

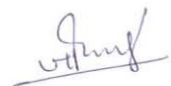
Notification of Transmission charges payable by DICs for Billing Month of September 2021

No: TC/08/2021

Date: 28.08.2021

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 **59th time block (14:30 Hrs to 14:45 Hrs) on 06th July, 2021** as a peak block for the billing period of July'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 20.08.2021 with last date of submission of comments as 22.08.2021. 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 15.08.2021 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.08.2021.
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 Sep'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 Sep'21 shall be used by RPCs for preparation of Regional Transmission Account (RTA) for the billing month of Sep'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 July'21 is given at **Annexure-VIII**.



(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 31.07.2021. Sipat Transmission Limited has submitted revised YTC on 09.08.2021. PowerGrid has submitted its YTC on 17.08.2021 and YTC of its SPV's on 18.08.2021. Himachal Pradesh Power Transmission Corporation has submitted YTC on 19.08.2021. 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 July'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 Transmission Gujarat Limited
7	Western Transco Power Limited
8	Alipurduar Transmission Limited
9	Aravali Power Company Private Limited
10	Fatehgarh Bhadla Transmission Limited
11	Warora-Kurnool Transmission Limited
12	Jindal Power Limited
13	Kudgi Transmission Limited
14	Parbati Koldam Transmission Company Limited (JV Of Rinfra And Powergrid Corporation Of India Limited)
15	Bhopal Dhule Transmission Company Ltd.
16	East North Interconnection Company Limited
17	Gurgaon Palwal Transmission Limited
18	Jabalpur Transmission Company Limited
19	Maheshwaram Transmission Limited
20	Khargone Transmission Company Ltd.
21	NRSS-XXIX Transmission Limited
22	Odisha Generation Phase-II Transmission Limited
23	Patran Transmission Company Limited
24	Purulia & Kharagpur Transmission Company Limited
25	Rapp Transmission Company Limited
26	NER-II Transmission Limited
27	Teestavalley Power Transmission Limited
28	Darbhanga-Motihari Transmission Company Limited
29	NRSS XXXI (B) Transmission Limited
30	Kohima Mariani Transmission Limited
31	Powerlinks Transmission Limited

Sl. No.	Name of ISTS Licensee
32	Powergrid Vizag Transmission Limited
33	Powergrid NM Transmission Limited
34	Powergrid Unchahar Transmission Limited
35	Powergrid Parli Transmission Limited
36	Powergrid Kala Amb Transmission Limited
37	Powergrid Southern Interconnector Transmission System Limited
38	Powergrid Jabalpur Transmission Limited
39	Powergrid Warora Transmission Limited
40	Powergrid Medinipur Jeerat Transmission Ltd
41	Damodar Valley Corporation
42	Transmission Corporation Of Andhra Pradesh (APTRANSCO)
43	Madhya Pradesh Power Transmission Co. Ltd.
44	Chhattisgarh State Power Transmission Company Ltd
45	Power Transmission Corporation of Uttarakhand Ltd
46	Torrent Power Grid Ltd.
47	Raichur Sholapur Transmission Company Pvt Ltd.
48	PowerGrid Mithilanchal Transmission Ltd.
49	PowerGrid Ajmer PhagiTransmission Ltd.
50	Himachal Pradesh Power Transmission Corporation 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 07.08.2021. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 19.08.2021. CTU has submitted data in formats II-D and II (G2) to II (G5) on 17.08.2021. CTU has submitted II-A, II-B, II-E and II-F on 19.08.2021. CTU has submitted the data in format II (C) on 21.08.2021, II (G1) on 23.08.2021. Subsequently, CTU has submitted revised format II (G4) on 25.08.2021(Evening).

