

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

**No: TC/12/2021**

**Date: 25.12.2021**

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 **74<sup>th</sup> time block (18:15 Hrs to 18:30 Hrs) on 2<sup>nd</sup> Nov,2021** as a peak block for the billing period of Nov'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 20.12.2021 with last date of submission of comments as 21.12.2021.
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 15.12.2021 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.12.2021.
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 Jan'22 mentioned as follows:
- a) Various components of the transmission charges determined have been added for each DIC in order to compute total transmission charges payable by the DIC.
  - b) The transmission charges are computed separately for both LTA/MTOA and STOA:
    - For LTA/MTOA billing in ₹: These charges are calculated only for withdrawal entities (withdrawal rates) and for generators having LTA to target region without identified beneficiaries.
    - For STOA billing in paise/kWh: These rates are calculated for all the states
  - c) The notified transmission charges payable by DICs for the billing month of Jan'22 shall be used by RPCs for preparation of Regional Transmission Account (RTA) for the billing month of Jan'22 considering regional DIC wise break up of LTA/MTOA enclosed along with this notification.
  - d) Transmission charges for STOA shall be payable by the generators and embedded entities located in the state as per the notified STOA rate of the state in which they are located.
  - e) The notified transmission charges for STOA bilateral transactions shall be applicable for the applications received on or after 00:00 Hrs of the next day (D+1) following the date of this notification (D). In the case of STOA collective transactions, both DAM and RTM, the notified transmission charges shall be applicable from the delivery day D+2 following the date of this notification.
  - f) The transmission charges payable by DICs for LTA/MTOA are given at **Annexure-III**.
  - g) The transmission rates applicable for STOA transactions are given at **Annexure-IV**.
  - h) Regional DIC wise break up of LTA/MTOA is given at **Annexure-V**.
  - i) ISTS licensee wise break up of Monthly Transmission Charges (MTC) is given at **Annexure-VI**.
  - j) Entity-wise details of bilateral billing are given separately at **Annexure-VII**.
  - k) LTA details of exempted Renewable Energy (RE) based generation for the billing period of Nov'21 is given at **Annexure-VIII**.



(जी चक्रवर्ती)

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**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 30.11.2021. Parbati Koldam Transmission Company Limited has submitted YTC on 01.12.2021. Darbhanga-Motihari Transmission Co. Ltd. and NRSS XXXI (B) Transmission Ltd. has submitted YTC on 01.12.2021. Power Transmission Corporation of Uttarakhand Limited has submitted YTC on 07.12.2021. Khargone Transmission Limited has submitted YTC on 07.12.2021. Powerlinks Transmission Limited has submitted YTC on 09.12.2021. PowerGrid has submitted its YTC and YTC of its SPV's on 17.12.2021. 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 Nov'21**

Sl. No.	Name of ISTS Licensee
1	Powergrid Corporation of India Ltd
2	Adani Transmission (India) Limited
3	Chhattisgarh-WR Transmission Ltd.
4	Raipur Rajnandgaon-WR Transmission Limited.
5	Sipat Transmission Limited.
6	Western Transmission Gujarat Limited
7	Western Transco Power Limited
8	Alipurduar Transmission Limited
9	Fatehgarh-Bhadla Transmission Ltd.
10	North Karanpura Transco Limited
11	Bikaner-Khetri Transmission Limited
12	Jindal Power Limited
13	Kudgi Transmission Limited
14	Parbati Koldam Transmission Company 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	Torrent Power Grid Limited
29	Darbhangamotihari Transmission Company Limited

Sl. No.	Name of ISTS Licensee
30	NRSS XXXI (B) Transmission Limited
31	Kohima Mariani Transmission Limited
32	Raichur Sholapur Transmission Company Private Limited
33	Powerlinks Transmission Limited
34	Warora-Kurnool Transmission Limited
35	Powergrid Vizag Transmission Limited
36	Powergrid NM Transmission Limited
37	Powergrid Unchahar Transmission Limited
38	Powergrid Parli Transmission Limited
39	Powergrid Kala Amb Transmission Limited
40	Powergrid Southern Interconnector Transmission System Limited
41	Powergrid Jabalpur Transmission Limited
42	Powergrid Warora Transmission Limited
43	Powergrid Medinipur Jeerat Transmission Limited
44	Powergrid Mithilanchal Transmission Limited
45	Powergrid Ajmer Phagi Transmission Limited
46	Powergrid Varanasi Transmissoin System Limited
47	Powergrid Fatehgarh Transmission Limited
48	Powergrid Khetri Transmission System Ltd.
49	Transmission Corporation of Andhra Pradesh (APTRANSCO)
50	Madhya Pradesh Power Transmision Co. Ltd.
51	Power Transmission Corporation of Uttarakhand Ltd
52	Chhattisgarh State Power Transmission Company 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 07.12.2021. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 18.12.2021. CTU has submitted data in formats II-C on 15.12.2021, formats II-D and II (G2) to II (G5) on 20.12.2021. CTU has submitted data in formats II-A, II-B, II-E, II-F, II-(G1) and revised format II (C) on 23.12.2021 (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. NTPC has submitted data on 13.12.2021. The list of the DICs that have submitted the data by 07.12.2021 is as mentioned below:

S.NO.	WR	SR	NR	NER	ER	Others
1	Chhattisgarh	Andhra Pradesh	Uttar Pradesh	Assam	DVC	NHPC
2	Gujarat	Telangana	Haryana	Manipur	Odisha	
3	MP	Karnataka	Himachal Pradesh	Meghalaya	JITPL	

4	Maharashtra	Kerala	Delhi	Mizoram		
5	Goa	Tamil Nadu	Rajasthan	Nagaland		
6	D&D	Vallur	Punjab	Tripura		
7	DNH	IL&FS	BBMB	Palatana GBPP		
8	Hazira	Sprng Agnitra	ReNew Solar Power Private Limited			
9	ACBIL	Amplus Pavagada 37&38				
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					
16	Dhariwal					
17	GMR Warora					
18	Raipur Energen					

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

44	Roha Green infra					
45	Dayapar Inox					
46	Ratadiya AGEMPL					
47	Alfanar wind					
48	Renew AP2 Gadhsisa					

**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 Nov'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 Nov'21. For the ISTS licensees who have not submitted YTC data for Nov'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 Nov'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 Nov,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 January,2022**

S.No.	Zone	Region	LTA Demand / Injection (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
1	Delhi	NR	5230	182262301	882148260	59700498	104941100	211058743	52399535		1492510437
2	UP	NR	10476	757308672	1767097964	119590588	210215463	422787746	140132745	5358822	3422492001
3	Punjab	NR	4288	114809787	723299202	48950188	86044282	173053247	112840459	1324286	1260321450
4	Haryana	NR	3734	272384095	629822078	42624005	74924165	150688339	195698191		1366140873
5	Chandigarh	NR	279	5021681	47132810	3189772	5606959	11276780	3017697		75245699
6	Rajasthan	NR	4255	702773305	717766381	48575747	85386093	171729489	97734531	4578575	1828544122
7	HP	NR	1750	28428733	295164529	19975633	35113021	70619710	30346552	51193159	530841337
8	J&K	NR	2852	60286016	481030015	32554314	57223736	115089033	55132717		801315830
9	Uttarakhand	NR	1273	93721180	214718788	14531365	25543128	51372632	30010063	2566603	432463760
10	GMR Kamalanga	NR	75	9875233	12650613	856146	1504928	3026727			27913646
11	WBSEDCL_Inj	NR	600	0	101204900	6849170	12039420	24213820			144307310
12	MB Power	NR	175	32862770	29518096	1997674	3511498	7062364			74952402
13	Jorthang	NR	86.4	8464241	14573506	986280	1733677	3486790			29244494
14	Tashiding	NR	87.3	8720166	14725313	996554	1751736	3523111			29716880
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								38208493	38208493
19	Gujarat	WR	7712	914507810	1300844794	88036315	154749593	105111764	52245446	944301	2616440023
20	Madhya Pradesh	WR	8000	755265305	1349472337	91327246	160534366	109041000	117191250	4105401	2586936906
21	Maharashtra	WR	7103	1026387701	1198139705	81085619	142531709	96812916	76010336		2620967985
22	Chhattisgarh	WR	2901	101107909	489246219	33110356	58201142	39532412	20678335		741876376

