

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 December, 2021

No: TC/11/2021

Date: 29.11.2021

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 **75th time block (18:30 Hrs to 18:45 Hrs) on 30th Oct,2021** as a peak block for the billing period of Oct'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 25.11.2021 with last date of submission of comments as 26.11.2021. 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 15.11.2021 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.11.2021.
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 Dec'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 Dec'21 shall be used by RPCs for preparation of Regional Transmission Account (RTA) for the billing month of Dec'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 Oct'21 is given at **Annexure-VIII**.



(देबाशिस दे)

कार्यपालक निदेशक/ 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 31.10.2021. Madhya Pradesh Power Transmission Co. Ltd. has submitted YTC on 03.11.2021. Khargone Transmission Limited has submitted YTC on 08.11.2021. APTRANSCO has submitted YTC on 09.11.2021 and revised format I(B) on 22.11.2021. Bikaner-Khetri Transmission Limited has submitted YTC on 15.11.2021. PowerGrid has submitted its YTC and YTC of its SPV's on 20.11.2021. Power Transmission Corporation of Uttarakhand Limited has submitted YTC on 24.11.2021. 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 Oct'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	Western Transmission Gujarat Limited
8	Alipurduar Transmission Limited
9	Fatehgarh Bhadla Transmission Limited
10	Warora-Kurnool Transmission Limited
11	Jindal Power Limited
12	Parbati Koldam Transmission Company Limited (JV Of Rinfra And Powergrid Corporation Of India Limited)
13	Bhopal Dhule Transmission Company Ltd.
14	East North Interconnection Company Limited
15	Gurgaon Palwal Transmission Limited
16	Jabalpur Transmission Company Limited
17	Maheshwaram Transmission Limited
18	Khargone Transmission Company Ltd.
19	NRSS-XXIX Transmission Limited
20	Odisha Generation Phase-II Transmission Limited
21	Patran Transmission Company Limited
22	Purulia & Kharagpur Transmission Company Limited
23	Rapp Transmission Company Limited
24	NER-II Transmission Limited
25	Teestavalley Power Transmission Limited
26	Torrent Power Grid Limited
27	Jaypee Powergrid Limited
28	Kohima Mariani Transmission Limited
29	Bikaner-Khetri Transmission Limited

Sl. No.	Name of ISTS Licensee
30	Powergrid Vizag Transmission Limited
31	Powergrid NM Transmission Limited
32	Powergrid Unchahar Transmission Limited
33	Powergrid Parli Transmission Limited
34	Powergrid Kala Amb Transmission Limited
35	Powergrid Southern Interconnector Transmission System Limited
36	Powergrid Jabalpur Transmission Limited
37	Powergrid Warora Transmission Limited
38	Powergrid Medinipur Jeerat Transmission Ltd
39	Raichur Sholapur Transmission Company Pvt Ltd.
40	PowerGrid Mithilanchal Transmission Ltd.
41	PowerGrid Ajmer PhagiTransmission Ltd.
42	North Karanpura Transco Ltd.
43	Madhya Pradesh Power Transmision Co. Ltd.
44	Transmission Corporation of Andhra Pradesh (APTRANSCO)
45	Powergrid Fatehgarh Transmission Limited
46	Essar Power Transmission Company Limited
47	Kudgi Transmission Limited
48	Damodar Valley Corporation
49	Power Transmission Corporation Of Uttarakhand Ltd
50	Powergrid Khetri Transmission System Ltd.
51	Haryana Vidyut Prasaran Nigam Limited
52	Chhattisgarh State Power Transmission Company 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 07.11.2021. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 23.11.2021. CTU has submitted data in formats II-C on 16.11.2021, formats II-D and II (G2) to II (G5) on 23.11.2021 and formats II-A, II-B, II-E, II-F, II-(G1) on 26.11.2021 (Night).

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 07.11.2021 is as mentioned below:

S.NO.	WR	SR	NR	NER	ER	Others
1	Chattisgarh	Andhra Pradesh	Uttar Pradesh	Arunachal Pradesh	Odisha	NHPC
2	Gujarat	Telangana	Haryana	Assam		
3	MP	Karnataka	Himachal Pradesh	Manipur		
4	Maharashtra	Kerala	Delhi	Meghalaya		