3. As per Regulation 24(4) and NLDC notified Procedure for collection of data and information, DICs shall submit the required information to the Implementing Agency as stipulated in Formats III and IV for the billing period within 7 days after end of the billing period. The list of the DICs that have submitted the data by 07.08.2021 is as mentioned below:

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

7	DNH	Tuticorin TPP (NTPL)	ReNew Solar Power Private Limited (Bikaner)			
8	Hazira	IL&FS	ReNew Solar Power Private Limited (Bhadla)			
9	ACBIL	Amplus Pavagada 37&38				
10	Spectrum Power	Azure Power Earth Private Ltd. (Pavagada Solar Park)				
11	Maruti Coal Power	Adyah Solar Energy Pvt, Ltd. (Pavagada Solar Park) 1,2,3,6,10 &13				
12	BALCO	Fortum Finnsurya Energy Private Ltd. (Pavagada Solar Park)				
13	CGPL	Fortum Solar India Private Limited. (Pavagada Solar Park)				
14	DB Power Ltd.	Galiveedu (Karnal_P1, Hisar_P3 & Bhiwadi_P6)				
15	DGEN	Yarrow Infra Structure Private Ltd. (Pavagada Solar Park)				
16	Dhariwal	ReNew Wind Energy (TN2) Private Limited (Pavagada Solar Park)				
17	GMR Warora (EMCO)					
18	Raipur Energen (GMR Chhattisgarh)(GCEL)					
19	Jindal Stg-1					
20	JPL Stg-2					
21	Jhabua Power					
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)(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 July'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 July'21. For the ISTS licensees who have not submitted YTC data for July'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 July'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 computations.
- F. As per minutes of Validation Committee meeting held for 2020-21 Q2 PoC computations, for the assets of Essar Power transmission limited, combined tariff of LILO of 400kV Vindhyachal-Korba at Mahan, GIS S/s at Hazira and 400kV Hazira-Gandhar line) was being excluded from PoC computations in the absence of exclusive tariff of LILO of 400kV Vindhyachal-Korba at Mahan since 2020-21 Q2. As per CERC Order dated 04.06.2021 in I.A. No. 32/2021 in Petition No. 92/MP/2021, Exclusive tariff of 400kV Hazira-Gandhar Line and GIS S/s at Hazira has been approved and same has been considered for billing period July,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, computed transmission charges 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 of September'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	400785275	958438624	49852219	110224014	218456844	50708778		1788465753
2	UP	NR	10970	871335863	2010408782	104569386	231204503	458232323	142686872	5537449	3823975177
3	Punjab	NR	4288	445533601	785851907	40875295	90375898	179119166	116558475	1368429	1659682771
4	Haryana	NR	3734	731159434	684290650	35592688	78695975	155970316	201420602		1887129666
5	Chandigarh	NR	352	14918490	64544161	3357199	7422819	14711546	3118287		108072502
6	Rajasthan	NR	4255	466742014	779838754	40562526	89684363	177748589	101586409	4731195	1660893851
7	HP	NR	1750	20981674	320691088	16680424	36880670	73095096	31358103	52899598	552586652
8	J&K	NR	2303	48529085	422122799	21956292	48545695	96214418	53138464		690506752
9	Uttarakhand	NR	1218	110414666	223133869	11606083	25661227	50858886	39537648	29581049	490793429
10	ADHPL	NR	169	1592206	30963990	1610561	3560974	7057620			44785351
11	GMR Kamalanga	NR	75	3122944	13744669	714915	1580688	3132821			22296037
12	WBSEDCL_Inj	NR	600	0	109957350	5719321	12645505	25062571			153384747
13	MB Power	NR	175	27484964	32070894	1668135	3688272	7309916			72222182
14	Jorthang	NR	86.4	14738264	15833858	823582	1820953	3609010			36825668
15	Tashiding	NR	87.3	16548962	15998794	832161	1839921	3646604			38866443
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								1317534	1317534
20	Gujarat	WR	7127	560313759	1306046249	67932679	150200186	95989546	53986961	975778	2235445157
21	Madhya Pradesh	WR	8024	540877660	1470517748	76487498	169115022	108077590	122942595	4242248	2492260361
22	Maharashtra	WR	7100	993118999	1301170456	67679069	149639452	95631193	77627548		2684866717
23	Chhattisgarh	WR	2890	73587677	529553359	27544184	60900610	38920204	23132268		753638301
24	Goa	WR	513	45336917	93988652	4888725	10809045	6907817	11758441	1453413	175143010

