

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

No: TC/05/2021

Date: 27.05.2021

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 13th April, 2021** as a peak block for the billing period of Apr'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 18.05.2021 with last date of submission of comments as 20.05.2021. 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 15.05.2021 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.05.2021.
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 June'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 June'21 shall be used by RPCs for preparation of Regional Transmission Account (RTA) for the billing month of June'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 Apr'21 is given at **Annexure-VIII**.


27-5-2021
(जी चक्रवर्ती)

मुख्य महाप्रबंधक/ रा. भा. प्रे. के

Input Data furnished by DICs/ ISTS Licensees/ CTU

1. As per Regulation 24(1) of Sharing Regulations 2020, some of the ISTS Licensees have submitted YTC data by 28.04.2021. PowerGrid has submitted its YTC along with its SPV's on 15.05.2021. 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 Apr'21

Sl. No.	Name of ISTS Licensee
1	Powergrid Corporation of India Ltd
2	Adani Transmission (India) Limited
3	Chhattisgarh-WR Transmission Limited.
4	Raipur Rajnandgaon-WR Transmission Limited.
5	Sipat Transmission Limited.
6	Western Transmission Gujarat Limited
7	Western Transco Power Limited
8	Aravali Power Company Private Limited
9	Essar Power Transmission Company Limited
10	Essar Power Transmission Company Limited (NTPC Portion)
11	Jindal Power Limited
12	Kudgi Transmission Limited
13	Parbati Koldam Transmission Company Limited (JV Of Rinfra And Powergrid Corporation Of India Limited)
14	Bhopal Dhule Transmission Company Ltd.
15	East North Interconnection Company Limited
16	Gurgaon Palwal Transmission Limited
17	Jabalpur Transmission Company Limited
18	Maheshwaram Transmission Limited
19	Khargone Transmission Company Ltd.
20	NRSS-XXIX Transmission Limited
21	Odisha Generation Phase-II Transmission Limited
22	Patran Transmission Company Limited
23	Purulia & Kharagpur Transmission Company Limited
24	Rapp Transmission Company Limited
25	NER-II Transmission Limited
26	Teestavalley Power Transmission Limited
27	Darbhanga-Motihari Transmission Company Limited
28	NRSS XXXI (B) Transmission Limited
29	Kohima Mariani Transmission Limited
30	Powerlinks Transmission Limited
31	Powergrid Vizag Transmission Limited
32	Powergrid NM Transmission Limited

Sl. No.	Name of ISTS Licensee
33	Powergrid Unchahar Transmission Limited
34	Powergrid Parli Transmission Limited
35	Powergrid Kala Amb Transmission Limited
36	Powergrid Southern Interconnector Transmission System Limited
37	Powergrid Jabalpur Transmission Limited
38	Powergrid Warora Transmission Limited
39	Powergrid Medinipur Jeerat Transmission Ltd
40	North East Transmission Company Limited
41	Transmission Corporation Of Andhra Pradesh (APTRANSCO)
42	Madhya Pradesh Power Transmission Co. Ltd.
43	Chhattisgarh State Power Transmission Company Ltd
44	Torrent Power Grid Ltd.
45	Raichur Sholapur Transmission Company Pvt Ltd.
46	Damodar Valley Corporation
47	Bhakra Beas Management Board
48	H.P. Power Transmission Corporation Ltd.
49	PowerGrid Mithilanchal Transmission Ltd.

- 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 07.05.2021. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 17.05.2021. CTU has submitted the data in formats II-A to II-G(5) on 18.05.2021. Subsequently, CTU has submitted revised format II-B on 26.05.2021.
- 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 07.05.2021 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	NHPC
3	MP	Karnataka	Himachal Pradesh	Meghalaya	West Bengal	
4	Maharashtra	Kerala	Delhi	Mizoram	JITPL	
5	Goa	Tamil Nadu	Rajasthan	Nagaland		
6	D&D	NLC TPS 1 EXP	Punjab	Tripura		
7	DNH	Vallur(NTECL)	BBMB			
8	Hazira	Tuticorin TPP (NTPL)				
9	ACBIL	IL&FS				
10	Spectrum Power	ReNew Wind Energy (TN2) Private Limited				

