

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 November, 2021

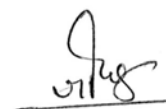
No: TC/10/2021

Date: 28.10.2021

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 **78th time block (19:15 Hrs to 19:30 Hrs) on 06th Sep,2021** as a peak block for the billing period of Sep'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 18.10.2021 with last date of submission of comments as 20.10.2021. 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 15.10.2021 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.10.2021.
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 Nov'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 Nov'21 shall be used by RPCs for preparation of Regional Transmission Account (RTA) for the billing month of Nov'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 Sep'21 is given at **Annexure-VIII**.



(जी चक्रवर्ती)

मुख्य महाप्रबंधक/ रा. भा. प्रे. के

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

1. As per Regulation 24(1) of Sharing Regulations 2020, some of the ISTS Licensees have submitted YTC data by 30.09.2021. Khargone Transmission Limited has submitted YTC on 05.10.2021. Bikaner-Khetri Transmission Limited has submitted format I (C) on 18.10.2021. PowerGrid has submitted its YTC on 11.10.2021 and YTC of its SPV's on 13.10.2021. 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 Sep'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	Darbhanga-Motihari Transmission Company Limited
27	NRSS XXXI (B) Transmission Limited
28	Kohima Mariani Transmission Limited
29	Bikaner-Khetri Transmission Limited
30	Powergrid Vizag Transmission Limited

Sl. No.	Name of ISTS Licensee
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

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 07.10.2021. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 18.10.2021. CTU has submitted data in formats II-C on 08.10.2021, formats II-D and II (G2) to II (G5) on 21.10.2021 and formats II-A, II-B, II-E, II-F, II-(G1) on 26.10.2021.

3. As per Regulation 24(4) and NLDC notified Procedure for collection of data and information, DICs shall submit the required information to the Implementing Agency as stipulated in Formats III and IV for the billing period within 7 days after end of the billing period. The list of the DICs that have submitted the data by 07.10.2021 is as mentioned below:

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

7	DNH	Tuticorin TPP (NTPL)	BBMB			
8	Hazira	Amplus Pavagada 37&38	ReNew Solar Power Private Limited (Bikaner)			
9	ACBIL	Azure Power Earth Private Ltd. (Pavagada Solar Park)	ReNew Solar Power Private Limited (Bhadla)			
10	Spectrum Power	Adyah Solar Energy Pvt, Ltd. (Pavagada Solar Park) 1,2,3,6,10 &13				
11	Maruti Coal Power	Fortum Finnsurya Energy Private Ltd. (Pavagada Solar Park)				
12	BALCO	Fortum Solar India Private Limited. (Pavagada Solar Park)				
13	CGPL	Galiveedu (Karnal_P1, Hisar_P3 & Bhiwadi_P6)				
14	DB Power Ltd.	Yarrow Infra Structure Private Ltd. (Pavagada Solar Park)				
15	DGEN	ReNew Wind Energy (TN2) Private Limited (Pavagada Solar Park)				
16	Dhariwal					
17	GMR Warora (EMCO)					
18	Raipur Energen (GMR Chhattisgarh)(GCEL)(REL)					
19	Jindal Stg-1					

20	JPL Stg-2					
21	Jhabua Power					
22	JP Nigrie					
23	KAPS 1&2					
24	Raigarh Energy (Korba West) (REGL)					
25	KSK Mahanadi					
26	LANCO					
27	MB Power (Anuppur)					
28	Essar Mahan					
29	NSPCL Bhilai					
30	Ratnagiri Dabhol(RGPPL)					
31	RKM Power					
32	Sasan UMPP					
33	SKS Power					
34	SSP					
35	TAPS (3,4)					
36	TRN Energy					
37	TAPS (1,2)					
38	Naranpar_Ostro (wind)					
39	ACME RUMS					
40	Mahindra Renewables Pvt. Ltd. (RUMS)					
41	ARINSUM					
42	Bhuvad_Renew (wind)					
43	Vadwa_Green Infra(wind)(GIWEL)					
44	Roha Green infra					