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	22215510	81788376	4254140	9405968	6011142	17448056		141123192
26	Dadra Nagar Haveli	WR	1033	94758013	189276807	9845042	21767538	13911142	9851162		339409705
27	Jindal Power Limited	WR	125	92513660	22907781	1191525	2634480	1683637			120931084
28	Spectrum Coal & Power	WR	28	3643367	5039712	262136	579586	370400			9895201
29	ACB Ltd	WR	23	1484842	4215032	219241	484744	309789			6713648
30	Torrent Power	WR	200	8065874	36652450	1906440	4215168	2693819			53533752
31	Sembcorp Energy India Ltd Project-I	WR	115	9977588	21075159	1096203	2423722	1548946			36121617
32	DB Power	WR	186	33613907	34086779	1772989	3920107	2505252			75899033
33	TRN Energy Pvt. Ltd.	WR	3	254729	549787	28597	63228	40407			936747
34	CSPTCL	WR	261	0	47831447	2487905	5500795	3515434			59335580
35	WBSEDCL_Inj	WR	400	0	73304900	3812880	8430337	5387638			90935755
36	KSK Mahanadi	WR	400	12797592	73304900	3812880	8430337	5387638			103733347
37	GMR Warora Energy Ltd, Maharashtra	WR	200	8167296	36652450	1906440	4215168	2693819			53635174
38	MB Power	WR								12763640	12763640
39	Adani Power Limited	WR								344873892	344873892
40	Essar Steel	WR							13208787		13208787
41	MBPCL (Rongnichu HEP)	WR	5	565088	851283	44279	97901	62566			1621116
42	Andhra Pradesh	SR	1653	170104650	302921839	15756174	34837140	23632222	31651497		578903522
43	Telangana	SR	4258	165176771	780391229	40591263	89747900	60881643	32219272		1169008077
44	Tamil Nadu	SR	8279	347488538	1517278962	78919735	174492736	118369392	89588883		2326138247

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	Kerala	SR	2778	136207286	509138399	26482320	58552813	39720054	50920593		821021466
46	Karnataka	SR	5666	308137368	1038426787	54012722	119422951	81012095	105360098	3548778	1709920798
47	Pondicherry	SR	542	10371826	99350245	5167603	11425648	7750736	12480512		146546570
48	Goa-SR	SR	92	1327486	16931050	880651	1947134	1320863			22407185
49	Sembcorp Energy India Ltd Project-I	SR	55	4771890	10079424	524271	1159171	786339		665997	17987092
50	Sembcorp Energy India Ltd Project-II	SR	490	68110197	89798503	4670779	10327162	7005564		7195939	187108144
51	BHAVINI	SR								20469173	20469173
52	Betam	SR								693325	693325
53	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								255294	255294
54	West Bengal	ER	2540	121894784	465411387	24207904	53524044	68062207	48557327		781657652
55	Odisha	ER	1675	112945455	306924732	15964380	35297488	44884967	68576395		584593417
56	Bihar	ER	4592	209470974	841611096	43775553	96788413	123078013	160548565		1475272613
57	Jharkhand	ER	848	23907573	155318460	8078733	17862202	22713920	51937563	3839327	283657778
58	Sikkim	ER	103	997661	18874956	981762	2170690	2760292	2657981		28443341
59	DVC	ER	622	23865678	114024224	5930855	13113211	16675012	8424802		182033781
60	Bangladesh	ER	782	12881475	143390659	7458321	16490460	20969587			201190501
61	BRBCL Nabinagar	ER								6171484	6171484
62	NPGC Nabinagar	ER								18183356	18183356
63	NTPC Darlipalli	ER								7760447	7760447

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	Arunachal Pradesh	NER	288	12888306	52735568	2742987	6064787	8774223	14864840		98070711
65	Assam	NER	1623	141695453	297477271	15472980	34210995	49494715	23368764	1008150	562728328
66	Manipur	NER	237	12574009	43491037	2262142	5001631	7236104	4494522		75059446
67	Meghalaya	NER	336	16157033	61627510	3205493	7087393	10253678	706369		99037476
68	Mizoram	NER	136	7985612	24998071	1300249	2874871	4159217	1532249	3970562	46820831
69	Nagaland	NER	170	11017866	31163955	1620962	3583971	5185106	25303630		77875490
70	Tripura	NER	353	9171923	64741281	3367452	7445489	10771752	24777745		120275642
		Total	102491	7604329734	18782810161	976968931	2160093172	2601371401	1832716423	568794391	34527084213