S.NO.	WR	SR	NR	NER	ER	Others
11	Maruti Coal Power	Fortum Finnsurya Energy Private Ltd.				
12	BALCO	Yarrow Infra Structure Private Ltd.				
13	CGPL	ACME Kurukshetra Solar Energy Pvt. Ltd.				
14	DB Power Ltd.	ACME REWARI Solar Power Pvt Ltd.				
15	DGEN	Adyah Solar Energy Pvt, Ltd.				
16	Dhariwal	Azure Power Earth Private Ltd.				
17	GMR Warora (EMCO)	Fortum Solar India Private Limited.				
18	Raipur Energen (GMR Chhattisgarh)(GCEL)					
19	Jindal Stg-1					
20	JPL Stg-2					
21	Jhabua Power					
22	JP Nigrie					
23	KAPS 1&2					
24	Raigarh Energy (Korba West)					
25	KSK Mahanadi					
26	LANCO					
27	MB Power (Anuppur)					
28	Essar Mahan					
29	NSPCL Bhilai					
30	Ratnagiri Dabhol(RGPPL)					
31	RKM Power					
32	Sasan UMPP					
33	SKS Power					
34	SSP					
35	TAPS (3,4)					
36	TRN Energy					
37	TAPS (1,2)					
38	Naranpar_Ostro (wind)					
39	ACME RUMS					
40	Mahindra Renewables Pvt. Ltd. (RUMS)					
41	ARINSUM					
42	Bhuvad_Renew (wind)					
43	Vadwa_Green Infra(wind)(GIWEL)					
44	Roha Green infra (wind)(GIWELSEC13)					
45	Dayapar Inox(wind)					
46	Ratadiya AGEMPL (wind)					

S.NO.	WR	SR	NR	NER	ER	Others
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, the 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 Apr'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 Apr'21. For the ISTS licensees who have not submitted YTC data for Apr'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 Apr'21 as furnished by ISTS licensees have been considered in the computations.
- D. Yearly Transmission Charges (YTC) based on approved/ adopted tariff by CERC has only been considered in line with Sharing Regulations 2020. RPC certified non-ISTS lines as ISTS lines have not been considered in the computations.
- E. The assets of State Utilities whose approved Tariff by the Commission is not available as on 31.03.2019 are not being considered in the computations since 2019-20 Q3 in line with Terms & Conditions of Tariff Regulations. The same is continued in this computations.
- F. As per minutes of Validation Committee meeting held for 2020-21 Q2 PoC computations, for the assets of Essar Power transmission limited, combined tariff of LILO of 400kV Vindhyachal-Korba at Mahan, GIS S/s at Hazira and 400kV Hazira-Gandhar line) was being excluded from PoC computations in the absence of exclusive tariff of LILO of 400kV Vindhyachal-Korba at Mahan since 2020-21 Q2. The same is continued in the computations as the matter is sub-judice.
- G. New assets of Powergrid Mithilanchal Ltd. and NER-II Transmission Ltd. have been considered after proper examination.
- H. As per Regulation (13) clauses (3), (6), (9), the YTC of assets claimed by licensees have been examined to find out whether the YTC to be completely or partly billed to generators. Accordingly, computed transmission charges for DICs in line with the Regulations.
- I. 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.
- J. 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.

K. 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

- L. 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:
- 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.
 - The indicative cost level of 400 kV Quad Bersimis D/C has been considered to be same as 400 kV Quad Moose D/C.
 - The indicative cost level of 765 kV Hexa zebra has been considered to be same as 765 kV Quad Bersimis.
 - 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.
 - 400 kV lines (Twin Moose) charged at 220 kV are charged as per the rate of 220 kV D/C lines.