5	Goa	Tamil Nadu	Punjab	Mizoram		
6	D&D	NLC STG 1	BBMB	Nagaland		
7	DNH	NLC STG 2	ReNew Solar Power Private Limited	Tripura		
8	Hazira	NLC TPS 1 EXP		Palatana GBPP		
9	ACBIL	NLC TS-II EXP				
10	Spectrum Power	Vallur(NTECL)				
11	Maruti Coal Power	Tuticorin TPP (NTPL)				
12	BALCO	Neyveli New Thermal Power				
13	CGPL	Amplus Pavagada 37&38				
14	DB Power Ltd.	Azure Power Earth Private Ltd. (Pavagada Solar Park)				
15	DGEN	Adyah Solar Energy Pvt, Ltd. (Pavagada Solar Park) 1,2,3,6,10 &13				
16	Dhariwal	Fortum Finnsurya Energy Private Ltd. (Pavagada Solar Park)				
17	GMR Warora (EMCO)	Fortum Solar India Private Limited. (Pavagada Solar Park)				
18	Raipur Energen (GMR Chhattisgarh)(GCEL)	Galiveedu (Karnal_P1, Hisar_P3 & Bhiwadi_P6)				
19	Jindal Stg-1	Yarrow Infra Structure Private Ltd. (Pavagada Solar Park)				

20	JPL Stg-2	ReNew Wind Energy (TN2) Private Limited (Pavagada Solar Park)				
21	Jhabua Power	Vector Green				
22	JP Nigrie					
23	KAPS 1&2					
24	Raigarh Energy (Korba West)					
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)(GIWELSECI3)					
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 Oct'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 Oct'21. For the ISTS licensees who have not submitted YTC data for Oct'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 Oct'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 Oct,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.

Transmission Charges for Designated ISTS Customers (DICs) for the billing month December'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	206330676	900432116	60856144	108799033	217655599	54146186		1548219754
2	UP	NR	10559	941542949	1817878318	122862193	219653874	439423903	144803837	5537449	3691702524
3	Punjab	NR	4288	137990976	738290672	49897735	89207514	178462202	116827520	1368429	1312045047
4	Haryana	NR	3734	309173737	642876093	43449094	77678590	155398257	202221464		1430797235
5	Chandigarh	NR	284	5247821	48918754	3306198	5910843	11824812	3118287		78326716
6	Rajasthan	NR	4255	782130730	732643002	49516035	88525108	177097028	100992348	4731195	1935635445
7	HP	NR	1750	27140794	301282260	20362308	36403875	72827001	31358103	52899598	542273941
8	J&K	NR	2816	64476655	484911547	32772983	58591765	117214515	51845516		809812982
9	Uttarakhand	NR	1269	83199871	218550843	14770865	26407455	52828874	31010399	29581049	456349356
10	GMR Kamalanga	NR	75	10846422	12912816	872719	1560253	3121331			29313540
11	WBSEDCL_Inj	NR	600	0	103302525	6981751	12482023	24970647			147736947
12	MB Power	NR	175	32481598	30129903	2036344	3640590	7283106			75571541
13	Jorthang	NR	86.4	10894558	14875564	1005372	1797411	3595773			32168678
14	Tashiding	NR	87.3	10718720	15030517	1015845	1816134	3633229			32214446
15	Northern Railways	NR							2627988		2627988
16	North Central Railways	NR							2047375		2047375
17	RAPP 7&8, NPCIL	NR								35288333	35288333
18	Adani Renewable Energy Park Rajasthan Limited	NR								40843562	40843562
19	Power Grid Khetri Transmission System Ltd	NR								10598219	10598219
20	Gujarat	WR	7634	908409114	1314389996	88833689	158817481	107815713	53986961	975778	2633228731
21	Madhya Pradesh	WR	8024	710387002	1381504908	93369683	166926962	113320960	122942595	4242248	2592694359
22	Maharashtra	WR	7100	1035794283	1222419068	82617789	147704652	100271597	78544014		2667351402