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	228	60 MW : 28.03.2021 93 MW : 01.04.2021 39 MW : 05.07.2021 36 MW : 14.07.2021	30.11.2019	72	2588449	
2	Madhya Bharat Power Corporation Limited	Sikkim	112.98	113	112.98	U1: 26.06.2021 U2: 04.07.2021	31.01.2021	0	150973	As CoD of Unit -2: 04.07.2021, Charges computed for 3 days

Transmission Charges for Short Term Open Access (STOA)

S.No.	State	Region	STOA rate (paise/kWh)
1	Delhi	NR	47.50
2	UP	NR	48.34
3	Punjab	NR	53.71
4	Haryana	NR	70.19
5	Chandigarh	NR	42.62
6	Rajasthan	NR	54.06
7	HP	NR	39.66
8	J&K	NR	41.64
9	Uttarakhand	NR	52.61
10	Gujarat	WR	43.55
11	Madhya Pradesh	WR	43.06
12	Maharashtra	WR	52.52
13	Chhattisgarh	WR	36.22
14	Goa	WR	47.04
15	Daman Diu	WR	43.92
16	Dadra Nagar Haveli	WR	45.64
17	Andhra Pradesh	SR	48.64
18	Telangana	SR	38.13
19	Tamil Nadu	SR	39.02
20	Kerala	SR	41.04
21	Karnataka	SR	41.83
22	Pondicherry	SR	37.54
23	Goa-SR	SR	33.69
24	West Bengal	ER	42.75
25	Odisha	ER	48.48
26	Bihar	ER	44.62
27	Jharkhand	ER	45.86
28	Sikkim	ER	38.36
29	DVC	ER	40.63
30	Bangladesh	ER	35.71
31	Arunachal Pradesh	NER	47.33
32	Assam	NER	48.06
33	Manipur	NER	43.93
34	Meghalaya	NER	40.90
35	Mizoram	NER	43.63
36	Nagaland	NER	63.60
37	Tripura	NER	47.29

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	10556.57	
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	168.96	
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	7012.52	
27	Madhya Pradesh	WR	7822.93	
28	Chhattisgarh	WR	2873.28	
29	Maharashtra	WR	7000.04	
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	MBPCL (Rongnichu HEP)	WR	4.65	
55	BIHAR	ER	4516.48	
56	JHARKHAND	ER	777.52	
57	DVC	ER	339.69	
58	ORISSA	ER	1674.78	
59	WEST BENGAL	ER	2504.44	
60	SIKKIM	ER	102.99	
61	Bangladesh	ER	782.43	
62	TATA Steel Ltd.	ER	200.00	DVC
63	Railways Jharkhand	ER	70.00	Jharkhand
64	Railways Bihar	ER	75.00	Bihar
65	Railways DVC	ER	82.50	DVC
66	Railways West Bengal	ER	33.75	West Bengal
67	HVDC Alipurduar	ER	1.41	West Bengal
68	POWERGRID PUSAULI	ER	0.91	Bihar
69	Andhra Pradesh	SR	1650.47	
70	Karnataka	SR	5622.34	
71	KSEB	SR	2777.07	
72	Tamil Nadu	SR	8262.71	
73	Telangana	SR	4258.33	
74	Puducherry	SR	542.12	
75	Goa	SR	92.39	
76	SAIL, Salem	SR	13.65	Tamil Nadu
77	Railways Karnataka	SR	42.50	Karnataka
78	PG-HVDC Gazuwaka	SR	0.98	Andhra Pradesh
79	PG-HVDC Talcher	SR	1.50	Andhra Pradesh
80	PG-HVDC Kolar	SR	1.50	Karnataka
81	PG-HVDC Pugalur	SR	2.92	Tamil Nadu
82	PG-HVDC Thrissur	SR	1.13	Kerala
83	Sembcorp Energy India Ltd Project-I	SR	55.00	
84	Sembcorp Energy India Ltd Project-II	SR	490.00	
85	Arunachal Pradesh	NER	287.76	
86	Assam	NER	1621.87	
87	Manipur	NER	237.32	
88	Meghalaya	NER	336.28	
89	Mizoram	NER	136.41	
90	Nagaland	NER	170.05	
91	Tripura	NER	353.27	
92	PG-HVDC BNC	NER	1.37	Assam