- M. Circuit Kms of RE lines considered as National component has been considered as zero.
- N. 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. While running load flow, HVDC Sasaram have been bypassed to counter loop flows in the network.
- C. AC Usage Base Charges (AC-UBC) thus determined has been used for apportionment through hybrid method and computed total aggregated nodal charges in ₹ for each drawee DIC and injecting DICs having untied LTA.

Transmission Charges for Designated ISTS Customers (DICs) for the billing month of June'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	186112765	938147515	46281671	107050361	216139547	49073011		1542804870
2	UP	NR	10397	790157470	1864966758	92004485	212808074	429669176	136853761	5358822	3531818545
3	Punjab	NR	4288	239833075	769210002	37947470	87773199	177218080	114668155	1324286	1427974266
4	Haryana	NR	3813	388472263	684070709	33747289	78058104	157602862	195414483		1537365711
5	Chandigarh	NR	334	8056114	59837561	2951969	6827959	13785959	2874253		94333814
6	Rajasthan	NR	4213	349900463	755814898	37286649	86244707	174131986	98814724	4578575	1506772002
7	HP	NR	1750	43649428	313902186	15485750	35818826	72319838	30203107	51193159	562572294
8	J&K	NR	2286	84511838	410139758	20233442	46800326	94491985	51748470		707925819
9	Uttarakhand	NR	1197	121202013	214760010	10594765	24505887	49478499	35322433	30341589	486205195
10	ADHPL	NR	169	1119177	30308451	1495208	3458444	6982756			43364035
11	GMR Kamalanga	NR	75	7032713	13453680	663711	1535176	3099590			25784870
12	WBSSEDCL_Inj	NR	600	6280399	107629443	5309688	12281406	24796718			156297653
13	MB Power	NR	175	14725826	31391921	1548659	3582077	7232376			58480858

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		
14	Jorthang	NR	24	0	4391281	216635	501081	1011706			6120704
15	Tashiding	NR	25	0	4436127	218848	506199	1022038			6183211
16	Northern Railways	NR							2431885		2431885
17	North Central Railways	NR							1981331		1981331
18	RAPP 7&8, NPCIL	NR								34150000	34150000
19	Gujarat	WR	6943	540346506	1245462393	61442449	142117521	93499535	52730577	944301	2136543283
20	Madhya Pradesh	WR	8024	593411382	1439403855	71010172	164247840	108059136	119422451	4105401	2499660237
21	Maharastra	WR	7111	762811162	1275596523	62929058	145556074	95761768	74745116		2417399701
22	Chattisgarh	WR	2787	100060886	499865436	24659883	57038765	37525971	22386066		741537006
23	Goa	WR	513	41626702	92001070	4538693	10498080	6906718	11379136	1406529	168356928
24	Daman Diu	WR	446	22197043	80067328	3949965	9136342	6010826	16673168		138034672
25	Dadra Nagar Haveli	WR	1033	98761335	185318907	9142346	21146414	13912288	9109288		337390578
26	Jindal Power Limited	WR	114	8738538	20521347	1012380	2341655	1540582			34154502

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		
27	Spectrum Coal & Power	WR	28	7863473	4933016	243361	562898	370332			13973080
28	ACB Ltd	WR	23	2818216	4125795	203538	470787	309732			7928068
29	Torrent Power	WR	200	4943730	35876481	1769896	4093802	2693324			49377234
30	Sembcorp Energy India Ltd Project-I	WR	115	9660760	20628977	1017690	2353936	1548662			35210024
31	DB Power	WR	186	38550552	33365127	1646003	3807236	2504792			79873711
32	TRN Energy Pvt. Ltd.	WR	3	217823	538147	26548	61407	40400			884325
33	CSPTCL	WR	261	6322818	46818808	2309714	5342412	3514788			64308540
34	WBSIEDCL_Inj	WR	400	4186933	71752962	3539792	8187604	5386649			93053939
35	KSK Mahanadi	WR	400	39294987	71752962	3539792	8187604	5386649			128161994
36	GMR Warora Energy Ltd, Maharashtra	WR	200	5936976	35876481	1769896	4093802	2693324			50370479
37	Jorthang	WR	43	0	7749320	382298	884261	581758			9597637