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		
23	Chhattisgarh	WR	2901	93775945	499386565	33751285	60340779	40963275	23132268		751350116
24	Goa	WR	513	35602121	88300365	5967823	10669316	7243031	11758441	1453413	160994510
25	Daman Diu	WR	446	28468697	76838390	5193160	9284367	6302837	17448056		143535506
26	Dadra Nagar Haveli	WR	1033	122610244	177821419	12018147	21486127	14586191	9851162		358373289
27	Jindal Power Limited	WR	125	26083171	21521359	1454532	2600422	1765337			53424820
28	Spectrum Coal & Power	WR	28	11471750	4734699	319997	572093	388374			17486913
29	ACB Ltd	WR	23	2790410	3959930	267634	478478	324822			7821273
30	Torrent Power	WR	200	2198627	34434175	2327250	4160674	2824538			45945265
31	Sembcorp Energy India Ltd Project-I	WR	115	6579690	19799651	1338169	2392388	1624110			31734007
32	DB Power	WR	186	50083518	32023783	2164343	3869427	2626821			90767892
33	TRN Energy Pvt. Ltd.	WR	3	0	516513	34909	62410	42368			656200
34	CSPTCL	WR	261	0	44936598	3037062	5429680	3686023			57089363
35	WBSEDCL_Inj	WR	400	0	68868350	4654501	8321349	5649077			87493277
36	KSK Mahanadi	WR	400	0	68868350	4654501	8321349	5649077			87493277
37	GMR Warora Energy Ltd, Maharashtra	WR	130	10105476	22350334	1510558	2700586	1833335			38500290
38	MB Power	WR								11610352	11610352
39	Adani Power Limited	WR								344873892	344873892
40	Essar Steel	WR							13208787		13208787
41	Andhra Pradesh	SR	1853	354334317	318972083	21557884	38541333	26066214	30644492		790116322
42	Telangana	SR	4357	230563408	750082074	50694663	90632267	61296272	32174779		1215443462

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		
43	Tamil Nadu	SR	8432	905256993	1451723501	98115441	175411461	118634003	90466880		2839608279
44	Kerala	SR	2762	244667646	475538492	32139501	57459221	38860730	50920593		899586182
45	Karnataka	SR	5472	576961538	942140530	63675027	113838652	76991178	103661637	3548778	1880817340
46	Pondicherry	SR	519	21775392	89302700	6035567	10790427	7297765	12480512		147682363
47	Goa-SR	SR	89	38220	15249182	1030623	1842556	1246154			19406736
48	Sembcorp Energy India Ltd Project-I	SR	55	3146808	9469398	639994	1144185	773834		116842	15291061
49	Sembcorp Energy India Ltd Project-II	SR	490	33439144	84363728	5701764	10193652	6894155		7195939	147788383
50	BHAVINI	SR								20469173	20469173
51	Betam	SR								420049	420049
52	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								255294	255294
53	West Bengal	ER	2677	88449238	460938831	31152776	55695147	75325005	48569545		760130542
54	Odisha	ER	1796	169042182	309248185	20900689	37366396	50536252	68610537		655704242
55	Bihar	ER	5054	215320074	870074984	58804442	105130986	142184598	164966046		1556481131
56	Jharkhand	ER	931	37287538	160300648	10833997	19369095	26195769	51186222	10623684	315796953
57	Sikkim	ER	119	2183257	20405140	1379091	2465549	3334536	2657981		32425555
58	DVC	ER	622	38575998	107123264	7239978	12943683	17505708	9721255		193109885
59	Bangladesh	ER	782	10652952	134712386	9104602	16277271	22014225			192761436
60	BRBCL Nabinagar	ER								6171484	6171484
61	NPGC Nabinagar	ER								10635548	10635548

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			
62	Arunachal Pradesh	NER	288	4117352	49543912	3348449	5986381	8836917	13389569		85222581
63	Assam	NER	1623	108429256	279473388	18888345	33768714	49848366	22257883	1008150	513674101
64	Manipur	NER	237	9971643	40858878	2761467	4936970	7287808	4004755		69821520
65	Meghalaya	NER	336	14825024	57897698	3913044	6995767	10326943	381869		94340345
66	Mizoram	NER	136	5548336	23485141	1587255	2837705	4188935	1532249	3970562	43150183
67	Nagaland	NER	170	7427399	29277854	1978758	3537637	5222154	24468490		71912294
68	Tripura	NER	353	4434804	60823017	4110753	7349233	10848718	24305846		111872373
Total			103883.5	8752984076	17885714397	1208814728	2161127298	2653970002	1828272448	608419018	35099301967

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	300	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 05.09.2021 12MW: 14.10.2021 12MW: 24.10.2021 21 MW: 31.10.2021	30.11.2019	0	1085271	Charges computed corresponding to 45MW for 13 days, corresponding to 33MW for 10 days and corresponding to 12MW for 07 days

Transmission Charges for Short Term Open Access (STOA)

