551	4237558	9368702	5967536	17448056		143100850
26	Dadra Nagar Haveli	WR	1033	112749291	186153008	9806668	21681295	13810228	9851162		354051652
27	Jindal Power Limited	WR	125	84154144	22529714	1186881	2624042	1671423			112166204
28	Spectrum Coal & Power	WR	28	0	4956537	261114	577289	367713			6162653
29	ACB Ltd	WR	23	1047984	4145467	218386	482824	307542			6202203
30	Torrent Power	WR	200	8084985	36047543	1899009	4198468	2674277			52904283
31	Sembcorp Energy India Ltd Project-I	WR	115	9992006	20727337	1091930	2414119	1537709			35763102
32	DB Power	WR	186	38132719	33524215	1766079	3904575	2487078			79814665
33	TRN Energy Pvt. Ltd.	WR	3	185674	540713	28485	62977	40114			857963
34	CSPTCL	WR	261	0	47042044	2478207	5479001	3489932			58489183
35	WBSEDCL_Inj	WR	400	0	72095086	3798018	8396936	5348555			89638595
36	KSK Mahanadi	WR	400	36915491	72095086	3798018	8396936	5348555			126554086
37	GMR Warora Energy Ltd, Maharashtra	WR	200	5964883	36047543	1899009	4198468	2674277			50784181
38	MB Power	WR								12763640	12763640
39	Adani Power Limited	WR								344873892	344873892
40	Essar Steel	WR							13208787		13208787
41	Andhra Pradesh	SR	1677	200581742	302254109	15922953	35203625	24093562	31651497		609707487
42	Telangana	SR	4264	90814826	768530503	40486712	89510973	61261822	32219272		1082824108
43	Tamil Nadu	SR	8280	403416316	1492318343	78616350	173810755	118957075	89588883		2356707721
44	Kerala	SR	2769	77438830	499165266	26296367	58137925	39789928	50920593		751748909

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		
45	Karnataka	SR	5526	268665085	996021653	52471101	116006934	79395809	105360098	3548778	1621469458
46	Pondicherry	SR	548	14746638	98729147	5201119	11499013	7869990	12480512		150526419
47	Goa-SR	SR	89	1948079	16064596	846294	1871048	1280556			22010573
48	Sembcorp Energy India Ltd Project-I	SR	55	4778786	9913074	522228	1154579	790200		665997	17824864
49	Sembcorp Energy India Ltd Project-II	SR	490	34062071	88316480	4652573	10286246	7039966		7195939	151553276
50	BHAVINI	SR								20469173	20469173
51	Betam	SR								630423	630423
52	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								255294	255294
53	West Bengal	ER	2540	201624423	457730299	24113545	53311982	66462576	48280361		851523186
54	Odisha	ER	1674	104620089	301739591	15895848	35143699	43812679	68610537		569822443
55	Bihar	ER	4965	258476706	894809060	47139153	104218674	129926543	160548565		1595118700
56	Jharkhand	ER	862	27235596	155347886	8183833	18093414	22556559	59516496	11418260	302352044
57	Sikkim	ER	105	1172440	18995576	1000700	2212420	2758163	2657981		28797281
58	DVC	ER	622	37501821	112142383	5907737	13061256	16283108	8424802		193321108
59	Bangladesh	ER	782	10032989	141024158	7429249	16425125	20476750			195388271
60	BRBCL Nabinagar	ER								6171484	6171484
61	NPGC Nabinagar	ER								10635548	10635548
62	NTPC Darlipalli	ER								7760447	7760447
63	Arunachal Pradesh	NER	288	1723922	51865227	2732296	6040758	8774223	14378091		85514517

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			
64	Assam	NER	1623	55584546	292567746	15412669	34075451	49494715	22719765	1008150	470863042
65	Manipur	NER	237	3546434	42773267	2253325	4981815	7236104	4170023		64960967
66	Meghalaya	NER	336	4528070	60610418	3192998	7059313	10253678	381869		86026346
67	Mizoram	NER	136	5104798	24585507	1295181	2863481	4159217	1532249	3970562	43510995
68	Nagaland	NER	170	6386893	30649630	1614643	3569771	5185106	25303630		72709673
69	Tripura	NER	353	3118793	63672800	3354327	7415990	10771752	24305846		112639507