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		
38	Tashiding	WR	44	0	7830042	386280	893472	587818			9697612
39	MB Power	WR								12351910	12351910
40	Adani Power Limited	WR								333748928	333748928
41	Andhra Pradesh	SR	1653	264352522	296590270	14631700	33843394	22681326	30210612		662309824
42	Telangana	SR	4248	275567211	762051444	37594316	86956349	58276819	31001237		1251447377
43	Tamil Nadu	SR	8620	839783877	1546314400	76284394	176447214	118252233	84601468	3812096	2845495682
44	Kerala	SR	2792	226367145	500778651	24704935	57142970	38296348	49332765		896622813
45	Karnataka	SR	5824	401199585	1044787086	51542526	119218815	79898632	101675909	3434301	1801756856
46	Pondicherry	SR	534	16854657	95702123	4721277	10920401	7318686	12166653		147683796
47	Goa-SR	SR	90	2055910	16157161	797082	1843665	1235596			22089414
48	Sembcorp Energy India Ltd Project-I	SR	55	4620363	9866032	486721	1125796	754491		644513	17497917
49	Sembcorp Energy India Ltd Project-II	SR	490	56442806	87897378	4336245	10029815	6721829			165428073
50	BHAVINI	SR								15996781	15996781

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		
51	Betam	SR								897409	897409
52	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								489176	489176
53	West Bengal	ER	2540	227441231	455668521	22479515	51995533	66776997	47565118		871926915
54	Odisha	ER	1675	99719342	300429731	14821113	34281508	44027170	65250796		558529659
55	Bihar	ER	4440	283797704	796394522	39288565	90875177	116709477	140324985		1467390429
56	Jharkhand	ER	842	45177439	150963018	7447465	17226124	22123225	50262158	3715477	296914906
57	Sikkim	ER	102	1800017	18299201	902755	2088090	2681699	3520945		29292707
58	DVC	ER	622	49206681	111610217	5506072	12735645	16356177	8153034		203567826
59	Bangladesh	ER	782	12901936	140352665	6924024	16015396	20568306			196762326
60	BRBCL Nabinagar	ER								5972404	5972404
61	NPGC Nabinagar	ER								20584932	20584932
62	NTPC Darlipalli	ER								7510110	7510110
63	Arunachal Pradesh	NER	288	3112882	51618737	2546509	5890123	8491196	14385329		86044777
64	Assam	NER	1623	80586912	291175974	14364597	33225578	47897963	22614933	878066	490744022

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				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
65	Manipur	NER	237	12278310	42570288	2100122	4857621	7002741	4349537		73158619
66	Meghalaya	NER	336	7048747	60322794	2975907	6883328	9922999	683582		87837357
67	Mizoram	NER	136	15686659	24468567	1207109	2792065	4025039	1482821	3842479	53504740
68	Nagaland	NER	170	10357396	30503373	1504824	3480686	5017754	24487384		75351417
69	Tripura	NER	353	30695841	63370643	3126267	7231113	10424365	23978463		138826691
70	PowerGrid Corporation of India Ltd	NER								5079998	5079998

TOTAL

101904

7495858536

18279838070

901800032

2085880141

2533279238

1741879146

552361244

33590896406

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 (₹)
1	Sprng Renewable Energy Pvt Limited	Tamil Nadu	300	300	153	60 MW: 28.03.2021 93 MW: 01.04.2021	30.11.2019	147	4845258
2	Madhya Bharat Power Corporation Limited	Sikkim	96	96	0	NA	31.01.2021	96	2756630

Transmission Charges for Short Term Open Access (STOA)