S.No.	State	Region	STOA rate (paise/kWh)
1	Delhi	NR	41.12
2	UP	NR	48.49
3	Punjab	NR	42.45
4	Haryana	NR	53.22
5	Chandigarh	NR	38.29
6	Rajasthan	NR	63.02
7	HP	NR	38.84
8	J&K	NR	39.93
9	Uttarakhand	NR	46.69
10	Gujarat	WR	47.89
11	Madhya Pradesh	WR	44.80
12	Maharashtra	WR	52.18
13	Chattisgarh	WR	35.98
14	Goa	WR	43.21
15	Daman Diu	WR	44.67
16	Dadra Nagar Haveli	WR	48.19
17	Andhra Pradesh	SR	59.23
18	Telangana	SR	38.75
19	Tamil Nadu	SR	46.77
20	Kerala	SR	45.24
21	Karnataka	SR	47.65
22	Pondicherry	SR	39.54
23	Goa-SR	SR	30.43
24	West Bengal	ER	39.43
25	Odisha	ER	50.70
26	Bihar	ER	42.78
27	Jharkhand	ER	45.52
28	Sikkim	ER	38.00
29	DVC	ER	43.11
30	Bangladesh	ER	34.22
31	Arunachal Pradesh	NER	41.13
32	Assam	NER	43.87
33	Manipur	NER	40.86
34	Meghalaya	NER	38.96
35	Mizoram	NER	39.89
36	Nagaland	NER	58.73
37	Tripura	NER	43.98

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	10145.02	
2	Delhi	NR	5226.12	
3	Haryana	NR	3719.39	
4	Uttarakhand	NR	1269.38	
5	Punjab	NR	4288.13	
6	Rajasthan	NR	4254.37	
7	Himachal Pradesh	NR	1749.90	
8	Jammu & Kashmir	NR	2816.46	
9	Chandigarh	NR	284.13	
10	Noida Power Company Ltd, UP	NR	220.00	Uttar Pradesh
11	Railways_UP	NR	188.75	Uttar Pradesh
12	Railways_Haryana	NR	11.25	Haryana
13	Railways_Delhi	NR	3.75	Delhi
14	PG-Rihand	NR	0.74	Uttar Pradesh
15	PG-Dadri	NR	0.76	Uttar Pradesh
16	PG-Agra	NR	2.36	Uttar Pradesh
17	PG-Balia	NR	0.95	Uttar Pradesh
18	PG-Bhiwadi	NR	0.95	Rajasthan
19	PG-Kurukshetra	NR	3.30	Haryana
20	MB Power	NR	175.00	
21	WBSEDCL	NR	600.00	
22	GMR Kamalanga Energy Pvt. Ltd	NR	75.00	
23	Jorthang	NR	86.40	
24	Tashiding	NR	87.30	
25	Gujarat	WR	7520.09	
26	Madhya Pradesh	WR	7822.84	
27	Chhattisgarh	WR	2884.22	
28	Maharashtra	WR	7000.02	
29	GOA	WR	512.86	
30	Daman Diu	WR	446.29	
31	Dadra Nagar Haveli	WR	1032.82	
32	HVDC Bhadrawathi	WR	0.91	Maharashtra
33	HVDC Vindhyachal	WR	0.69	Madhya Pradesh
34	BARC Facility	WR	9.10	Maharashtra
35	Heavy Water Plant of DAE	WR	12.88	Gujarat
36	HVDC Champa	WR	3.19	Chhattisgarh
37	HVDC Raigarh	WR	1.88	Chhattisgarh
38	Railways_Gujarat	WR	101.25	Gujarat
39	Railways_MP	WR	200.50	Madhya Pradesh
40	Railways_Maharashtra	WR	90.00	Maharashtra
41	Railways_Chhattisgarh	WR	11.25	Chhattisgarh
42	ACB Ltd.	WR	23.00	
43	JINDAL	WR	125.00	