	(wind)(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 Sep'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 Sep'21. For the ISTS licensees who have not submitted YTC data for Sep'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 Sep'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 Vindhychal-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 Vindhychal-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 Sep,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 November'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	388938557	887234074	50702086	105269151	211595889	52399535		1696139290
2	UP	NR	11026	979446500	1870458550	106889661	221927436	446084468	139505537	5358822	3769670974
3	Punjab	NR	4288	354445895	727469210	41572125	86313261	173493668	113053334	1324286	1497671779
4	Haryana	NR	3734	691206325	633453166	36199463	75158381	151071842	197971771		1785060948
5	Chandigarh	NR	352	9581597	59749031	3414432	7089144	14249508	3017697		97101409
6	Rajasthan	NR	4255	678037901	721902788	41254025	85652812	172166136	98309428	4578575	1801901666
7	HP	NR	1750	20251880	296866229	16964787	35222786	70799438	30346552	51193159	521644831
8	J&K	NR	2303	57272739	390762807	22330623	46363491	93192773	50126285		660048717
9	Uttarakhand	NR	1218	82990647	206556755	11803941	24507686	49261589	38262240	28626822	442009679
10	GMR Kamalanga	NR	75	6986402	12723547	727103	1509632	3034431			24981114
11	WBSEDCL_Inj	NR	600	0	101788373	5816822	12077056	24275444			143957695
12	MB Power	NR	175	27832261	29688275	1696573	3522475	7080338			69819922
13	Jorthang	NR	86.4	11890030	14657526	837622	1739096	3495664			32619938
14	Tashiding	NR	87.3	13165132	14810208	846348	1757212	3532077			34110976
15	Northern Railways	NR							2543214		2543214
16	North Central Railways	NR							1981331		1981331
17	RAPP 7&8, NPCIL	NR								34150000	34150000
18	Adani Renewable Energy Park Rajasthan Limited	NR								39526027	39526027
19	Power Grid Khetri Transmission System Ltd	NR								95383973	95383973
20	Gujarat	WR	7532	882546259	1277792580	73021033	151608401	103051269	52245446	944301	2541209290
21	Madhya Pradesh	WR	8024	674659285	1361269037	77791398	161512773	109783469	118976705	4105401	2508098068
22	Maharashtra	WR	7100	724967558	1204501517	68832725	142912513	97140500	76010336		2314365149

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	89530154	492066830	28119766	58383079	39684149	22386066		730170043
24	Goa	WR	513	42639215	87006107	4972071	10323160	7016859	11379136	1406529	164743077
25	Daman Diu	WR	446	24054581	75712134	4326663	8983145	6106024	16885215		136067762
26	Dadra Nagar Haveli	WR	1033	105559713	175215010	10012878	20789029	14130720	9533382		335240732
27	Jindal Power Limited	WR	125	69560400	21205911	1211838	2516053	1710212			96204414
28	Spectrum Coal & Power	WR	28	9698765	4665300	266604	553532	376247			15560448
29	ACB Ltd	WR	23	1244843	3901888	222978	462954	314679			6147342
30	Torrent Power	WR	200	8206000	33929458	1938941	4025685	2736339			50836423
31	Sembcorp Energy India Ltd Project-I	WR	115	9286599	19509438	1114891	2314769	1573395			33799092
32	DB Power	WR	186	35659286	31554396	1803215	3743887	2544795			75305579
33	TRN Energy Pvt. Ltd.	WR	3	0	508942	29084	60385	41045			639456
34	CSPTCL	WR	261	0	44277942	2530318	5253519	3570922			55632701
35	WBSEDCL_Inj	WR	400	0	67858915	3877881	8051371	5472678			85260845
36	KSK Mahanadi	WR	400	36624018	67858915	3877881	8051371	5472678			121884864
37	GMR Warora Energy Ltd, Maharashtra	WR	200	7731016	33929458	1938941	4025685	2736339			50361439
38	MB Power	WR								12351910	12351910
39	Adani Power Limited	WR								333748928	333748928
40	ArcelorMittal and Nippon Steel	WR							12782697		12782697
41	Andhra Pradesh	SR	1663	185392413	282117295	16121941	33472844	22753466	29655960		569513919
42	Telangana	SR	4263	75305931	723146290	41325087	85800352	58323558	31136883		1015038099