S.No.	State	Region	STOA rate (paise/kWh)
1	Delhi	NR	40.97
2	UP	NR	47.11
3	Punjab	NR	46.21
4	Haryana	NR	55.99
5	Chandigarh	NR	39.28
6	Rajasthan	NR	49.52
7	HP	NR	40.59
8	J&K	NR	43.00
9	Uttarakhand	NR	52.88
10	Gujarat	WR	42.72
11	Madhya Pradesh	WR	43.19
12	Maharashtra	WR	47.22
13	Chattisgarh	WR	36.96
14	Goa	WR	45.21
15	Daman Diu	WR	42.95
16	Dadra Nagar Haveli	WR	45.36
17	Andhra Pradesh	SR	55.64
18	Telangana	SR	40.91
19	Tamil Nadu	SR	45.79
20	Kerala	SR	44.61
21	Karnataka	SR	42.88
22	Pondicherry	SR	38.45
23	Goa-SR	SR	34.06
24	West Bengal	ER	47.67
25	Odisha	ER	46.32
26	Bihar	ER	45.91
27	Jharkhand	ER	48.39
28	Sikkim	ER	39.88
29	DVC	ER	45.44
30	Bangladesh	ER	34.93
31	Arunachal Pradesh	NER	41.53
32	Assam	NER	41.91
33	Manipur	NER	42.82
34	Meghalaya	NER	36.28
35	Mizoram	NER	50.57
36	Nagaland	NER	61.54
37	Tripura	NER	54.58

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	10033.05	
2	Delhi	NR	5226.12	
3	Haryana	NR	3757.03	
4	Uttarakhand	NR	1197.22	
5	Punjab	NR	4288.10	
6	Rajasthan	NR	4212.48	
7	Himachal Pradesh	NR	1749.91	
8	Jammu & Kashmir	NR	2286.40	
9	Chandigarh	NR	333.58	
10	Noida Power Company Ltd, UP	NR	170.00	Uttar Pradesh
11	AD Hydro	NR	168.96	
12	Railways_UP	NR	188.75	Uttar Pradesh
13	Railways_Haryana	NR	53.15	Haryana
14	Railways_Delhi	NR	3.75	Delhi
15	PG-Rihand	NR	0.74	Uttar Pradesh
16	PG-Dadri	NR	0.76	Uttar Pradesh
17	PG-Agra	NR	2.36	Uttar Pradesh
18	PG-Balia	NR	0.95	Uttar Pradesh
19	PG-Bhiwadi	NR	0.95	Rajasthan
20	PG-Kurukshetra	NR	3.30	Haryana
21	MB Power	NR	175.00	
22	WBSEDCL	NR	600.00	
23	GMR Kamalanga Energy Pvt. Ltd	NR	75.00	
24	Jorthang	NR	24.48	
25	Tashiding	NR	24.73	
26	Gujarat	WR	6828.93	
27	Madhya Pradesh	WR	7823.03	
28	Chhattisgarh	WR	2771.22	
29	Maharashtra	WR	7000.44	
30	GOA	WR	512.88	
31	Daman Diu	WR	446.35	
32	Dadra Nagar Haveli	WR	1033.09	
33	HVDC Bhadravathi	WR	0.91	Maharashtra
34	HVDC Vindhyachal	WR	0.69	Madhya Pradesh
35	BARC Facility	WR	9.10	Maharashtra
36	Heavy Water Plant of DAE	WR	12.88	Gujarat
37	Mind Space Business parks Pvt Ltd	WR	10.60	Maharashtra
38	HVDC Champa	WR	3.19	Chhattisgarh
39	HVDC Raigarh	WR	0.94	Chhattisgarh
40	Railways_Gujarat	WR	101.25	Gujarat
41	Railways_MP	WR	200.50	Madhya Pradesh
42	Railways_Maharashtra	WR	90.00	Maharashtra
43	Railways_Chhattisgarh	WR	11.25	Chhattisgarh
44	ACB Ltd.	WR	23.00	
45	JINDAL	WR	114.40	