44	Spectrum Coal and Power	WR	27.50	
45	Torrent Power	WR	200.00	
46	DB Power	WR	186.00	
47	KSK Mahanadi	WR	400.00	
48	GMR Warora Energy Ltd, Maharashtra	WR	129.81	
49	CSPTCL	WR	261.00	
50	TRN Energy Pvt. Ltd.	WR	3.00	
51	Sembcorp Energy India Ltd	WR	115.00	
52	WBSEDCL	WR	400.00	
53	BIHAR	ER	4977.64	
54	JHARKHAND	ER	861.06	
55	DVC	ER	339.69	
56	ORISSA	ER	1796.17	
57	WEST BENGAL	ER	2642.06	
58	SIKKIM	ER	118.52	
59	Bangladesh	ER	782.43	
60	TATA Steel Ltd.	ER	200.00	DVC
61	Railways_Jharkhand	ER	70.00	Jharkhand
62	Railways_Bihar	ER	75.00	Bihar
63	Railways_DVC	ER	82.50	DVC
64	Railways_West Bengal	ER	33.75	West Bengal
65	HVDC Alipurduar	ER	1.41	West Bengal
66	POWERGRID PUSAULI	ER	0.91	Bihar
67	Andhra Pradesh	SR	1850.17	
68	Karnataka	SR	5428.12	
69	KSEB	SR	2760.90	
70	Tamil Nadu	SR	8415.31	
71	Telangana	SR	4356.61	
72	Puducherry	SR	518.69	
73	Goa	SR	88.57	
74	SAIL, Salem	SR	13.65	Tamil Nadu
75	Railways_Karnataka	SR	42.50	Karnataka
76	PG-HVDC Gazuwaka	SR	0.98	Andhra Pradesh
77	PG-HVDC Talcher	SR	1.50	Andhra Pradesh
78	PG-HVDC Kolar	SR	1.50	Karnataka
79	PG-HVDC Pugalur	SR	2.92	Tamil Nadu
80	PG-HVDC Thrissur	SR	1.11	Kerala
81	Sembcorp Energy India Ltd Project-I	SR	55.00	
82	Sembcorp Energy India Ltd Project-II	SR	490.00	
83	Arunachal Pradesh	NER	287.76	
84	Assam	NER	1621.87	
85	Manipur	NER	237.32	
86	Meghalaya	NER	336.28	
87	Mizoram	NER	136.41	
88	Nagaland	NER	170.05	
89	Tripura	NER	353.27	
90	PG-HVDC BNC	NER	1.37	Assam
TOTAL			103883.508	

***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 Oct'21

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Oct'21 (₹ Cr)	Equivalent MTC to be considered for Oct'21 (₹ Cr)	Remarks
1	Powergrid Corporation Of India Ltd	32219.71	32219.71	2736.47	As per data furnished by ISTS Licensee for Oct'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 Oct'21
3	Chhattisgarh-WR Transmission Limited.	165.00	165.00	14.01	As per data furnished by ISTS Licensee for Oct'21
4	Raipur Rajnandgaon-WR Transmission Limited.	219.74	219.74	18.66	As per data furnished by ISTS Licensee for Oct'21
5	Sipat Transmission Limited.	95.03	95.03	8.07	As per data furnished by ISTS Licensee for Oct'21
6	Western Transmission Gujarat Limited	55.57	55.57	4.72	As per data furnished by ISTS Licensee for Oct'21
7	Western Transco Power Limited	102.21	102.21	8.68	As per data furnished by ISTS Licensee for Oct'21
8	Alipurduar Transmission Limited	159.40	159.40	13.54	As per data furnished by ISTS Licensee for Oct'21
9	Fatehgarh-Bhadla Transmission Ltd.	48.09	48.09	4.08	As per data furnished by ISTS Licensee for Oct'21
10	North Karanpura Transco Limited	23.64	23.64	2.01	As per data furnished by ISTS Licensee for Oct'21
11	Bikaner-Khetri Transmission Limited	128.95	128.95	10.95	As per data furnished by ISTS Licensee for Oct'21
12	Aravali Power Company Private Limited	10.78	10.78	0.92	Data not furnished for Oct'21. Considered the same as in the earlier billing period.
13	Essar Power Transmission Company Limited	399.59	399.59	33.94	As per data furnished by ISTS Licensee for Oct'21
14	Essar Power Transmission Company Limited (NTPC Portion)	3.46	3.46	0.29	Data not furnished for Oct'21. 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 Oct'21
16	Kudgi Transmission Limited	196.29	196.29	16.67	As per data furnished by ISTS Licensee for Oct'21