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	8623	452538993	1462857513	83596797	173566111	117983119	86698919		2377241452
44	Kerala	SR	2785	131276953	472420175	26997034	56052030	38101869	49277993		774126053
45	Karnataka	SR	5523	318200753	936981624	53544971	111171632	75569912	100317713	3434301	1599220907
46	Pondicherry	SR	538	14785303	91344657	5220003	10837923	7367175	12077915		141632975
47	Goa-SR	SR	88	1919632	14886904	850730	1766311	1200666			20624244
48	Sembcorp Energy India Ltd Project-I	SR	55	4441417	9330601	533209	1107063	752536		644513	16809340
49	Sembcorp Energy India Ltd Project-II	SR	490	66237370	83127171	4750405	9862929	6704414		6963812	177646101
50	BHAVINI	SR								19808877	19808877
51	Betam	SR								524187	524187
52	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								247059	247059
53	West Bengal	ER	2677	179244622	454182641	25954827	53888170	69645444	47002785		829918490
54	Odisha	ER	1828	81287347	310134369	17723011	36797033	47556740	66397294		559895795
55	Bihar	ER	5054	278103761	857321900	48992718	101720111	131463774	152499591		1570101854
56	Jharkhand	ER	931	33242955	157951048	9026308	18740683	24220589	48834710	10837946	302854239
57	Sikkim	ER	119	1018779	20106053	1148985	2385557	3083110	2572240		30314723
58	DVC	ER	622	30076498	105553109	6031963	12523737	16185764	8153034		178524106
59	Bangladesh	ER	782	11576416	132737846	7585468	15749170	20354336			188003236
60	BRBCL Nabinagar	ER								5972404	5972404
61	NPGC Nabinagar	ER								10292466	10292466

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	1554446	48817725	2789749	5792159	8551855	12957648		80463581
63	Assam	NER	1623	82087356	275377019	15736759	32673119	48240354	21539887	975629	476630124
64	Manipur	NER	237	6891662	40259990	2300707	4776795	7052717	3875569		65157440
65	Meghalaya	NER	336	7671711	57049065	3260139	6768796	9993815	369551		85113077
66	Mizoram	NER	136	5171485	23140909	1322416	2745638	4053808	1482821	3842479	41759557
67	Nagaland	NER	170	4328208	28848715	1648595	3422862	5053698	23679184		66981263
68	Tripura	NER	353	4223569	59931507	3424860	7110794	10498760	23521787		108711276
Total			103854	8020591139	17618508440	1006831399	2090412747	2561507062	1769767392	676242407	33743860586

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

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

Sl.No.	Name of Generating Station	State	Capacity	LTA granted	Commissioned capacity	Date of Commercial Operation	Date of LTA Operationalization	Delayed Capacity	Transmission Charges (₹)	Remarks
1	Sprng Renewable Energy Pvt Limited	Tamil Nadu	300	300	240	60 MW : 28.03.2021 93 MW : 01.04.2021 39 MW : 05.07.2021 36 MW : 14.07.2021 12 MW: 21.08.2021	30.11.2019	60	1654129	

Transmission Charges for Short Term Open Access (STOA)

S.No.	State	Region	STOA rate (paise/kWh)
1	Delhi	NR	45.04
2	UP	NR	47.42
3	Punjab	NR	48.47
4	Haryana	NR	66.40
5	Chandigarh	NR	38.29
6	Rajasthan	NR	58.66
7	HP	NR	37.34
8	J&K	NR	39.80
9	Uttarakhand	NR	47.15
10	Gujarat	WR	46.84
11	Madhya Pradesh	WR	43.34
12	Maharashtra	WR	45.27
13	Chhattisgarh	WR	34.96
14	Goa	WR	44.23
15	Daman Diu	WR	42.35
16	Dadra Nagar Haveli	WR	45.08
17	Andhra Pradesh	SR	47.57
18	Telangana	SR	33.07
19	Tamil Nadu	SR	38.29
20	Kerala	SR	38.61
21	Karnataka	SR	40.13
22	Pondicherry	SR	36.53
23	Goa-SR	SR	32.64
24	West Bengal	ER	43.05
25	Odisha	ER	42.54
26	Bihar	ER	43.15
27	Jharkhand	ER	43.56
28	Sikkim	ER	35.53
29	DVC	ER	39.85
30	Bangladesh	ER	33.37
31	Arunachal Pradesh	NER	38.84
32	Assam	NER	40.70
33	Manipur	NER	38.13
34	Meghalaya	NER	35.15
35	Mizoram	NER	38.61
36	Nagaland	NER	54.71
37	Tripura	NER	42.74