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	Goa	WR	513	43529153	86522851	5855543	10292831	6991279	11379136	1406529	165977324
24	Daman Diu	WR	447	28043856	75355002	5099745	8964294	6088887	16885215		140436999
25	Dadra Nagar Haveli	WR	1035	133076004	174571618	11814355	20767187	14105857	9533382		363868403
26	Jindal Power Limited	WR	125	5778333	21084354	1426910	2508213	1703673			32501483
27	Spectrum Coal & Power	WR	28	10676710	4638558	313920	551807	374808			16555803
28	ACB Ltd	WR	23	2768390	3879521	262551	461511	313476			7685450
29	Torrent Power	WR	225	396772	37951838	2568439	4514783	3066611			48498441
30	Sembcorp Energy India Ltd Project-I	WR	115	9435677	19397606	1312757	2307556	1567379			34020974
31	DB Power	WR	186	44882096	31373519	2123243	3732220	2535065			84646143
32	TRN Energy Pvt. Ltd.	WR	3	0	506025	34246	60197	40888			641356
33	CSPTCL	WR	261	0	44024132	2979389	5237148	3557268			55797937
34	WBSEDCL_Inj	WR	400	0	67469933	4566113	8026280	5451752			85514079
35	KSK Mahanadi	WR	400	11043760	67469933	4566113	8026280	5451752			96557839
36	GMR Warora Energy Ltd, Maharashtra	WR	45	3210654	7521211	509007	894730	607734			12743336
37	MB Power	WR								11235824	11235824
38	Adani Power Limited	WR								333748928	333748928
39	Essar Steel	WR							12782697		12782697
40	Andhra Pradesh	SR	1719	333029151	289943571	19622298	34491932	23356134	29183754		729626838
41	Telangana	SR	4305	264772681	726129954	49141762	86381031	58492721	31042441		1215960590
42	Tamil Nadu	SR	8610	804460619	1452234924	98281834	172759090	116983429	87548594		2732268490

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	Kerala	SR	2742	181352704	462451716	31297004	55013646	37252366	49277993		816645429
44	Karnataka	SR	5488	506371927	925648165	62644409	110115886	74564724	100317713	3434301	1783097125
45	Pondicherry	SR	529	18634728	89173274	6034914	10608128	7183270	12077915		143712230
46	Goa-SR	SR	92	37332	15483354	1047856	1841913	1247247			19657701
47	Sembcorp Energy India Ltd Project-I	SR	55	4512715	9277116	627841	1103614	747309		113073	16381667
48	Sembcorp Energy India Ltd Project-II	SR	490	31603565	82650668	5593488	9832193	6657847		6963812	143301575
49	BHAVINI	SR								19808877	19808877
50	Betam	SR								335480	335480
51	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								247059	247059
52	West Bengal	ER	2677	107129441	451579170	30561191	53720239	70586768	44973398		758550207
53	Odisha	ER	1893	134218282	319375070	21614111	37993127	49921820	66397294		629519705
54	Bihar	ER	5292	214625737	892666080	60412305	106192309	139533481	166542455		1579972367
55	Jharkhand	ER	978	32154019	164977573	11165066	19625871	25787801	49535054	10280984	313526368
56	Sikkim	ER	127	1566874	21483987	1453956	2555753	3358182	2572240		32990992
57	DVC	ER	622	32195744	104948056	7102492	12484709	16404530	9407666		182543199
58	Bangladesh	ER	782	10457605	131976964	8931708	15700091	20629444			187695812
59	BRBCL Nabinagar	ER								5972404	5972404
60	NPGC Nabinagar	ER								10292466	10292466
61	Arunachal Pradesh	NER	288	2816060	48537891	3284863	5774108	8551855	12957648		81922425

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	Assam	NER	1623	89162168	273798500	18529660	32571300	48240354	21539887	975629	484817497
63	Manipur	NER	237	10429422	40029212	2709027	4761909	7052717	3875569		68857856
64	Meghalaya	NER	336	21115956	56722047	3838736	6747703	9993815	369551		98787808
65	Mizoram	NER	136	5441673	23008260	1557113	2737082	4053808	1482821	3842479	42123238
66	Nagaland	NER	170	6751269	28683348	1941182	3412195	5053698	23679184		69520877
67	Tripura	NER	353	3411740	59587967	4032691	7088635	10498760	23521787		108141579

<b>Total</b>	<b>104228.3</b>	<b>8183279722</b>	<b>17580688482</b>	<b>1189795312</b>	<b>2091413514</b>	<b>2567495133</b>	<b>1774845797</b>	<b>551087485</b>	<b>33938605444</b>
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**Transmission Charges for Short Term Open Access (STOA)**