17	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 Oct'21
18	Bhopal Dhule Transmission Company Ltd.	260.15528	260.16	22.10	As per data furnished by ISTS Licensee for Oct'21
19	East North Interconnection Company Limited	143.88841	143.89	12.22	As per data furnished by ISTS Licensee for Oct'21
20	Gurgaon Palwal Transmission Limited	144.15540	144.16	12.24	As per data furnished by ISTS Licensee for Oct'21
21	Jabalpur Transmission Company Limited	146.94973	146.95	12.48	As per data furnished by ISTS Licensee for Oct'21
22	Maheshwaram Transmission Limited	55.93152	55.93	4.75	As per data furnished by ISTS Licensee for Oct'21
23	Khargone Transmission Company Ltd.	103.55744	103.56	8.80	As per data furnished by ISTS Licensee for Oct'21
24	NRSS-XXIX Transmission Limited	501.97793	501.98	42.63	As per data furnished by ISTS Licensee for Oct'21
25	Odisha Generation Phase-II Transmission Limited	157.76474	157.76	13.40	As per data furnished by ISTS Licensee for Oct'21
26	Patran Transmission Company Limited	30.68693	30.69	2.61	As per data furnished by ISTS Licensee for Oct'21
27	Purulia & Kharagpur Transmission Company Limited	72.42253	72.42	6.15	As per data furnished by ISTS Licensee for Oct'21
28	Rapp Transmission Company Limited	44.02082	44.02	3.74	As per data furnished by ISTS Licensee for Oct'21
29	NER-II Transmission Limited	409.31555	409.32	34.76	As per data furnished by ISTS Licensee for Oct'21
30	Teestavalley Power Transmission Limited	289.56	289.56	24.59	As per data furnished by ISTS Licensee for Oct'21
31	Torrent Power Grid Limited	40.75	40.75	3.46	As per data furnished by ISTS Licensee for Oct'21
32	Darbhanga-Motihari Transmission Company Limited	119.03	119.03	10.11	Data not furnished for Oct'21. Considered the same as in the earlier billing period.
33	NRSS XXXI (B) Transmission Limited	90.76	90.76	7.71	Data not furnished for Oct'21. Considered the same as in the earlier billing period.
34	Jaypee Powergrid Limited	138.41	138.41	11.76	As per data furnished by ISTS Licensee for Oct'21
35	Kohima Mariani Transmission Limited	222.20	222.20	18.87	As per data furnished by ISTS Licensee for Oct'21
36	Raichur Sholapur Transmission Company Private Limited	35.20	35.20	2.99	As per data furnished by ISTS Licensee for Oct'21
37	Damodar Valley Corporation	137.08	0.00	0.00	Data furnished by ISTS Licensee for Oct'21. YTC has been considered as zero as per clause 13 (13) of the Sharing Regulations,2020

38	Powerlinks Transmission Limited	142.02	142.02	12.06	Data not furnished for Oct'21. Considered the same as in the earlier billing period.
39	NRSS XXXVI Transmission Limited	1.28	1.28	0.11	Data not furnished by ISTS Licensee for Oct'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.
40	Warora-Kurnool Transmission Limited	6.19	6.19	0.53	Data as furnished by ISTS Licensee for Oct'21 has been considered. Cost of 240 MVAR reactor with bays at Warora end is considered under the sharing mechanism
41	Powergrid Vizag Transmission Limited	285.64	285.64	24.26	As per data furnished by ISTS Licensee for Oct'21
42	Powergrid NM Transmission Limited	113.88	113.88	9.67	As per data furnished by ISTS Licensee for Oct'21
43	Powergrid Unchahar Transmission Limited	20.27	20.27	1.72	As per data furnished by ISTS Licensee for Oct'21
44	Powergrid Parli Transmission Limited	326.22	326.22	27.71	As per data furnished by ISTS Licensee for Oct'21
45	Powergrid Kala Amb Transmission Limited	70.578	70.58	5.99	As per data furnished by ISTS Licensee for Oct'21. Bilateral payment of HPSEB is also included in the claimed YTC
46	Powergrid Southern Interconnector Transmission System Limited	449.68	449.68	38.19	As per data furnished by ISTS Licensee for Oct'21
47	Powergrid Jabalpur Transmission Limited	243.68	243.68	20.70	As per data furnished by ISTS Licensee for Oct'21
48	Powergrid Warora Transmission Limited	364.20	364.20	30.93	As per data furnished by ISTS Licensee for Oct'21
49	Powergrid Medinipur Jeerat Transmission Limited	555.23	555.23	47.16	As per data furnished by ISTS Licensee for Oct'21
50	Powergrid Mithilanchal Transmission Limited	170.00	170.00	12.23	As per data furnished by ISTS Licensee for Oct'21. CoD of 2 assets is 17.10.2021. hence, charges of these assets considered for 15 days.
51	Powergrid Ajmer Phagi Transmission Limited	52.54	52.54	4.46	As per data furnished by ISTS Licensee for Oct'21
52	Powergrid Varanasi Transmissoin System Limited	116.97	116.97	9.93	As per data furnished by ISTS Licensee for Oct'21
53	Powergrid Fatehgarh Transmission Limited	61.60	61.60	5.23	As per data furnished by ISTS Licensee for Oct'21
54	Powergrid Khetri Transmission System Ltd.	104.72	104.72	8.03	As per data furnished by ISTS Licensee for Oct'21.CoD : 04.10.2021. hence, charges of these assets considered for 28 days.
55	North East Transmission Company Limited	351.53	351.53	29.86	Data not furnished for Oct'21, data furnished by ISTS Licensee for Mar'21 has been considered
56	Transmission Corporation Of Andhra Pradesh (APTRANSCO)	440.14	45.30	3.85	As per data furnished by ISTS Licensee for Oct'21. CERC approved ISTS lines are only considered as per Sharing Regulations 2020