Total	102899	8164477653	18546301484	977031834	2160093172	2603811003	1847730501	608288640	34907734287
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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	Sprng Renewable Energy Pvt Limited	Tamil Nadu	300	300	240	60 MW : 28.03.2021 93 MW : 01.04.2021 39 MW : 05.07.2021 36 MW : 14.07.2021 12 MW: 21.08.2021	30.11.2019	60	1928180	

Transmission Charges for Short Term Open Access (STOA)

S.No.	State	Region	STOA rate (paise/kWh)
1	Delhi	NR	47.39
2	UP	NR	50.11
3	Punjab	NR	52.50
4	Haryana	NR	70.45
5	Chandigarh	NR	40.22
6	Rajasthan	NR	59.96
7	HP	NR	39.30
8	J&K	NR	41.51
9	Uttarakhand	NR	48.60
10	Gujarat	WR	47.86
11	Madhya Pradesh	WR	43.37
12	Maharashtra	WR	51.82
13	Chattisgarh	WR	36.61
14	Goa	WR	45.43
15	Daman Diu	WR	44.53
16	Dadra Nagar Haveli	WR	47.61
17	Andhra Pradesh	SR	50.50
18	Telangana	SR	35.27
19	Tamil Nadu	SR	39.53
20	Kerala	SR	37.70
21	Karnataka	SR	40.66
22	Pondicherry	SR	38.17
23	Goa-SR	SR	34.30
24	West Bengal	ER	46.57
25	Odisha	ER	47.27
26	Bihar	ER	44.62
27	Jharkhand	ER	46.88
28	Sikkim	ER	37.95
29	DVC	ER	43.15
30	Bangladesh	ER	34.68
31	Arunachal Pradesh	NER	41.27
32	Assam	NER	40.20
33	Manipur	NER	38.02
34	Meghalaya	NER	35.53
35	Mizoram	NER	40.26
36	Nagaland	NER	59.39
37	Tripura	NER	44.28

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	10612.02	
2	Delhi	NR	5226.12	
3	Haryana	NR	3719.39	
4	Uttarakhand	NR	1217.57	
5	Punjab	NR	4288.13	
6	Rajasthan	NR	4254.36	
7	Himachal Pradesh	NR	1749.90	
8	Jammu & Kashmir	NR	2303.38	
9	Chandigarh	NR	352.20	
10	Noida Power Company Ltd, UP	NR	220.00	Uttar Pradesh
11	AD Hydro	NR	125.36	
12	Railways_UP	NR	188.75	Uttar Pradesh
13	Railways_Haryana	NR	11.25	Haryana
14	Railways_Delhi	NR	3.75	Delhi
15	PG-Rihand	NR	0.74	Uttar Pradesh
16	PG-Dadri	NR	0.76	Uttar Pradesh
17	PG-Agra	NR	2.36	Uttar Pradesh
18	PG-Balia	NR	0.95	Uttar Pradesh
19	PG-Bhiwadi	NR	0.95	Rajasthan
20	PG-Kurukshetra	NR	3.30	Haryana
21	MB Power	NR	175.00	
22	WBSEDCL	NR	600.00	
23	GMR Kamalanga Energy Pvt. Ltd	NR	75.00	
24	Jorthang	NR	86.40	
25	Tashiding	NR	87.30	
26	Gujarat	WR	7130.12	
27	Madhya Pradesh	WR	7822.92	
28	Chhattisgarh	WR	2884.22	
29	Maharashtra	WR	7000.02	
30	GOA	WR	512.86	
31	Daman Diu	WR	446.29	
32	Dadra Nagar Haveli	WR	1032.82	
33	HVDC Bhadravathi	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_Gujarat	WR	101.25	Gujarat
40	Railways_MP	WR	200.50	Madhya Pradesh
41	Railways_Maharashtra	WR	90.00	Maharashtra
42	Railways_Chhattisgarh	WR	11.25	Chhattisgarh
43	ACB Ltd.	WR	23.00	
44	JINDAL	WR	125.00	
45	Spectrum Coal and Power	WR	27.50	