TOTAL

102491.43

***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 July'21

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for July'21 (₹ Cr)	Equivalent MTC to be considered for July'21 (₹ Cr)	Remarks
1	POWERGRID	32235.99	32235.99	2737.85	As per data furnished by ISTS Licensee for July'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 July'21
3	CHHATTISGARH-WR TRANSMISSION LIMITED.	165.00	165.00	14.01	As per data furnished by ISTS Licensee for July'21
4	RAIPUR RAJNANDGAON-WR TRANSMISSION LIMITED.	219.74	219.74	18.66	As per data furnished by ISTS Licensee for July'21
5	SIPAT TRANSMISSION LIMITED.	95.03	95.03	8.07	As per data furnished by ISTS Licensee for July'21
6	Western Transmission Gujarat Limited	55.57	55.57	4.72	As per data furnished by ISTS Licensee for July'21
7	Western Transco Power Limited	102.21	102.21	8.68	As per data furnished by ISTS Licensee for July'21
8	ALIPURDUAR TRANSMISSION LIMITED	159.40	159.40	13.54	As per data furnished by ISTS Licensee for July'21
9	Fatehgarh-Bhadla Transmission Ltd.	48.09	48.09	0.13	As per data furnished by ISTS Licensee for July'21; CoD 31.07.2021, hence charges considered for one day only.
10	ARAVALI POWER COMPANY PRIVATE LIMITED	12.77	12.77	1.08	As per data furnished by ISTS Licensee for July'21
11	Essar Power Transmission Company Limited	399.59	399.59	33.94	Data not furnished for July'21. Considered the same as in the earlier billing period.
12	Essar Power Transmission Company Limited (NTPC portion)	3.46	3.46	0.29	Data not furnished for July'21. Considered the same as in the earlier billing period.
13	Jindal Power Limited	19.12	19.12	1.62	As per data furnished by ISTS Licensee for July'21
14	Kudgi Transmission Limited	196.29	196.29	16.67	As per data furnished by ISTS Licensee for July'21

15	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 July'21
16	BHOPAL DHULE TRANSMISSION COMPANY LTD.	259.99775	260.00	22.08	As per data furnished by ISTS Licensee for July'21
17	EAST NORTH INTERCONNECTION COMPANY LIMITED	143.70253	143.70	12.20	As per data furnished by ISTS Licensee for July'21
18	GURGAON PALWAL TRANSMISSION LIMITED	144.12706	144.13	12.24	As per data furnished by ISTS Licensee for July'21
19	JABALPUR TRANSMISSION COMPANY LIMITED	146.88611	146.89	12.48	As per data furnished by ISTS Licensee for July'21
20	MAHESHWARAM TRANSMISSION LIMITED	55.91733	55.92	4.75	As per data furnished by ISTS Licensee for July'21
21	KHARGONE TRANSMISSION COMPANY LTD.	103.54182	103.54	8.79	As per data furnished by ISTS Licensee for July'21
22	NRSS-XXIX TRANSMISSION LIMITED	501.89242	501.89	42.63	As per data furnished by ISTS Licensee for July'21
23	ODISHA GENERATION PHASE-II TRANSMISSION LIMITED	157.73353	157.73	13.40	As per data furnished by ISTS Licensee for July'21
24	Patran Transmission Company Limited	30.67646	30.68	2.61	As per data furnished by ISTS Licensee for July'21
25	PURULIA & KHARAGPUR TRANSMISSION COMPANY LIMITED	72.40279	72.40	6.15	As per data furnished by ISTS Licensee for July'21
26	RAPP TRANSMISSION COMPANY LIMITED	44.00884	44.01	3.74	As per data furnished by ISTS Licensee for July'21
27	NER-II Transmission Limited	409.31555	409.32	34.76	As per data furnished by ISTS Licensee for July'21
28	Teestavalley Power Transmission Limited	289.56	289.56	24.59	As per data furnished by ISTS Licensee for July'21
29	Torrent Power Grid Limited	46.68	46.68	3.96	As per data furnished by ISTS Licensee for July'21
30	Darbhanga-Motihari Transmission Company Limited	119.03	119.03	10.11	As per data furnished by ISTS Licensee for July'21
31	NRSS XXXI (B) Transmission Limited	90.76	90.76	7.71	As per data furnished by ISTS Licensee for July'21
32	Jaypee Powergrid Limited	161.36	161.36	13.70	Data not furnished for July'21. Considered the same as in the earlier billing period.
33	KOHIMA MARIANI TRANSMISSION LIMITED	222.20	222.20	18.87	As per data furnished by ISTS Licensee for July'21
34	RAICHUR SHOLAPUR TRANSMISSION COMPANY PRIVATE LIMITED	35.20	35.20	2.99	As per data furnished by ISTS Licensee for July'21