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

Sl.No.	Name of the DIC	Region	LTA/MTOA considered in the computations	Name of the state control area in which LTA/MTOA of specific DICs is included in the computations*
1	UP	NR	10612.02	
2	Delhi	NR	5226.12	
3	Haryana	NR	3719.39	
4	Uttarakhand	NR	1217.57	
5	Punjab	NR	4288.13	
6	Rajasthan	NR	4254.36	
7	Himachal Pradesh	NR	1749.90	
8	Jammu & Kashmir	NR	2303.38	
9	Chandigarh	NR	352.20	
10	Noida Power Company Ltd, UP	NR	220.00	Uttar Pradesh
11	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	7417.92	
26	Madhya Pradesh	WR	7822.92	
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 Bhadravathi	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	200.00	
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	1828.11	
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	1660.49	
68	Karnataka	SR	5479.12	
69	KSEB	SR	2783.61	
70	Tamil Nadu	SR	8606.37	
71	Telangana	SR	4262.65	
72	Puducherry	SR	538.44	
73	Goa	SR	87.75	
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			103853.758	

***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 Sep'21

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Sep'21 (₹ Cr)	Equivalent MTC to be considered for Sep'21 (₹ Cr)	Remarks
1	Powergrid Corporation of India Ltd	32265.47	32265.47	2651.96	As per data furnished by ISTS Licensee for Sep'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	63.50	As per data furnished by ISTS Licensee for Sep'21
3	Chhattisgarh-WR Transmission Limited.	165.00	165.00	13.56	As per data furnished by ISTS Licensee for Sep'21
4	Raipur Rajnandgaon-WR Transmission Limited.	219.74	219.74	18.06	As per data furnished by ISTS Licensee for Sep'21
5	Sipat Transmission Limited.	95.03	95.03	7.81	As per data furnished by ISTS Licensee for Sep'21
6	Western Transmission Gujarat Limited	55.57	55.57	4.57	As per data furnished by ISTS Licensee for Sep'21
7	Western Transco Power Limited	102.21	102.21	8.40	As per data furnished by ISTS Licensee for Sep'21
8	Alipurduar Transmission Limited	159.40	159.40	13.10	As per data furnished by ISTS Licensee for Sep'21
9	Fatehgarh-Bhadla Transmission Ltd.	48.09	48.09	3.95	As per data furnished by ISTS Licensee for Sep'21
10	North Karanpura Transco Limited	23.64	23.64	1.94	As per data furnished by ISTS Licensee for Sep'21
11	Bikaner-Khetri Transmission Limited	128.95	128.95	9.54	As per data furnished by ISTS Licensee for Sep'21. CoD: 04.09.2021, charges considered for 27 days.
12	Aravali Power Company Private Limited	10.78	10.78	0.89	As per data furnished by ISTS Licensee for Sep'21
13	Essar Power Transmission Company Limited	399.59	399.59	32.84	As per data furnished by ISTS Licensee for Sep'21
14	Essar Power Transmission Company Limited (NTPC Portion)	3.46	3.46	0.28	Data not furnished for Sep'21. Considered the same as in the earlier billing period.
15	Jindal Power Limited	19.12	19.12	1.57	As per data furnished by ISTS Licensee for Sep'21
16	Kudgi Transmission Limited	196.29	196.29	16.13	As per data furnished by ISTS Licensee for Sep'21
17	Parbati Koldam Transmission Company Limited (Jv Of Rinfra And Powergrid Corporation Of India Limited)	171.37	171.37	14.09	As per data furnished by ISTS Licensee for Sep'21