46	Torrent Power	WR	200.00	
47	DB Power	WR	186.00	
48	KSK Mahanadi	WR	400.00	
49	GMR Warora Energy Ltd, Maharashtra	WR	200.00	
50	CSPTCL	WR	261.00	
51	TRN Energy Pvt. Ltd.	WR	3.00	
52	Sembcorp Energy India Ltd	WR	115.00	
53	WBSEDCL	WR	400.00	
54	BIHAR	ER	4888.69	
55	JHARKHAND	ER	791.91	
56	DVC	ER	339.69	
57	ORISSA	ER	1674.12	
58	WEST BENGAL	ER	2504.44	
59	SIKKIM	ER	105.39	
60	Bangladesh	ER	782.43	
61	TATA Steel Ltd.	ER	200.00	DVC
62	Railways Jharkhand	ER	70.00	Jharkhand
63	Railways Bihar	ER	75.00	Bihar
64	Railways DVC	ER	82.50	DVC
65	Railways West Bengal	ER	33.75	West Bengal
66	HVDC Alipurduar	ER	1.41	West Bengal
67	POWERGRID PUSAULI	ER	0.91	Bihar
68	Andhra Pradesh	SR	1674.50	
69	Karnataka	SR	5482.16	
70	KSEB	SR	2768.43	
71	Tamil Nadu	SR	8263.18	
72	Telangana	SR	4263.98	
73	Puducherry	SR	547.77	
74	Goa	SR	89.13	
75	SAIL, Salem	SR	13.65	Tamil Nadu
76	Railways Karnataka	SR	42.50	Karnataka
77	PG-HVDC Gazuwaka	SR	0.98	Andhra Pradesh
78	PG-HVDC Talcher	SR	1.50	Andhra Pradesh
79	PG-HVDC Kolar	SR	1.50	Karnataka
80	PG-HVDC Pugalur	SR	2.89	Tamil Nadu
81	PG-HVDC Thrissur	SR	1.05	Kerala
82	Sembcorp Energy India Ltd Project-I	SR	55.00	
83	Sembcorp Energy India Ltd Project-II	SR	490.00	
84	Arunachal Pradesh	NER	287.76	
85	Assam	NER	1621.87	
86	Manipur	NER	237.32	
87	Meghalaya	NER	336.28	
88	Mizoram	NER	136.41	
89	Nagaland	NER	170.05	
90	Tripura	NER	353.27	
91	PG-HVDC BNC	NER	1.37	Assam

TOTAL

102899.12

***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.**

Transmission Charges claimed by ISTS licensees for the billing period August'21

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Aug'21 (₹ Cr)	Equivalent MTC to be considered for Aug'21 (₹ Cr)	Remarks
1	POWERGRID	32500.80	32500.80	2760.34	As per data furnished by ISTS Licensee for Aug'21. 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	772.64	772.64	65.62	As per data furnished by ISTS Licensee for Aug'21
3	CHHATTISGARH-WR TRANSMISSION LIMITED.	165.00	165.00	14.01	As per data furnished by ISTS Licensee for Aug'21
4	RAIPUR RAJNANDGAON-WR TRANSMISSION LIMITED.	219.74	219.74	18.66	As per data furnished by ISTS Licensee for Aug'21
5	SIPAT TRANSMISSION LIMITED.	95.03	95.03	8.07	As per data furnished by ISTS Licensee for Aug'21
6	Western Transmission Gujarat Limited	55.57	55.57	4.72	Data not submitted for Aug'21. Data furnished by ISTS Licensee for July'21 has been considered
7	Western Transco Power Limited	102.21	102.21	8.68	As per data furnished by ISTS Licensee for Aug'21
8	ALIPURDUAR TRANSMISSION LIMITED	159.40	159.40	13.54	As per data furnished by ISTS Licensee for Aug'21
9	Fatehgarh-Bhadla Transmission Ltd.	48.09	48.09	4.08	As per data furnished by ISTS Licensee for Aug'21
10	NORTH KARANPURA TRANSCO LIMITED	23.64	23.64	1.68	As per data furnished by ISTS Licensee for Aug'21; CoD: 06.08.2021, hence charges considered for 26 days.
11	ARAVALI POWER COMPANY PRIVATE LIMITED	12.77	12.77	1.08	Data not furnished for Aug'21. Considered the same as in the earlier billing period.
12	Essar Power Transmission Company Limited	399.59	399.59	33.94	Data not furnished for Aug'21. Considered the same as in the earlier billing period.
13	Essar Power Transmission Company Limited (NTPC portion)	3.46	3.46	0.29	Data not furnished for Aug'21. Considered the same as in the earlier billing period.
14	Jindal Power Limited	19.12	19.12	1.62	As per data furnished by ISTS Licensee for Aug'21
15	Kudgi Transmission Limited	196.29	196.29	16.67	Data not furnished for Aug'21. Considered the same as in the earlier billing period.
16	Parbati Koldam Transmission Company Limited (JV of Rinfra and PowerGrid Corporation of India Limited)	171.37	171.37	14.55	As per data furnished by ISTS Licensee for Aug'21
17	BHOPAL DHULE TRANSMISSION COMPANY LTD.	259.99775	260.00	22.08	As per data furnished by ISTS Licensee for Aug'21