46	Spectrum Coal and Power	WR	27.50	
47	Torrent Power	WR	200.00	
48	DB Power	WR	186.00	
49	KSK Mahanadi	WR	400.00	
50	GMR Warora Energy Ltd, Maharashtra	WR	200.00	
51	CSPTCL	WR	261.00	
52	TRN Energy Pvt. Ltd.	WR	3.00	
53	Sembcorp Energy India Ltd	WR	115.00	
54	WBSEDCL	WR	400.00	
55	Jorthang	WR	43.20	
56	Tashiding	WR	43.65	
57	BIHAR	ER	4363.58	
58	JHARKHAND	ER	771.57	
59	DVC	ER	339.69	
60	ORISSA	ER	1674.80	
61	WEST BENGAL	ER	2504.43	
62	SIKKIM	ER	102.01	
63	Bangladesh	ER	782.42	
64	TATA Steel Ltd.	ER	200.00	DVC
65	Railways_Jharkhand	ER	70.00	Jharkhand
66	Railways_Bihar	ER	75.00	Bihar
67	Railways_DVC	ER	82.50	DVC
68	Railways_West Bengal	ER	33.75	West Bengal
69	HVDC Alipurduar	ER	2.03	West Bengal
70	POWERGRID PUSAULI	ER	1.07	Bihar
71	Andhra Pradesh	SR	1650.92	
72	Karnataka	SR	5780.36	
73	KSEB	SR	2790.74	
74	Tamil Nadu	SR	8604.87	
75	Telangana	SR	4248.20	
76	Puducherry	SR	533.51	
77	Goa	SR	90.07	
78	SAIL, Salem	SR	13.65	Tamil Nadu
79	Railways_Karnataka	SR	42.50	Karnataka
80	PG-HVDC Gazuwaka	SR	0.98	Andhra Pradesh
81	PG-HVDC Talcher	SR	1.50	Andhra Pradesh
82	PG-HVDC Kolar	SR	1.50	Karnataka
83	PG-HVDC Pugalur	SR	1.70	Tamil Nadu
84	PG-HVDC Thrissur	SR	0.94	Kerala
85	Sembcorp Energy India Ltd Project-I	SR	55.00	
86	Sembcorp Energy India Ltd Project-II	SR	490.00	
87	Arunachal Pradesh	NER	287.76	
88	Assam	NER	1621.85	
89	Manipur	NER	237.32	
90	Meghalaya	NER	336.28	
91	Mizoram	NER	136.40	
92	Nagaland	NER	170.05	
93	Tripura	NER	353.27	
94	PG-HVDC BNC	NER	1.37	Assam

TOTAL

101904.30

***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 Apr'21

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Apr'21 (₹ Cr)	Equivalent MTC to be considered for Apr'21 (₹ Cr)	Remarks
1	POWERGRID	32461.67	32461.67	2668.08	As per data furnished by ISTS Licensee for Apr'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 Apr'21
3	CHHATTISGARH-WR TRANSMISSION LIMITED.	165.00	165.00	13.56	As per data furnished by ISTS Licensee for Apr'21
4	RAIPUR RAJNANDGAON-WR TRANSMISSION LIMITED.	219.74	219.74	18.06	As per data furnished by ISTS Licensee for Apr'21
5	SIPAT TRANSMISSION LIMITED.	94.65	94.65	7.78	As per data furnished by ISTS Licensee for Apr'21
6	Western Transmission Gujarat Limited	55.57	55.57	4.57	As per data furnished by ISTS Licensee for Apr'21
7	Western Transco Power Limited	102.21	102.21	8.40	As per data furnished by ISTS Licensee for Apr'21
8	ALIPURDUAR TRANSMISSION LIMITED	159.40	159.40	13.10	As per data furnished by ISTS Licensee for Apr'21
9	ARAVALI POWER COMPANY PRIVATE LIMITED	12.77	12.77	1.05	As per data furnished by ISTS Licensee for Apr'21
10	Essar Power Transmission Company Limited	412.98	333.05	27.37	As per minutes of Validation Committee meeting held for 2020-21 Q2 PoC computations, combined tariff of LILO of 400kV Vindhychal-Korba at Mahan, GIS S/s at Hazira and 400kV Hazira-Gandhar line) is being excluded from computations in the absence of exclusive tariff of LILO of 400kV Vindhychal-Korba at Mahan since 2020-21 Q2. This matter is already sub-judice. Considered same as for previous periods.
11	Essar Power Transmission Company Limited (NTPC portion)	3.46	3.46	0.28	Data not furnished for Apr'21, data furnished by ISTS Licensee for Mar'21 has been considered