57	Madhya Pradesh Power Transmission Co. Ltd.	12.54	12.54	1.06	As per data furnished for Oct'21.
58	Karnataka Power Transmission Corporation Limited	1.42	1.42	0.12	Data not furnished by ISTS Licensee for Oct'21. CERC Tariff Order dated 12.06.2019 has been considered
59	Delhi Transco Limited	3.12	3.12	0.26	Data not furnished by ISTS Licensee for Oct'21. Data as furnished by ISTS Licensee for Dec'20 has been considered.
60	Power Transmission Corporation Of Uttarakhand Ltd	46.75	46.75	3.97	Data furnished by ISTS Licensee for Oct'21. CERC Tariff Order dated 20.04.2018 , 22.06.2018 and 13.06.2021 have been considered.
61	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	6.37	0.54	Data not furnished by ISTS Licensee for Oct'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
62	Tamilnadu Transmission Corporation Limited	0.59	0.59	0.05	Data not furnished by ISTS Licensee for Oct'21. CERC Tariff 148/TT/2018 Order dated 16.11.2018 has been considered
63	Chhattisgarh State Power Transmission Company Ltd	0.75	0.75	0.06	Data not furnished for Oct'21. Considered the same as in the earlier billing period.
64	Himachal Pradesh Power Transmission Corporation Ltd	2.61	2.61	0.22	Data not furnished for Oct'21. Considered the same as in the earlier billing period.
65	Odisha Power Transmission Corporation Limited	9.80	9.67	0.82	Data not furnished by ISTS Licensee for Oct'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.
66	Uttarpradesh Power Transmission Corporation Limited	27.23	0.00	0.00	Data not furnished by ISTS Licensee for Oct'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
67	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for Oct'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
68	Gujarat Energy Transmission Corporation Limited	5.71	0.00	0.00	Data not furnished by ISTS Licensee for Oct'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
69	Maharashtra State Electricity Transmission Company Ltd	97.68	0.00	0.00	Data not furnished by ISTS Licensee for Oct'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	West Bengal State Electricity Transmission Company Ltd	32.05	0.00	0.00	Data not furnished by ISTS Licensee for Oct'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	Haryana Vidyut Prasaran Nigam Limited	8.09	0.00	0.00	Data furnished by ISTS Licensee for Oct'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
72	Assam Electricity Grid Corporation Limited	10.78	0.00	0.00	Data not furnished by ISTS Licensee for Oct'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
73	Meghalaya Power Transmission Corporation Limited	3.61	0.00	0.00	Data not furnished by ISTS Licensee for Oct'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
74	Kerala State Electricity Board	10.06	0.00	0.00	Data not furnished by ISTS Licensee for Oct'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 Oct'21
from the claimed assets of ISTS licensees (₹ Crores)

3509.93

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	1587263	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	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
6	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

7	02 Nos. 220 KV Line Bays (HPSEB Future Bays)					As per Regulation 13(12) of Sharing Regulations 2021
8	GIS substation 7X105 MVA (1-ph), 400/220 kV at Kala Amb (Himachal Pradesh) and LILO of Karcham Wangtoo - Abdullapur 400 kV D/C	Himachal Pradesh State Electricity Board (HPSEB)	NR	51225598	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2022
9	220kV, 2 Nos. Line bays at Jalandhar Substation	Punjab State Transmission Corporation Limited (PSTCL)	NR	1368429	Punjab	As per Regulation 13(12) of Sharing Regulations 2020
10	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
11	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
12	Extension of 400/220 kV Sikar Sub-station with 2 nos. 220 kV line bays					
13	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

14	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
15	One No. 220kv line Bays (207 no. Bay) associated with Baghpat GIS Substation					
16	2 nos. 220kV bays (#206 & 207) of Shahjahanpur (PG)- Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
17	1 no. 220 kV line bay (# 210) of Shahjahanpur (PG)- Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
18	400kV Srinagar Sub-station	Uttarakhand	NR	26928893	Uttarakhand	As per Regulation 13(12) of Sharing Regulations 2020
19	2X500MVA 400/230kV transformers along with associated bays and equipment at new 400/230kV (GIS) Tirunelveli Pooling Sub-station	Betam	SR	420049		As per Regulation 13(3) of Sharing Regulations 2020