<b>S.No.</b>	<b>State</b>	<b>Region</b>	<b>STOA rate (paise/kWh)</b>
1	Delhi	NR	39.64
2	UP	NR	45.30
3	Punjab	NR	40.78
4	Haryana	NR	50.82
5	Chandigarh	NR	37.40
6	Rajasthan	NR	59.53
7	HP	NR	38.07
8	J&K	NR	39.03
9	Uttarakhand	NR	46.90
10	Gujarat	WR	47.10
11	Madhya Pradesh	WR	44.84
12	Maharashtra	WR	51.25
13	Chhattisgarh	WR	35.52
14	Goa	WR	44.56
15	Daman Diu	WR	43.66
16	Dadra Nagar Haveli	WR	48.83
17	Andhra Pradesh	SR	58.95
18	Telangana	SR	39.23
19	Tamil Nadu	SR	44.08
20	Kerala	SR	41.37
21	Karnataka	SR	45.04
22	Pondicherry	SR	37.76
23	Goa-SR	SR	29.74
24	West Bengal	ER	39.35
25	Odisha	ER	46.18
26	Bihar	ER	41.46
27	Jharkhand	ER	43.06
28	Sikkim	ER	35.97
29	DVC	ER	40.75
30	Bangladesh	ER	33.32
31	Arunachal Pradesh	NER	39.54
32	Assam	NER	41.40
33	Manipur	NER	40.30
34	Meghalaya	NER	40.80
35	Mizoram	NER	38.98
36	Nagaland	NER	56.78
37	Tripura	NER	42.52



## 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	10112.81	
2	Delhi	NR	5226.12	
3	Haryana	NR	3719.39	
4	Uttarakhand	NR	1272.97	
5	Punjab	NR	4288.13	
6	Rajasthan	NR	4254.37	
7	Himachal Pradesh	NR	1749.90	
8	Jammu & Kashmir	NR	2851.82	
9	Chandigarh	NR	279.43	
10	Noida Power Company Ltd, UP	NR	170.00	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	7605.31	
26	Madhya Pradesh	WR	7799.25	
27	Chhattisgarh	WR	2884.22	
28	Maharashtra	WR	7003.24	
29	GOA	WR	512.96	
30	Daman Diu	WR	446.75	
31	Dadra Nagar Haveli	WR	1034.96	
32	HVDC Bhadrawathi	WR	0.91	Maharashtra
33	HVDC Vindhyachal	WR	0.69	Madhya Pradesh
34	BARC Facility	WR	9.10	Maharashtra
35	Heavy Water Plant of DAE	WR	5.58	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	225.00	

46	DB Power	WR	186.00	
47	KSK Mahanadi	WR	400.00	
48	GMR Warora Energy Ltd, Maharashtra	WR	44.59	
49	CSPTCL	WR	261.00	
50	TRN Energy Pvt. Ltd.	WR	3.00	
51	Sembcorp Energy India Ltd	WR	115.00	
52	WBSIEDCL	WR	400.00	
53	BIHAR	ER	5216.32	
54	JHARKHAND	ER	908.08	
55	DVC	ER	339.69	
56	ORISSA	ER	1893.44	
57	WEST BENGAL	ER	2642.06	
58	SIKKIM	ER	127.37	
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	1716.47	
68	Karnataka	SR	5443.77	
69	KSEB	SR	2740.57	
70	Tamil Nadu	SR	8593.10	
71	Telangana	SR	4304.91	
72	Puducherry	SR	528.67	
73	Goa	SR	91.79	
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**

**104228.284**

**\*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 Nov'21**

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Nov'21 (₹ Cr)	Equivalent MTC to be considered for Nov'21 (₹ Cr)	Remarks
1	Powergrid Corporation Of India Ltd	32156.56	32156.56	2643.00	As per data furnished by ISTS Licensee for Nov'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 Nov'21
3	Chhattisgarh-WR Transmission Limited.	165.00	165.00	13.56	As per data furnished by ISTS Licensee for Nov'21
4	Raipur Rajnandgaon-WR Transmission Limited.	219.74	219.74	18.06	As per data furnished by ISTS Licensee for Nov'21
5	Sipat Transmission Limited.	95.03	95.03	7.81	As per data furnished by ISTS Licensee for Nov'21
6	Western Transmission Gujarat Limited	55.57	55.57	4.57	As per data furnished by ISTS Licensee for Nov'21
7	Western Transco Power Limited	102.21	102.21	8.40	As per data furnished by ISTS Licensee for Nov'21
8	Alipurduar Transmission Limited	159.40	159.40	13.10	As per data furnished by ISTS Licensee for Nov'21
9	Fatehgarh-Bhadla Transmission Ltd.	48.09	48.09	3.95	As per data furnished by ISTS Licensee for Nov'21
10	North Karanpura Transco Limited	23.64	23.64	1.94	As per data furnished by ISTS Licensee for Nov'21
11	Bikaner-Khetri Transmission Limited	128.95	128.95	10.60	As per data furnished by ISTS Licensee for Nov'21
12	Arali Power Company Private Limited	10.78	10.78	0.89	Data not furnished for Nov'21. Considered the same as in the earlier billing period.
13	Essar Power Transmission Company Limited	399.59	399.59	32.84	As per data furnished by ISTS Licensee for Nov'21
14	Essar Power Transmission Company Limited (NTPC Portion)	3.46	3.46	0.28	Data not furnished for Nov'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 Nov'21