18	Bhopal Dhule Transmission Company Ltd.	259.99775	260.00	21.37	As per data furnished by ISTS Licensee for Sep'21
19	East North Interconnection Company Limited	143.70253	143.70	11.81	As per data furnished by ISTS Licensee for Sep'21
20	Gurgaon Palwal Transmission Limited	144.12706	144.13	11.85	As per data furnished by ISTS Licensee for Sep'21
21	Jabalpur Transmission Company Limited	146.88611	146.89	12.07	As per data furnished by ISTS Licensee for Sep'21
22	Maheshwaram Transmission Limited	55.91733	55.92	4.60	As per data furnished by ISTS Licensee for Sep'21
23	Khargone Transmission Company Ltd.	103.54182	103.54	8.51	As per data furnished by ISTS Licensee for Sep'21
24	NRSS-XXIX Transmission Limited	501.89242	501.89	41.25	As per data furnished by ISTS Licensee for Sep'21
25	Odisha Generation Phase-II Transmission Limited	157.73353	157.73	12.96	As per data furnished by ISTS Licensee for Sep'21
26	Patran Transmission Company Limited	30.67646	30.68	2.52	As per data furnished by ISTS Licensee for Sep'21
27	Purulia & Kharagpur Transmission Company Limited	72.40279	72.40	5.95	As per data furnished by ISTS Licensee for Sep'21
28	Rapp Transmission Company Limited	44.00884	44.01	3.62	As per data furnished by ISTS Licensee for Sep'21
29	NER-II Transmission Limited	409.31555	409.32	33.64	As per data furnished by ISTS Licensee for Sep'21
30	Teestavalley Power Transmission Limited	289.56	289.56	23.80	As per data furnished by ISTS Licensee for Sep'21
31	Torrent Power Grid Limited	40.75	40.75	3.35	As per data furnished by ISTS Licensee for Sep'21
32	Darbhanga-Motihari Transmission Company Limited	119.03	119.03	9.78	As per data furnished by ISTS Licensee for Sep'21
33	NRSS XXXI (B) Transmission Limited	90.76	90.76	7.46	As per data furnished by ISTS Licensee for Sep'21
34	Jaypee Powergrid Limited	161.36	161.36	13.26	Data not furnished for Sep'21. Considered the same as in the earlier billing period.
35	Kohima Mariani Transmission Limited	222.20	222.20	18.26	As per data furnished by ISTS Licensee for Sep'21
36	Raichur Sholapur Transmission Company Private Limited	35.20	35.20	2.89	As per data furnished by ISTS Licensee for Sep'21
37	Damodar Valley Corporation	137.08	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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	11.67	Data not furnished for Sep'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 Sep'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.
40	Warora-Kurnool Transmission Limited	6.19	6.19	0.51	Data as furnished by ISTS Licensee for Sep'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	285.62	285.62	23.48	As per data furnished by ISTS Licensee for Sep'21
42	Powergrid NM Transmission Limited	113.88	113.88	9.36	As per data furnished by ISTS Licensee for Sep'21
43	Powergrid Unchahar Transmission Limited	20.27	20.27	1.67	As per data furnished by ISTS Licensee for Sep'21
44	Powergrid Parli Transmission Limited	326.22	326.22	26.81	As per data furnished by ISTS Licensee for Sep'21
45	Powergrid Kala Amb Transmission Limited	70.578	70.58	5.80	As per data furnished by ISTS Licensee for Sep'21. Bilateral payment of HPSEB is also included in the claimed YTC
46	Powergrid Southern Interconnector Transmission System Limited	449.68	449.68	36.96	As per data furnished by ISTS Licensee for Sep'21
47	Powergrid Jabalpur Transmission Limited	243.68	243.68	20.03	As per data furnished by ISTS Licensee for Sep'21
48	Powergrid Warora Transmission Limited	364.20	364.20	29.93	As per data furnished by ISTS Licensee for Sep'21
49	Powergrid Medinipur Jeerat Transmission Limited	555.23	555.23	27.53	As per data furnished by ISTS Licensee for Sep'21.CoD of 4 assets is 29.09.2021. hence, charges of these assets considered for 2 days.
50	Powergrid Mithilanchal Transmission Limited	119.73	119.73	9.84	As per data furnished by ISTS Licensee for Sep'21
51	Powergrid Ajmer Phagi Transmission Limited	52.54	52.54	4.32	As per data furnished by ISTS Licensee for Sep'21
52	Powergrid Varanasi Transmissoin System Limited	116.97	116.97	9.61	As per data furnished by ISTS Licensee for Sep'21
53	Powergrid Fatehgarh Transmission Limited	61.60	61.60	5.06	As per data furnished by ISTS Licensee for Sep'21
54	North East Transmission Company Limited	351.53	351.53	28.89	Data not furnished for Sep'21, data furnished by ISTS Licensee for Mar'21 has been considered
55	Transmission Corporation Of Andhra Pradesh (APTRANSCO)	283.72	57.74	4.75	As per data furnished by ISTS Licensee for Sep'21. CERC approved ISTS lines are only considered as per Sharing Regulations 2020
56	Madhya Pradesh Power Transmision Co. Ltd.	12.54	12.54	1.03	As per data furnished by ISTS Licensee for Sep'21
57	Karnataka Power Transmission Corporation Limited	1.42	1.42	0.12	Data not furnished by ISTS Licensee for Sep'21. CERC Tariff Order dated 12.06.2019 has been considered
58	Delhi Transco Limited	3.12	3.12	0.26	Data not furnished by ISTS Licensee for Sep'21. Data as furnished by ISTS Licensee for Dec'20 has been considered.
59	Power Transmission Corporation Of Uttarakhand Ltd	46.75	46.75	3.84	Data not furnished by ISTS Licensee for Sep'21. CERC Tariff Order dated 20.04.2018 , 22.06.2018 and 13.06.2021 have been considered.
60	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	6.37	0.52	Data not furnished by ISTS Licensee for Sep'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