18	EAST NORTH INTERCONNECTION COMPANY LIMITED	143.70253	143.70	12.20	As per data furnished by ISTS Licensee for Aug'21
19	GURGAON PALWAL TRANSMISSION LIMITED	144.12706	144.13	12.24	As per data furnished by ISTS Licensee for Aug'21
20	JABALPUR TRANSMISSION COMPANY LIMITED	146.88611	146.89	12.48	As per data furnished by ISTS Licensee for Aug'21
21	MAHESHWARAM TRANSMISSION LIMITED	55.91733	55.92	4.75	As per data furnished by ISTS Licensee for Aug'21
22	KHARGONE TRANSMISSION COMPANY LTD.	103.54182	103.54	8.79	As per data furnished by ISTS Licensee for Aug'21
23	NRSS-XXIX TRANSMISSION LIMITED	501.89242	501.89	42.63	As per data furnished by ISTS Licensee for Aug'21
24	ODISHA GENERATION PHASE-II TRANSMISSION LIMITED	157.73353	157.73	13.40	As per data furnished by ISTS Licensee for Aug'21
25	Patran Transmission Company Limited	30.67646	30.68	2.61	As per data furnished by ISTS Licensee for Aug'21
26	PURULIA & KHARAGPUR TRANSMISSION COMPANY LIMITED	72.40279	72.40	6.15	As per data furnished by ISTS Licensee for Aug'21
27	RAPP TRANSMISSION COMPANY LIMITED	44.00884	44.01	3.74	As per data furnished by ISTS Licensee for Aug'21
28	NER-II Transmission Limited	409.31555	409.32	34.76	As per data furnished by ISTS Licensee for Aug'21
29	Teestavalley Power Transmission Limited	289.56	289.56	24.59	As per data furnished by ISTS Licensee for Aug'21
30	Torrent Power Grid Limited	46.68	46.68	3.96	Data not furnished for Aug'21. Considered the same as in the earlier billing period.
31	Darbhanga-Motihari Transmission Company Limited	119.03	119.03	10.11	As per data furnished by ISTS Licensee for Aug'21
32	NRSS XXXI (B) Transmission Limited	90.76	90.76	7.71	As per data furnished by ISTS Licensee for Aug'21
33	Jaypee Powergrid Limited	161.36	161.36	13.70	Data not furnished for Aug'21. Considered the same as in the earlier billing period.
34	KOHIMA MARIANI TRANSMISSION LIMITED	222.20	222.20	18.87	As per data furnished by ISTS Licensee for Aug'21
35	RAICHUR SHOLAPUR TRANSMISSION COMPANY PRIVATE LIMITED	35.20	35.20	2.99	As per data furnished by ISTS Licensee for Aug'21
36	DAMODAR VALLEY CORPORATION	137.08	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. YTC has been considered as zero as per clause 13 (13) of the Sharing Regulations,2020
37	Powerlinks Transmission Limited	142.02	142.02	12.06	As per data furnished by ISTS Licensee for Aug'21
38	NRSS XXXVI Transmission Limited	1.28	1.28	0.11	Data not furnished by ISTS Licensee for Aug'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.
39	Warora-Kurnool Transmission Limited	6.19	6.19	0.53	Data as furnished by ISTS Licensee for Aug'21 has been considered. Cost of 240 MVAR reactor with bays at Warora end is considered under the sharing mechanism
40	POWERGRID VIZAG TRANSMISSION LIMITED	285.60	285.60	24.26	As per data furnished by ISTS Licensee for Aug'21
41	POWERGRID NM TRANSMISSION LIMITED	113.87	113.87	9.67	As per data furnished by ISTS Licensee for Aug'21