16	Kudgi Transmission Limited	196.29	196.29	16.13	As per data furnished by ISTS Licensee for Nov'21
17	Parbati Koldam Transmission Company Limited	171.37	171.37	14.09	As per data furnished by ISTS Licensee for Nov'21
18	Bhopal Dhule Transmission Company Ltd.	260.15528	260.16	21.38	As per data furnished by ISTS Licensee for Nov'21
19	East North Interconnection Company Limited	143.88841	143.89	11.83	As per data furnished by ISTS Licensee for Nov'21
20	Gurgaon Palwal Transmission Limited	144.15540	144.16	11.85	As per data furnished by ISTS Licensee for Nov'21
21	Jabalpur Transmission Company Limited	146.94973	146.95	12.08	As per data furnished by ISTS Licensee for Nov'21
22	Maheshwaram Transmission Limited	55.93152	55.93	4.60	As per data furnished by ISTS Licensee for Nov'21
23	Khargone Transmission Company Ltd.	103.55744	103.56	8.51	As per data furnished by ISTS Licensee for Nov'21
24	NRSS-XXIX Transmission Limited	501.97793	501.98	41.26	As per data furnished by ISTS Licensee for Nov'21
25	Odisha Generation Phase-II Transmission Limited	157.76474	157.76	12.97	As per data furnished by ISTS Licensee for Nov'21
26	Patran Transmission Company Limited	30.68693	30.69	2.52	As per data furnished by ISTS Licensee for Nov'21
27	Purulia & Kharagpur Transmission Company Limited	72.42253	72.42	5.95	As per data furnished by ISTS Licensee for Nov'21
28	Rapp Transmission Company Limited	44.02082	44.02	3.62	As per data furnished by ISTS Licensee for Nov'21
29	NER-II Transmission Limited	409.31555	409.32	33.64	As per data furnished by ISTS Licensee for Nov'21
30	Teestavalley Power Transmission Limited	289.56	289.56	23.80	As per data furnished by ISTS Licensee for Nov'21
31	Torrent Power Grid Limited	40.75	40.75	3.35	As per data furnished by ISTS Licensee for Nov'21
32	Darbhanga-Motihari Transmission Company Limited	119.03	119.03	9.78	As per data furnished by ISTS Licensee for Nov'21
33	NRSS XXXI (B) Transmission Limited	90.76	90.76	7.46	As per data furnished by ISTS Licensee for Nov'21
34	Jaypee Powergrid Limited	138.41	138.41	11.38	Data not furnished for Nov'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 Nov'21