61	Tamilnadu Transmission Corporation Limited	0.59	0.59	0.05	Data not furnished by ISTS Licensee for Sep'21. CERC Tariff 148/TT/2018 Order dated 16.11.2018 has been considered
62	Chhattisgarh State Power Transmission Company Ltd	0.75	0.75	0.06	Data not furnished for Sep'21. Considered the same as in the earlier billing period.
63	Himachal Pradesh Power Transmission Corporation Ltd	2.61	2.61	0.21	Data not furnished for Sep'21. Considered the same as in the earlier billing period.
64	Odisha Power Transmission Corporation Limited	9.80	9.67	0.79	Data not furnished by ISTS Licensee for Sep'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.
65	Uttarpradesh Power Transmission Corporation Limited	27.23	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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
66	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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	Gujarat Energy Transmission Corporation Limited	5.71	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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	Maharashtra State Electricity Transmission Company Ltd	97.68	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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	West Bengal State Electricity Transmission Company Ltd	32.05	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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	Haryana Vidyut Prasaran Nigam Limited	8.09	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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	Assam Electricity Grid Corporation Limited	10.78	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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	Meghalaya Power Transmission Corporation Limited	3.61	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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	Kerala State Electricity Board	10.06	0.00	0.00	Data not furnished by ISTS Licensee for Sep'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 Sep'21
from the claimed assets of ISTS licensees (₹ Crores)

3374.39

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	5972404		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	2093023	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	10292466		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	3842479	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	1620000	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2020

7	02 Nos. 220 KV Line Bays (HPSEB Future Bays)	Himachal Pradesh State Electricity Board (HPSEB)	NR	49573159	Himachal Pradesh	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					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	1324286	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	1464658	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	3113918	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	34150000		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	5358822	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 S/S					
18	400kV Srinagar Sub-station	Uttarakhand	NR	26060219	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	524187		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, 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	19808877		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	811315	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	2622986	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	644513		As per Regulation 13(9) of Sharing Regulations 2020
24	HVDC Mundra- Mahendergarh	Adani Power Limited	WR	333748928		--
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	1406529	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	944301	Gujarat	As per Regulation 13(12) of Sharing Regulations 2021
27	MBPMPL TPS- Jabalpur PS 400 kV D/c (Triple) line	MB Power	WR	12351910		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	4105401	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	247059		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	975628.84	Assam	As per Regulation 13(12) of Sharing Regulations 2020