20	Asset 1. Kalpakkam PFBR-Sirucheri 230 kV D/C Line, Asset 2. Kalpakkam PFBR - Arani 230 KV D/C Line,Asset3. 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
21	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
22	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
23	Thermal Powertech Corporation India Ltd Switchyard- Nellore PS 400kV D/c (quad)	Sembcorp Energy India Ltd Project-I	SR	116842		As per Regulation 13(9) of Sharing Regulations 2020
24	HVDC Mundra- Mahendergarh	Adani Power Limited	WR	344873892		--
25	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

26	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
27	MBPMPL TPS- Jabalpur PS 400 kV D/c (Triple) line	MB Power	WR	11610352		As per Regulation 13(9) of Sharing Regulations 2020
28	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
29	1 no. 220 kV line bays at 400/220 kV Indore substation					
30	1 no. 220 kV line bay at 400/220 kV Indore substation					
31	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
32	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
33	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
34	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

35	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.					
36	ICTs at 400/220 kV, 2x500 MVA Dhanbad sub-station	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	ER	9036420.38	Jharkhand	As per Regulation 13(12) of Sharing Regulations 2020

37	Bikaner (PG) – Khetri S/s 765kV D/c line	Power Grid Khetri Transmission System Ltd	NR	10598219	As per Regulation 13(12) of Sharing Regulations 2020
	765kV Bays at Bikaner (PG) & Khetri for Bikaner (PG)- Khetri S/s 765kV D/c line. (765kV line bays-4 nos.)				
	1x240 MVAR Switchable line reactor for each circuit at each end of Bikaner- Khetri 765kV D/c line along with reactor bays (1x240 MVAR Line reactor-4 nos., 765kV Reactor bay-4 nos.) 1x80 MVAR, 765 kV, 1-ph Reactor (spare unit) (For 2x240 MVAR line reactor on Bikaner-Khetri 765kV D/c line at Bikaner end)				

TOTAL

608419018

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

Annexure-VIII

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

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

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 operationalization	Exempted quantum in MW (as on Oct-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 Dec'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	210	No Billing for Dec'21 billing month. 10MW COD w.e.f 04.09.2021.
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 Dec'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 Dec'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 Dec'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 (NBPDCCL & SBPDCL)	300 MW:04.11.19	300	No Delayed part Billing for Dec'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 Dec'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 Dec'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 Dec'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 Dec'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:	37.5	LTA operaionalized on existing margin. No billing for Dec'21 Billing month. Already included in Format II G(2).

						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	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	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). SCEI declared COD from 22.10.2021 for additional 10 MW quantum.
18	Saurya Urja Company of Rajasthan Limited	NR	500	500	UPPCL-500 MW	500 MW: 27.10.19	500	No Delayed part Billing for Dec'21 billing month, due to Non availability of approved CERC tariff order for ATS.

19	Adani Renewable EnergyPark 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 Limited	SR	300	300	UP-300 MW	300 MW: 30.11.19	300	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 Dec'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 Dec'21 billing month. Already included in Format II G(2).
24	Avikiran Solar India Private Ltd.. (ASIPL)	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 Dec'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 NBPDCCL-207MW SBPDCL-243MW	01.06.2021	0	No Delayed part Billing for Dec'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	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.
28	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 Dec'21 billing month, due to Non availability of approved CERC tariff order for ATS.
29	Azure Power India Pvt. Ltd.	NR	130	130	MSEDCL	01.09.2021	130	
30	Tata Power Renewable Energy Ltd.	NR	150	150	MSEDCL	01.09.2021	150	
31	Azure Power India Pvt. Ltd.	NR	300	300	GRIDCO: 200MW BRPL: 100MW	01.09.2021	0	LTA was made effective vide CTU letter dated 26.08.2021
32	Azure Power India Pvt. Ltd.	NR	200	200	MPPMCL	01.09.2021	0	LTA was made effective vide CTU letter dated 26.08.2021
33	Azure Power India Pvt. Ltd.	NR	50	50	MPPMCL	01.09.2021	0	LTA was made effective vide CTU letter dated 26.08.2021
34	Renew Power Pvt Ltd	SR	300	300	SBPDCL: 162 MW NBPDC: 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	100.8	SECI declared COD for 10.5 MW from 12.10.2021, additional 10.5 MW from 20.10.2021 and 16.8 MW from 27.10.2021
Total			13140.1	12286.1			9464.0	

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