36	Raichur Sholapur Transmission Company Private Limited	35.20	35.20	2.89	As per data furnished by ISTS Licensee for Nov'21
37	Damodar Valley Corporation	137.08	0.00	0.00	Data not furnished by ISTS Licensee for Nov'21. YTC has been considered as zero as per clause 13 (13) of the Sharing Regulations,2020
38	Powerlinks Transmission Limited	137.79	137.79	11.32	As per data furnished by ISTS Licensee for Nov'21
39	NRSS XXXVI Transmission Limited	1.28	1.28	0.11	Data not furnished by ISTS Licensee for Nov'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 Nov'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	285.67	285.67	23.48	As per data furnished by ISTS Licensee for Nov'21
42	Powergrid NM Transmission Limited	113.91	113.91	9.36	As per data furnished by ISTS Licensee for Nov'21
43	Powergrid Unchahar Transmission Limited	20.27	20.27	1.67	As per data furnished by ISTS Licensee for Nov'21
44	Powergrid Parli Transmission Limited	326.22	326.22	26.81	As per data furnished by ISTS Licensee for Nov'21
45	Powergrid Kala Amb Transmission Limited	70.578	70.58	5.80	As per data furnished by ISTS Licensee for Nov'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 Nov'21
47	Powergrid Jabalpur Transmission Limited	243.68	243.68	20.03	As per data furnished by ISTS Licensee for Nov'21
48	Powergrid Warora Transmission Limited	364.20	364.20	29.93	As per data furnished by ISTS Licensee for Nov'21
49	Powergrid Medinipur Jeerat Transmission Limited	555.23	555.23	45.64	As per data furnished by ISTS Licensee for Nov'21
50	Powergrid Mithilanchal Transmission Limited	170.00	170.00	13.97	As per data furnished by ISTS Licensee for Nov'21.
51	Powergrid Ajmer Phagi Transmission Limited	52.54	52.54	4.32	As per data furnished by ISTS Licensee for Nov'21
52	Powergrid Varanasi Transmissoin System Limited	116.97	116.97	9.61	As per data furnished by ISTS Licensee for Nov'21
53	Powergrid Fatehgarh Transmission Limited	61.60	61.60	5.06	As per data furnished by ISTS Licensee for Nov'21

54	Powergrid Khetri Transmission System Ltd.	104.72	104.72	8.61	As per data furnished by ISTS Licensee for Nov'21.
55	North East Transmission Company Limited	351.53	351.53	28.89	Data not furnished for Nov'21, data furnished by ISTS Licensee for Mar'21 has been considered
56	Transmission Corporation Of Andhra Pradesh (APTRANSCO)	440.14	45.30	3.72	As per data furnished by ISTS Licensee for Nov'21. CERC approved ISTS lines are only considered as per Sharing Regulations 2020
57	Madhya Pradesh Power Transmission Co. Ltd.	12.54	12.54	1.03	As per data furnished by ISTS Licensee for Nov'21.
58	Karnataka Power Transmission Corporation Limited	1.42	1.42	0.12	Data not furnished by ISTS Licensee for Nov'21. CERC Tariff Order dated 12.06.2019 has been considered
59	Delhi Transco Limited	3.12	3.12	0.26	Data not furnished by ISTS Licensee for Nov'21. Data as furnished by ISTS Licensee for Dec'20 has been considered.
60	Power Transmission Corporation Of Uttarakhand Ltd	43.39	43.39	3.57	Data furnished by ISTS Licensee for Nov'21. CERC Tariff Order dated 09.11.2021 , 25.11.2021 and 13.06.2021 have been considered.
61	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	6.37	0.52	Data not furnished by ISTS Licensee for Nov'21. Data as furnished by ISTS Licensee for Jan'21 has been considered. RPC certified non-ISTS as ISTS has not been considered in line with clause 13 (13) of Sharing Regulations,2020
62	Tamilnadu Transmission Corporation Limited	0.59	0.59	0.05	Data not furnished by ISTS Licensee for Nov'21. CERC Tariff 148/TT/2018 Order dated 16.11.2018 has been considered
63	Chhattisgarh State Power Transmission Company Ltd	0.75	0.75	0.06	As per data furnished by ISTS Licensee for Nov'21.
64	Himachal Pradesh Power Transmission Corporation Ltd	2.61	2.61	0.21	Data not furnished for Nov'21. Considered the same as in the earlier billing period.
65	Odisha Power Transmission Corporation Limited	9.80	9.67	0.79	Data not furnished by ISTS Licensee for Nov'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.Filing and Publication fee of ₹ 13.67 Lacs as claimed by the licensee is not considered. The same may be claimed in Bill-2 or Bill-3 as applicable.
66	Uttarpradesh Power Transmission Corporation Limited	27.23	0.00	0.00	Data not furnished by ISTS Licensee for Nov'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available