42	POWERGRID UNCHAHAR TRANSMISSION LIMITED	20.27	20.27	1.72	As per data furnished by ISTS Licensee for Aug'21
43	POWERGRID PARLI TRANSMISSION LIMITED	326.22	326.22	27.71	As per data furnished by ISTS Licensee for Aug'21
44	POWERGRID KALA AMB TRANSMISSION LIMITED	70.578	70.58	5.99	As per data furnished by ISTS Licensee for Aug'21. Bilateral payment of HPSEB is also included in the claimed YTC
45	POWERGRID Southern Interconnector Transmission System Limited	449.68	449.68	38.19	As per data furnished by ISTS Licensee for Aug'21
46	POWERGRID JABALPUR TRANSMISSION LIMITED	243.68	243.68	20.70	As per data furnished by ISTS Licensee for Aug'21
47	POWERGRID WARORA TRANSMISSION LIMITED	364.20	364.20	30.93	As per data furnished by ISTS Licensee for Aug'21
48	POWERGRID MEDINIPUR JEERAT TRANSMISSION LIMITED	319.23	319.23	27.11	As per data furnished by ISTS Licensee for Aug'21
49	POWERGRID MITHILANCHAL TRANSMISSION LIMITED	119.73	119.73	10.17	As per data furnished by ISTS Licensee for Aug'21
50	POWERGRID AJMER PHAGI TRANSMISSION LIMITED	52.54	52.54	4.46	As per data furnished by ISTS Licensee for Aug'21
51	POWERGRID VARANASI TRANSMISSION SYSTEM LIMITED	116.97	116.97	9.93	As per data furnished by ISTS Licensee for Aug'21
52	NORTH EAST TRANSMISSION COMPANY LIMITED	351.53	351.53	29.86	Data not furnished for Aug'21, data furnished by ISTS Licensee for Mar'21 has been considered
53	Transmission Corporation of Andhra Pradesh (APTRANSCO)	283.72	57.74	4.90	As per data furnished by ISTS Licensee for Aug'21. CERC approved ISTS lines are only considered as per Sharing Regulations 2020
54	Madhya Pradesh Power Transmission Co. Ltd.	12.54	12.54	1.06	As per data furnished by ISTS Licensee for Aug'21
55	KARNATAKA POWER TRANSMISSION CORPORATION LIMITED	1.42	1.42	0.12	Data not furnished by ISTS Licensee for Aug'21. CERC Tariff Order dated 12.06.2019 has been considered
56	DELHI TRANSCO LIMITED	3.12	3.12	0.26	Data not furnished by ISTS Licensee for Aug'21. Data as furnished by ISTS Licensee for Dec'20 has been considered.
57	Power Transmission Corporation of Uttarakhand Ltd	46.75	46.75	3.97	As per data furnished by ISTS Licensee for Aug'21. CERC Tariff Order dated 20.04.2018 , 22.06.2018 and 13.06.2021 have been considered.
58	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	6.37	0.54	Data not furnished by ISTS Licensee for Aug'21. 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
59	TAMILNADU TRANSMISSION CORPORATION LIMITED	0.59	0.59	0.05	Data not furnished by ISTS Licensee for Aug'21. CERC Tariff 148/TT/2018 Order dated 16.11.2018 has been considered
60	CHHATTISGARH STATE POWER TRANSMISSION COMPANY LTD	0.75	0.75	0.06	As per data furnished by ISTS Licensee for Aug'21

61	HIMACHAL PRADESH POWER TRANSMISSION CORPORATION LTD	2.61	2.61	0.22	As per data furnished by ISTS Licensee for Aug'21
62	ODISHA POWER TRANSMISSION CORPORATION LIMITED	9.80	9.67	0.82	Data not furnished by ISTS Licensee for Aug'21. 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.
63	Uttarpradesh Power Transmission Corporation Limited (UPPTCL)	27.23	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
64	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
65	Gujarat Energy Transmission Corporation Limited (GETCO)	5.71	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
66	Maharashtra State Electricity Transmission Company Ltd (MAHATRANSCO)	97.68	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
67	West Bengal State Electricity Transmission Company Ltd (WBSETCL)	32.05	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
68	Haryana Vidyut Prasaran Nigam Limited (HVPNL)	8.09	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
69	Assam Electricity Grid Corporation Limited (AEGCL)	10.78	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. 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	Meghalaya Power Transmission Corporation Limited (MePTCL)	3.61	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. 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	Kerala State Electricity Board (KSEB)	10.06	0.00	0.00	Data not furnished by ISTS Licensee for Aug'21. 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 Aug'21
from the claimed assets of ISTS licensees (₹ Crores)