33	04 Nos. 220 kV bays at Dehradun Sub-station	Power Transmission Corporation Of Uttarakhand Limited	NR	2566602.74	Uttrakhand	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	6963812.28		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	39526027.40		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	8744922.95	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	95383973	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

676242407

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 Sep'21

(As furnished by CTU- cumulative till Sep'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 Sep-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 Nov'21 billing month
3	Inox Wind Infrastructure Services Limited	WR	500	500	Bihar -50 MW, Jharkhand -50 MW, UP - 200 MW, BRPL - 50 MW, Haryana - 150 MW	500MW: 14.04.2019	200	No Billing for Nov'21 billing month

4	ReNew Power Limited	WR	300	300	UP - 100 MW, PSPCL - 100 MW, GRIDCO - 50 MW, GOA - 50 MW	300MW: 01.05.19	230.1	No Billing for Nov'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 Nov'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:1 4.04.19; 98.8 MW: 04.11.19	250	No Delayed part Billing for Nov'21 billing month corresponding 98.8 MW ,due to Non availability of approved CERC tariff order for ATS.
7	Green Infra Wind Energy Ltd.	WR	300	300	PSPCL -200 MW, Bihar DISCOMs: 100 MW (NBPDC & SBPDCL)	300 MW: 04.11.19	300	No Delayed part Billing for Nov'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 Nov'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 Nov'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 Nov'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 Nov'21 billing month,due to Non availability of approved CERC tariff order for ATS. Already included in Format II G(2).
			37.5	37.5	GRIDCO	30: 10.12.2020 6.25: 20.12.2020 0.625: 27.01.21 0.625: 19.02.21	37.5	LTA operationalized on existing margin. No billing for Nov'21 Billing month. Already included in Format II G(2).
12	Mytrah Energy (India) Pvt Ltd (GEC-I Corridor)	SR	250	250	UPPCL -100 MW, Jharkhand -50 MW, Bihar - 50 MW, Assam - 50 MW	75MW: 10.06.18; 50MW: 30.09.18; 125MW: 01.12.18;	250	Further no billing on Mytrah as bills already been raised.
13	AP Solar Power Corporation Pvt Ltd (NP Kunta)	SR	1500	1500	Andhra Pradesh- 1500MW	250MW: 11.07.16; 750MW: 04.08.18; 500MW: 01.10.18;	1400	Already included in Format II G (1)

14	Karnataka Solar Power development Corporation Ltd	SR	2050	2050	Karnataka-1850 MW, UPPCL-200 MW	600MW: 12.07.18; 400MW: 28.09.18; 200MW: 30.12.19; 850 MW: 03.05.20	2050	Further no billing on KSPDCL as bills already been raised.
15	Green Infra Renewable Energy Ltd.	SR	249.9	249.9	UPPCL -99.9 MW, Jharkhand -50 MW, Bihar - 50 MW, BRPL - 50 MW	249.9 MW: 10.10.18	249.9	No delay. Hence, no billing.
16	Orange Sironj Power Pvt. Ltd.	SR	200	200	Bihar - 100 MW, Haryana - 100 MW	200 MW: 22.02.19	200	Further no billing on Orange Sironj as bills already been raised.
17	Betam Wind Energy Private Limited	SR	250.2	250.2	Bihar - 50.2 MW, Odisha- 100 MW, UPPCL -100 MW	250.2 MW:31.07.19	208.2	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 19.09.2021 for additional 12 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 Nov'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	255	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	115 MW: 05.02.2021 30.5 MW: 15.03.2021 43.8 MW: 08.04.2021 28.5 MW: 05.05.2021	250	No Billing for Nov'21 billing month. Already included in Format II G(2)

					Ltd 75MW GRIDCO LTD. 50MW	32.2 MW: 09.05.2021		
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 Nov'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 Nov'21 billing month, due to Non availability of tariff order for

								ATS.
25	Essel Saurya Urja Company of Rajasthan Ltd.	NR	750	750	PSPCL-300MW NBPDC-207MW SBPDCL-243MW	01.06.2021	0	No Delayed part Billing for Nov'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 Nov'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 NBPDCL: 138 MW	63 MW: 24.09.21	63	SECI declared COD from 25.09.2021 for 63 MW
Total			13140.1	12286.1			9361.2	

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