67	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for Nov'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
68	Gujarat Energy Transmission Corporation Limited	5.71	0.00	0.00	Data not furnished by ISTS Licensee for Nov'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
69	Maharashtra State Electricity Transmission Company Ltd	97.68	0.00	0.00	Data not furnished by ISTS Licensee for Nov'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
70	West Bengal State Electricity Transmission Company Ltd	32.05	0.00	0.00	Data not furnished by ISTS Licensee for Nov'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
71	Haryana Vidyut Prasaran Nigam Limited	8.09	0.00	0.00	Data furnished by ISTS Licensee for Nov'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
72	Assam Electricity Grid Corporation Limited	10.78	0.00	0.00	Data not furnished by ISTS Licensee for Nov'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
73	Meghalaya Power Transmission Corporation Limited	3.61	0.00	0.00	Data not furnished by ISTS Licensee for Nov'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
74	Kerala State Electricity Board	10.06	0.00	0.00	Data not furnished by ISTS Licensee for Nov'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 Nov'21  
from the claimed assets of ISTS licensees (₹ Crores)

**3393.86**

**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	1536061	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 Jallandhar 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 (RRVPL)	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 Sub-Station					
19	2X500MVA 400/230kV transformers along with associated bays and equipment at new 400/230kV (GIS) Tirunelveli Pooling Sub-station	Betam	SR	335480		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	113073		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	11235824		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	Uttarakhand	As per Regulation 13(12) of Sharing Regulations 2020
34	YTC of NCC Power projects Ltd. -Nellore PS 400kV D/c (quad)	Sembcorp Energy India Ltd Project-2	SR	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	38208493.15		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

**TOTAL**

**551087485**

**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 Nov'21**

(As furnished by CTU- cumulative till Nov'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 Nov-21)	Remarks	PS	SPD/SPV/Subsidiary
1	Rewa Ultra Mega Solar Power Development	WR	750	750	MP-651 MW, DMRC-99 MW	490MW:07.07.18; 260 MW:13.04.19	750	Further no billing on RUMS as bills already been raised.		
2	Ostro Kutch Wind Private Limited	WR	300	300	GRIDCO-50 MW, Jharkhand-50 MW, Bihar-50 MW, UPPCL-150MW	126MW:24.08.18; 50MW:02.11.18; 50MW:29.12.18; 24MW:30.03.19; 50MW:14.04.19	250	No Billing for Jan'22 billing month		
3	Inox Wind Infrastructure Services Limited	WR	500	500	Bihar -50 MW, Jharkhand -50 MW, UP -200 MW, BRPL - 50 MW, Haryana -150 MW	500MW:14.04.2019	210	No Billing for Jan'22 billing month. 10MW COD w.e.f 04.09.2021		
4	ReNew Power Limited	WR	300	300	UP - 100 MW, PSPCL - 100 MW, GRIDCO - 50 MW, GOA - 50 MW	300MW:01.05.19	230.1	No Billing for Jan'22 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 Jan'22 billing month.		
6	Green Infra Wind Energy Ltd.	WR	250	250	Assam (APDCL) - 50 MW, GRIDCO Ltd.-100 MW, Jharkhand (JBVNL)- 100 MW	151.2MW:14.04.19; 98.8 MW: 04.11.19	250	No Delayed part Billing for Jan'22 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 Jan'22 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 Jan'22 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 Jan'22 billing month		

10	Alfanar Energy Pvt. Limited	WR	300	300	BRPL -150 MW, BYPL - 50 MW, TPDDL - 50 MW, Bihar - 50 MW	100MW: 31.01.20; 50MW: 15.02.20; 50MW: 28.02.20; 36MW: 06.10.20; 36MW: 20.10.20; 28MW: 10.02.21	300	No Delayed part Billing for Jan'22 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 Jan'22 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 Jan'22 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	218.2	LTA was granted on existing margins. However, CERC in tariff petition 172/TT/2018 has linked the LTA to 2X500MVA, 400/230kV ICTs at Tirunelveli Pool (Tuticorin-II). Therefore, Betam is not included in FORMAT II-G(3). SCEI declared COD from 22.10.2021 for additional 10 MW quantum.		