3490.77

Details of Entity-wise bilateral billing

Sl.No.	Name of the Asset	Name of the beneficiary	Region	MTC in ₹	State Control Area in which the Bilateral charges are included	Remarks
1	400 kV D/C Nabinagar-Sasaram Transmission Line and associated 400 kV line bays at Sasaram S/S	BRBCL Nabinagar	ER	6171484		As per Regulation 13(3) of Sharing Regulations 2020
2	02 Nos of 132 kV line bays at Daltonganj Substation	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	ER	3839327	Jharkhand	As per Regulation 13(12) of Sharing Regulations 2020
3	04 Nos. 220 KV Bays at Daltonganj Sub-station;					
4	400kV D/C (Quad) Nabinagar-II – Gaya transmission line with 02 nos. associated bays at Gaya Sub-station	NPGC Nabinagar	ER	10635548		As per Regulation 13(3) of Sharing Regulations 2020
5	765 kV D/C Darlipalli TPS (NTPC)- Jharsuguda (Sundergarh) Pooling Station transmission line alongwith one 765 kV line Bays at Jharsuguda (Sundergarh) Pooling Station	NTPC Darlipalli	ER	7760447		As per Regulation 13(3) of Sharing Regulations 2020
6	132kV D/C Melriat– Sihhmui T/L alongwith associated bays at Melriat (PG) & Sihhmui (Mizoram) S/S in place of 132kV D/C Melriat-Melriat Transmission Line	P & E Department, Govt. of Mizoram	NER	3970562	Mizoram	As per Regulation 13(12) of Sharing Regulations 2020

7	220 kV, 2 nos. Line bays at Hamirpur Sub-station	Himachal Pradesh Power Transmission Corporation Limited (HPPTCL)	NR	1674000	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
8	02 Nos. 220 KV Line Bays (HPSEB Future Bays)	Himachal Pradesh State Electricity Board (HPSEB)	NR	51225598	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2021
9	GIS substation 7X105 MVA (1-ph), 400/220 kV at Kala Amb (Himachal Pradesh) and LILO of Karcham Wangtoo - Abdullapur 400 kV D/C					As per Regulation 13(12) of Sharing Regulations 2022
10	220kV, 2 Nos. Line bays at Jallandhar Substation	Punjab State Transmission Corporation Limited (PSTCL)	NR	1368429	Punjab	As per Regulation 13(12) of Sharing Regulations 2020
11	Asset-B(ii) 2 nos. 220 kV Line Bays at Kotputli S/S	Rajasthan DISCOMs	NR	1513479	Rajasthan	As per Regulation 13(12) of Sharing Regulations 2021
12	2 nos. 220 kV line bays (#211 and 212) at 400/220 kV Jaipur (South) Substation	Rajasthan Rajya Vidyut Prasaran Nigam Limited (RRVPNL)	NR	3217715	Rajasthan	As per Regulation 13(12) of Sharing Regulations 2022
13	Extension of 400/220 kV Sikar Sub-station with 2 nos. 220 kV line bays					
14	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 LILO at Kota)	RAPP 7&8, NPCIL	NR	35288333		As per Regulation 13(3) of Sharing Regulations 2020

15	One No. 220kv line Bays (206 no. Bay) associated with Baghpat GIS Substation	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	NR	5537449	Uttar Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
16	One No. 220kv line Bays (207 no. Bay) associated with Baghpat GIS Substation					
17	2 nos. 220kV bays (#206 & 207) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
18	1 no. 220 kV line bay (# 210) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
19	400kV Srinagar Sub-station	Uttarakhand	NR	26928893	Uttarakhand	As per Regulation 13(12) of Sharing Regulations 2020
20	2X500MVA 400/230kV transformers along with associated bays and equipment at new 400/230kV (GIS) Tirunelveli Pooling Sub-station	Betam	SR	630423		As per Regulation 13(3) of Sharing Regulations 2020
21	Asset 1. Kalpakkam PFBR-Sirucheri 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	Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI)	SR	20469173		As per Regulation 13(3) of Sharing Regulations 2020
22	220 kV line bays at Madhugiri for termination of 220 kV D/C Madhugiri – Nittur line	Karnataka DISCOMs	SR	838359	Karnataka	As per Regulation 13(12) of Sharing Regulations 2020