35	DAMODAR VALLEY CORPORATION	137.08	0	0	Data furnished by ISTS Licensee for July'21. YTC has been considered as zero as per clause 13 (13) of the Sharing Regulations,2020
36	Powerlinks Transmission Limited	142.02	142.02	12.06	As per data furnished by ISTS Licensee for July'21
37	NRSS XXXVI Transmission Limited	1.28	1.28	0.11	Data not furnished by ISTS Licensee for July'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.
38	Warora-Kurnool Transmission Limited	6.19	6.19	0.53	Data as furnished by ISTS Licensee for July'21 has been considered. Cost of 240 MVAR reactor with bays at Warora end is considered under the sharing mechanism
39	POWERGRID VIZAG TRANSMISSION LIMITED	285.58	285.58	24.25	As per data furnished by ISTS Licensee for July'21
40	POWERGRID NM TRANSMISSION LIMITED	113.86	113.86	9.67	As per data furnished by ISTS Licensee for July'21
41	POWERGRID UNCHAHAR TRANSMISSION LIMITED	20.27	20.27	1.72	As per data furnished by ISTS Licensee for July'21
42	POWERGRID PARLI TRANSMISSION LIMITED	326.22	326.22	27.71	As per data furnished by ISTS Licensee for July'21
43	POWERGRID KALA AMB TRANSMISSION LIMITED	70.578	70.58	5.99	As per data furnished by ISTS Licensee for July'21. Bilateral payment of HPSEB is also included in the claimed YTC
44	POWERGRID Southern Interconnector Transmission System Limited	449.68	449.68	38.19	As per data furnished by ISTS Licensee for July'21
45	POWERGRID JABALPUR TRANSMISSION LIMITED	243.68	243.68	20.70	As per data furnished by ISTS Licensee for July'21
46	POWERGRID WARORA TRANSMISSION LIMITED	364.20	364.20	30.93	As per data furnished by ISTS Licensee for July'21
47	POWERGRID MEDINIPUR JEERAT TRANSMISSION LIMITED	319.23	319.23	27.11	As per data furnished by ISTS Licensee for July'21
48	POWERGRID MITHILANCHAL TRANSMISSION LIMITED	119.73	119.73	10.17	As per data furnished by ISTS Licensee for July'21
49	POWERGRID AJMER PHAGI TRANSMISSION LIMITED	52.54	52.54	4.46	As per data furnished by ISTS Licensee for July'21
50	NORTH EAST TRANSMISSION COMPANY LIMITED	351.53	351.53	29.86	Data not furnished for July'21, data furnished by ISTS Licensee for Mar'21 has been considered