18	Saurya Urja Company of Rajasthan Limited	NR	500	500	UPPCL-500 MW	500 MW: 27.10.19	500	No Delayed part Billing for Jan'22 billing month, due to Non availability of approved CERC tariff order for ATS.	Bhadla	Claen Solar Power (Bhadla) Pvt. Ltd. : 300MW SB Energy Four Pvt. Ltd.: 200MW
19	Adani Reneable EnergyPark Rajasthan Ltd.	NR	250	250	UPPCL-250 MW	250 MW: 27.10.19	250	No delay. Hence, no billing.	Bhadla	Azure Power India Pvt. Ltd.: 200MW ReNew Solar Power Pvt. Ltd.:50MW
20	NTPC Ltd. (Auraiya Solar)	NR	20	20	UPPCL-20MW	15MW: 25.10.2020 5MW: 30.11.2020	20	Further No billing.	Auraiya	
21	Sprng Renewable Energy Pvt Limited	SR	300	300	UP-300 MW	300 MW: 30.11.19	300	Already included in Format II G(3)		
22	Adani Wind Energy Kutchh Three Limited	WR	250	250	Chandigarh Administration, UT, Chandigarh 40MW Uttar Pradesh Power Corporation Ltd 85MW Kerala State Electricity Board Ltd 75MW GRIDCO LTD. 50MW	115 MW: 05.02.2021 30.5 MW: 15.03.2021 43.8 MW: 08.04.2021 28.5 MW: 05.05.2021 32.2 MW: 09.05.2021	250	No Billing for Jan'22 billing month. Already included in Format II G(2)		
23	Continuum Power Trading (TN) Pvt. Ltd	WR	50	50	MPPMCL	15.02.2021	50	32MW RE Capacity commisisoned wef 12/4/21 18MW RE Capacity commisisoned wef 22/4/21 No Billing for Jan'22 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 Jan'22 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	300	No Delayed part Billing for Jan'22 billing month, due to Non availability of approved CERC tariff order for ATS.	Bhadla	SB Energy Six pvt. Ltd.
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.	Fatehgarh	NTPC Ltd.:296M W Adani Hybrid Energy Jaisalmer Four Ltd.: 700MW
28	Gujarat Power Corporation Limited	WR	700	600	GUVNL:600 MW WR TARGET:100 MW	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 Jan'22 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	No Billing for Jan'22 billing month	Bhadla	Azure Power Thirty Four Pvt. Ltd.
30	Tata Power Renewable Energy Ltd.	NR	150	150	MSEDCL	01.09.2021	150	No Billing for Jan'22 billing month	Bhadla	Tata Power Renewable Energy Ltd.
31	Azure Power India Pvt. Ltd.	NR	300	300	GRIDCO: 200MW BRPL: 100MW	01.09.2021	150	LTA was made effective vide CTU letter dated 26.08.2021 . 50MW w.e.f. 13.10.2021	Bhadla	Azure Power Forty One Pvt. Ltd.

								, 50MW COD w.e.f 02.11.2021 and 50MW COD w.e.f 30.11.2021 .No Delayed part Billing for Jan'22 billing month,due to Non availability of approved CERC tariff order for ATS.		
32	Azure Power India Pvt. Ltd.	NR	200	200	MPPMCL	01.09.2021	0	No Delayed part Billing for Jan'22 billing month,due to Non availability of approved CERC tariff order for ATS.	Bhadla	Azure Power Maple Pvt. Ltd.
33	Azure Power India Pvt. Ltd.	NR	50	50	MPPMCL	01.09.2021	0	No Delayed part Billing for Jan'22 billing month,due to Non availability of approved CERC tariff order for ATS.	Bhadla	Azure Power Maple Pvt. Ltd.
34	Renew Power Pvt Ltd	SR	300	300	SBPDCL: 162 MW NBPDCCL: 138 MW	63 MW: 24.09.21 10.5 MW: 11.10.21 12.6 MW: 19.10.21 14.7 MW: 26.10.21 16.8 MW: 11.11.21 10.5 MW: 23.11.21 10.5 MW: 30.11.21 <b>Total : 138.6 MW</b>	115.5	SECI declared additional COD for 14.7 w.e.f. 13.11.21.		
35	SBSR Power Cleantech Eleven Pvt. Ltd.*	NR	300.0	300.0	TPDDL- 200MW BYPL- 100MW	20.11.2021	0.0	LTA made effective vide CTU letter dated 18.11.2021	Bikaner	SBSR Power Cleantech Eleven Pvt. Ltd.

								. 50MW commissio ned but waiver documents not submitted.		
36	Azure Power India Pvt. Ltd.	NR	300.0	300.0	HPPC- 100MW JBVNL- 200MW	100MW: 25.09.2021 200MW: 20.11.2021	200.0	LTA Application : 120000165 5. 100MW LTA operational ized on part system and was earlier inculded in Format II G (2). Balance LTA operational ized vide CTU letter dated 18.11.2021 . 200MW Commissio ned.	Bikaner	Azure Power Forty Three Pvt. Ltd.
	<b>Total</b>		<b>13740.1</b>	<b>12936.1</b>			<b>10128.7</b>			

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