23	04 No. 220 kV bays at 400/220kV Yelahanka Substation	Karnataka Power Transmission Corporation Limited (KPTCL)	SR	2710419	Karnataka	As per Regulation 13(12) of Sharing Regulations 2021
24	Thermal Powertech Corporation India Ltd Switchyard-Nellore PS 400kV D/c (quad)	Sembcorp Energy India Ltd Project-I	SR	665997		As per Regulation 13(9) of Sharing Regulations 2020
25	HVDC Mundra-Mahendergarh	Adani Power Limited	WR	344873892		--
26	2 nos. 220 kV line bays at Mapusa (Colvale) (Powergrid) Substation (for Mapusa- (Colvale) (Powergrid)-Tuem 220 kV D/C line)	Goa Electricity Department (GED), Goa	WR	1453413	Goa	As per Regulation 13(12) of Sharing Regulations 2020
27	Asset 3: 2 nos. 220 kV line bays at 400/220 kV Pirana substation	Gujarat Urja Vikas Nigam Limited (GUVNL)	WR	975778	Gujarat	As per Regulation 13(12) of Sharing Regulations 2021
28	MBPMPL TPS-Jabalpur PS 400 kV D/c (Triple) line	MB Power	WR	12763640		As per Regulation 13(9) of Sharing Regulations 2020
29	2 Nos. 400 kV line bays at Indore Substation (for Indore (Powergrid)-Ujjain 400 kV D/C Line.	Madhya Pradesh Power Transmission Corporation Limited (MPPTCL)	WR	4242248	Madhya Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
30	1 no. 220 kV line bays at 400/220 kV Indore substation					
31	1 no. 220 kV line bay at 400/220 kV Indore substation					
32	2 nos. 220 kV Line bays (Bay No 209 & 211) at NP Kunta substation	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR	255294		As per Regulation 13(3) of Sharing Regulations 2020
33	LILO of one ckt of 132 kV Biswanath-Chariyalli (PG)-Itanagar at Gohpur(AEGCL)	Assam Electricity Grid Corporation Limited (AEGCL)	NER	1008149.80	Assam	As per Regulation 13(12) of Sharing Regulations 2020
34	04 Nos. 220 kV bays at Dehradun Substation	Power Transmission Corporation Of Uttarakhand Limited	NR	2652156.16	Uttarakhand	As per Regulation 13(12) of Sharing Regulations 2020
35	YTC of NCC Power projects Ltd. -Nellore PS 400kV D/c (quad)	Sembcorp Energy India Ltd Project-2	SR	7195939.36		As per Regulation 13(9) of Sharing Regulations 2020

36	Establishment of 400 kV Pooling Station at Fatehgarh	Adani Renewable Energy Park Rajasthan Limited	NR	40843561.64		As per Regulation 13(12) of Sharing Regulations 2020
	Fatehgarh Pooling Station – Bhadla (PG) 765 kV D/C line (To be operated at 400 kV)					
	2 Nos. 400 kV line bays at Fatehgarh Pooling Station					
	1x25 MVAR Bus Reactor at 400 kV Fatehgarh Pooling Station along with associated bay					
	Space for future 220kV (12 Nos) Line Bays					
	Space for future 400kV (8 Nos) Line Bays alongwith line reactors at at Fatehgarh Pooling Station					
	Space for future 220/400kV transformers (5 Nos) alongwith associated transformer bays at each level.					
	Space for future 400kV bus reactors (2 Nos) alongwith associated bays.					
37	ICTs at 400/220 kV, 2x500 MVA Dhanbad sub-station	Jharkhand Urja Sancharan Nigam Limited (JUSNL)		7578933.22	Jharkhand	As per Regulation 13(12) of Sharing Regulations 2020

TOTAL

608288640

Note: The details of bilateral billing mentioned are prepared on the basis of Format-I(C) received from ISTS Licensees.

LTA details of exempted Renewable Energy (RE) based generation for the billing period of August'21

(As furnished by CTU- cumulative till Aug'21)

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted/ MTOA operationalised	LTA/MT OA with tied up beneficiaries	Name of the beneficiaries (for entire LTA granted)	Effective date of LTA/MTOA operation	Exempted quantum in MW (as on Aug-21)	Remarks
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	Further no billing on RUMS as bills already been raised.
2	Ostro Kutch Wind Private Limited	WR	300	250	GRIDCO-50 MW, Jharkhand-50 MW, Bihar-50 MW, UPPCL-100MW	126MW:24.08.18; 50MW:02.11.18; 50MW:29.12.18; 24MW:30.03.19; 50MW:14.04.19	250	No Billing for Oct'21 billing month
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	200	No Billing for Oct'21 billing month
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	No Billing for Oct'21 billing month