51	Transmission Corporation of Andhra Pradesh (APTRANSCO)	283.72	57.74	4.90	As per data furnished by ISTS Licensee for July'21. CERC approved ISTS lines are only considered as per Sharing Regulations 2020
52	Madhya Pradesh Power Transmission Co. Ltd.	12.54	12.54	1.06	As per data furnished by ISTS Licensee for July'21
53	KARNATAKA POWER TRANSMISSION CORPORATION LIMITED	1.42	1.42	0.12	Data not furnished by ISTS Licensee for July'21. CERC Tariff Order dated 12.06.2019 has been considered
54	DELHI TRANSCO LIMITED	3.12	3.12	0.26	Data not furnished by ISTS Licensee for July'21. Data as furnished by ISTS Licensee for Dec'20 has been considered.
55	Power Transmission Corporation of Uttarakhand Ltd	46.75	46.75	3.97	As per data furnished by ISTS Licensee for July'21. CERC Tariff Order dated 20.04.2018 , 22.06.2018 and 13.06.2021 have been considered.
56	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	6.37	0.54	Data not furnished by ISTS Licensee for July'21. Data as furnished by ISTS Licensee for Jan'21 has been considered. RPC certified non-ISTS as ISTS has not been considered as per clause 13 (13) of Sharing Regulations,2020
57	TAMILNADU TRANSMISSION CORPORATION LIMITED	0.59	0.59	0.05	Data not furnished by ISTS Licensee for July'21. CERC Tariff 148/TT/2018 Order dated 16.11.2018 has been considered
58	CHHATTISGARH STATE POWER TRANSMISSION COMPANY LTD	0.75	0.75	0.06	As per data furnished by ISTS Licensee for July'21
59	HIMACHAL PRADESH POWER TRANSMISSION CORPORATION LTD	2.61	2.61	0.22	As per data furnished by ISTS Licensee for July'21
60	ODISHA POWER TRANSMISSION CORPORATION LIMITED	9.80	9.67	0.82	Data not furnished by ISTS Licensee for July'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.
61	Uttarpradesh Power Transmission Corporation Limited (UPPTCL)	27.23	0.00	0.00	Data not furnished by ISTS Licensee for July'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.
62	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for July'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

63	Gujarat Energy Transmission Corporation Limited(GETCO)	5.71	0.00	0.00	Data not furnished by ISTS Licensee for July'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	Maharashtra State Electricity Transmission Company Ltd (MAHATRANSCO)	97.68	0.00	0.00	Data not furnished by ISTS Licensee for July'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	West Bengal State Electricity Transmission Company Ltd (WBSETCL)	32.05	0.00	0.00	Data not furnished by ISTS Licensee for July'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	Haryana Vidyut Prasaran Nigam Limited (HVPNL)	8.09	0.00	0.00	Data not furnished by ISTS Licensee for July'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	Assam Electricity Grid Corporation Limited(AEGCL)	10.78	0.00	0.00	Data not furnished by ISTS Licensee for July'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	Meghalaya Power Transmission Corporation Limited (MePTCL)	3.61	0.00	0.00	Data not furnished by ISTS Licensee for July'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	Kerala State Electricity Board (KSEB)	10.06	0.00	0.00	Data not furnished by ISTS Licensee for July'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

TOTAL MTC considered for the billing period July'21
from the claimed assets of ISTS licensees (₹ Crores)

3452.71

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	18183356		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 Jalandhar 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	693325		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 no. 400kV Line bays at Palatana GBPP Switchyard for Termination of Palatana- Surajmaninagar 400kV D/C Line.	PowerGrid Corportaion of India Ltd	NER	0		As per Regulation 13(12) of Sharing Regulations 2020
33	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

34	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
35	04 Nos. 220 kV bays at Dehradun Sub-station	Power Transmission Corporation Of Uttarakhand Limited	NR	2652156.16	Uttrakhand	As per Regulation 13(12) of Sharing Regulations 2020
36	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
37	Establishment of 400 kV Pooling Station at Fatehgarh	Adani Renewable Energy Park Rajasthan Limited	NR	1317534.25		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.					

TOTAL

568794391

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 July'21

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

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 Jul-21)	Remarks
Rewa Ultra Mega Solar Power Development	WR	750	750	MP-651 MW, DMRC-99 MW	490MW:07.07.18; 260 MW:13.04.19	750	No Billing for Sep'21 billing month
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 Sep'21 billing month
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 Sep'21 billing month
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 Sep'21 billing month
ReNew Power Limited	WR	50	50	UHBVN & DHBVN - 50MW	50MW:23.11.19	0	Operationalized with the commissioning of common Transmission system vide CTU letter dated 20.11.2019

Green Infra Wind Energy Ltd.	WR	250	250	Assam (APDCL) - 50 MW, GRIDCO Ltd.- 100 MW, Jharkhand (JBVNL)- 100 MW	151.2MW:14.04.19; 98.8 MW: 04.11.19	250	No Billing for Sep'21 billing month
Green Infra Wind Energy Ltd.	WR	300	300	PSPCL -200 MW, Bihar DISCOMs: 100 MW (NBPDC & SBPDCL)	300 MW: 04.11.19	300	No Billing for Sep'21 billing month
Adani Green Energy MP Ltd. (AGEMPL Dayapar)	WR	100	100	UPPCL - 40 MW, NPCL - 10 MW, PSPCL - 50 MW	100 MW: 04.11.19	100	No Billing for Sep'21 billing month
SEI Sunshine	WR	180	180	TPDDL-180 MW	90 MW:18.11.19; 90 MW: 01.04.20	180	No Billing for Sep'21 billing month
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 Sep'21 billing month, due to Non availability of approved CERC tariff order for ATS. Already included in Format II G(2).

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; 0; 100 MW: 20.09.20; 20: 03.12.20; 40: 10.12.20; 43.75: 20.12.20 4.375: 27.01.21 4.375: 19.02.21	262.5	No Billing for Sep'21 billing month. 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	No Billing for Sep'21 billing month. Already included in Format II G(2).
Mytrah Energy (India) Pvt Ltd (GEC-I Corridor)	SR	250	250	UPPCL -100 MW, Jharkhand -50 MW, Bihar - 50 MW, Assam - 50 MW	75MW: 10.06.18; 50MW: 30.09.18; 125MW: 01.12.18;	250	No Billing for Sep'21 billing month
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)
Karnataka Solar Power development Corporation Ltd	SR	2050	2050	Karnataka-1850 MW, UPPCL-200 MW	600MW: 12.07.18; 400MW: 28.09.18; 200MW: 30.12.19; 850 MW: 03.05.20	2050	No Billing for Sep'21 billing month
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 Billing for Sep'21 billing month

Orange Sironj Power Pvt. Ltd.	SR	200	200	Bihar - 100 MW, Haryana - 100 MW	200 MW: 22.02.19	200	No Billing for Sep'21 billing month
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	186.2	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).
Saurya Urja Company of Rajasthan Limited	NR	500	500	UPPCL-500 MW	500 MW: 27.10.19	500	No Delayed part Billing for Sep'21 billing month, due to Non availability of approved CERC tariff order for ATS.
Adani Renewable EnergyPark Rajasthan Ltd.	NR	250	250	UPPCL-250 MW	250 MW: 27.10.19	250	No Billing for Sep'21 billing month
NTPC Ltd. (Auraiya Solar)	NR	20	20	UPPCL-20MW	15MW: 25.10.2020 5MW: 30.11.2020	20	No Billing for Sep'21 billing month
Sprng Renewable Energy Pvt Limited	SR	300	300	UP-300 MW	300 MW: 30.11.19	228	Already included in Format II G(3)
Adani Wind Energy Kutchh Three Limited	WR	250	250	Chandigarh Administration , UT, Chandigarh 40MW Uttar Pradesh Power Corporation Ltd 85MW Kerala State Electricity Board Ltd 75MW GRIDCO LTD. 50MW	115 MW: 05.02.2021 30.5 MW: 15.03.2021 43.8 MW: 08.04.2021 28.5 MW: 05.05.2021 32.2 MW: 09.05.2021	250	No Billing for Sep'21 billing month. Already included in Format II G(2)

Continuum Power Trading (TN) Pvt. Ltd	WR	50	50	MPPMCL	15.02.2021	50	32MW RE Capacity commissioned wef 12/4/21 18MW RE Capacity commissioned wef 22/4/21 No Billing for Sep'21 billing month. Already included in Format II G(2).
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
Essel Saurya Urja Company of Rajasthan Ltd.	NR	750	750	PSPCL-300MW NBPDCL-207MW SBPDCL-243MW	01.06.2021	0	LTA made effective vide letter dated 19.05.2021 but generation is delayed
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.
Mahoba Solar (UP) Pvt. Ltd	NR	200	200	MSEDCL	26.10.2019	200	MTOA operational upto 25-Jun-2021.
Azure Power India Pvt. Ltd	NR	130	130	MSEDCL	26.10.2019	130	MTOA operational upto 25-Aug-2022.
Tata Power Renewable Energy Ltd	NR	150	150	MSEDCL	26.10.2019	150	MTOA operational upto 31-Aug-2024.