5	ReNew Power Limited	WR	50	50	UHBVN & DHBVN - 50MW	50MW: 23.11.19	0	Was Operationalized with the commissioning of common Transmission system vide CTU letter dated 20.11.2019. No Billing for Oct'21 billing month.
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 Delayed part Billing for Oct'21 billing month corresponding 98.8 MW ,due to Non availability of approved CERC tariff order for ATS.
7	Green Infra Wind Energy Ltd.	WR	300	300	PSPCL -200 MW, Bihar DISCOMs: 100 MW (NBPDC & SBPDCL)	300 MW: 04.11.19	300	No Delayed part Billing for Oct'21 billing month,due to Non availability 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 Delayed part Billing for Oct'21 billing month,due to Non availability 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 Oct'21 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 Delayed part Billing for Oct'21 billing month, due to Non availability 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 Delayed part Billing for Oct'21 billing month, due to Non availability of approved CERC tariff order for ATS. Already included in Format II G(2).
			37.5	37.5	GRIDCO	30: 10.12.2020 6.25: 20.12.2020 0.625: 27.01.21 0.625: 19.02.21	37.5	LTA operationalized on existing margin. No billing for Oct'21 Billing month. Already included in Format II G(2).
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	Further no billing on Mytrah as bills already been raised.

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	Already 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	Further no billing on KSPDCL as bills already been raised.
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	Further no billing on Orange Sironj as bills already been raised.
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	196.2	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 Delayed part Billing for Oct'21 billing month, due to Non availability of approved CERC tariff order for ATS.
19	Adani Renewable Energy Park Rajasthan Ltd.	NR	250	250	UPPCL-250 MW	250 MW: 27.10.19	250	No delay. Hence, no billing.
20	NTPC Ltd. (Auraiya Solar)	NR	20	20	UPPCL-20MW	15MW: 25.10.2020 5MW: 30.11.2020	20	Further No billing.
21	Sprng Renewable Energy Pvt Lt	SR	300	300	UP-300 MW	300 MW: 30.11.19	240	Already included in Format II G(3)
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 Oct'21 billing month. Already included in Format II G(2)
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 Oct'21 billing month. Already included in Format II G(2).

24	Avikiran Solar India Private Ltd.. (AS IPL)	WR	285	285	MSEDCL-100MW MPPMCL-185MW	09.05.2021	0	LTA made effective vide letter dated 07.05.2021 upon commissioning of identified transmission system (Bhuj ICT Augmentation scheme) but generation is delayed. No Delayed part Billing for Oct'21 billing month, due to Non availability of tariff order for ATS.
25	Essel Saurya Urja Company of Rajasthan Ltd.	NR	750	750	PSPCL-300MW NBPDC-207MW SBPDCL-243MW	01.06.2021	0	No Delayed part Billing for Oct'21 billing month, due to Non availability of approved CERC tariff order for ATS.
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. Already included in Format II G(2).
27	Mahoba Solar (UP) Pvt. Ltd	NR	200	200	MSEDCL	26.10.2019	200	MTOA operational upto 25-Jun-2021 (MTOA Ended)

28	Azure Power India Pvt. Ltd. (MTOA)	NR	130	130	MSEDCL	26.10.2019	130	MTOA operational upto 25-Aug-2022.
29	Tata Power Renewable Energy Ltd (MTOA)	NR	150	150	MSEDCL	26.10.2019	150	MTOA operational upto 31-Aug-2024.
30	ACME Solar Holdings Ltd. (MTOA)	NR	250	250	MSEDCL	26.10.2019	250	MTOA operational upto 25-Sep-2021.
31	Renew Solar Power Private Limited (MTOA)	NR	250	250	MSEDCL	26.10.2019	250	MTOA operational upto 25-Oct-2024.
32	Azure Power India Pvt. Ltd (MTOA)	NR	300	300	GRIDCO	01.02.2021	300	MTOA
33	Adani Renewable Energy Park Rajasthan Ltd.	NR	1000	296	TSSPDCL-208.82MW TSNPDCL-87.18MW	01.08.2021	0	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). Bilateral billing on behalf of FBTS is being done.

34	Gujarat Power Corporation Limited	WR	700	600	GUVNL:600MW WR TARGET:100MW	12.08.2021	400	LTA made effective vide CTU letter dated 10.08.2021. 400MW RE capacity commissioned w.e.f 13/08/2021. No Delayed part Billing for Oct'21 billing month, due to Non availability of approved CERC tariff order for ATS.
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Total

13290.1

12436.1

10271.2

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