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Apr'21 (₹ Cr)	Equivalent MTC to be considered for Apr'21 (₹ Cr)	Remarks
12	Jindal Power Limited	19.12	19.12	1.57	As per data furnished by ISTS Licensee for Apr'21
13	Kudgi Transmission Limited	196.29	196.29	16.13	As per data furnished by ISTS Licensee for Apr'21
14	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 Apr'21
15	BHOPAL DHULE TRANSMISSION COMPANY LTD.	259.84	259.84	21.36	As per data furnished by ISTS Licensee for Apr'21
16	EAST NORTH INTERCONNECTION COMPANY LIMITED	143.52	143.52	11.80	As per data furnished by ISTS Licensee for Apr'21
17	GURGAON PALWAL TRANSMISSION LIMITED	144.10	144.10	11.84	As per data furnished by ISTS Licensee for Apr'21
18	JABALPUR TRANSMISSION COMPANY LIMITED	146.82	146.82	12.07	As per data furnished by ISTS Licensee for Apr'21
19	MAHESHWARAM TRANSMISSION LIMITED	55.90	55.90	4.59	As per data furnished by ISTS Licensee for Apr'21
20	KHARGONE TRANSMISSION COMPANY LTD.	103.53	103.53	8.51	As per data furnished by ISTS Licensee for Apr'21
21	NRSS-XXIX TRANSMISSION LIMITED	501.81	501.81	41.24	As per data furnished by ISTS Licensee for Apr'21
22	ODISHA GENERATION PHASE-II TRANSMISSION LIMITED	157.70	157.70	12.96	As per data furnished by ISTS Licensee for Apr'21
23	Patran Transmission Company Limited	30.67	30.67	2.52	As per data furnished by ISTS Licensee for Apr'21
24	PURULIA & KHARAGPUR TRANSMISSION COMPANY LIMITED	72.38	72.38	5.95	As per data furnished by ISTS Licensee for Apr'21
25	RAPP TRANSMISSION COMPANY LIMITED	44.00	44.00	3.62	As per data furnished by ISTS Licensee for Apr'21
26	NER-II Transmission Limited	409.32	409.32	33.50	As per the data furnished by the licensee for Apr'21. New assets CoD w.e.f. 04.04.2021;hence cost of these assets has been considered for 27 days.
27	Teestavalley Power Transmission Limited	289.56	289.56	23.80	As per data furnished by ISTS Licensee for Apr'21

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Apr'21 (₹ Cr)	Equivalent MTC to be considered for Apr'21 (₹ Cr)	Remarks
28	Torrent Power Grid Limited	46.68	47.45	3.90	As per data furnished by ISTS Licensee for Apr'21
29	Darbhanga-Motihari Transmission Company Limited	119.03	119.03	9.78	As per data furnished by ISTS Licensee for Apr'21
30	NRSS XXXI (B) Transmission Limited	90.76	90.76	7.46	As per data furnished by ISTS Licensee for Apr'21
31	Jaypee Powergrid Limited	161.36	161.36	13.26	Data not furnished for Apr'21. Considered the same as in the earlier billing period.
32	KOHIMA MARIANI TRANSMISSION LIMITED	222.20	222.20	18.26	As per data furnished by ISTS Licensee for Apr'21
33	RAICHUR SHOLAPUR TRANSMISSION COMPANY PRIVATE LIMITED	35.20	35.20	2.89	As per data furnished by ISTS Licensee for Apr'21
34	DAMODAR VALLEY CORPORATION	137.08	137.08	11.27	As per data furnished by ISTS Licensee for Apr'21. Incentive and carrying cost claimed for previous FY may be claimed with CTU through second bill as per Regulations.
35	Powerlinks Transmission Limited	142.02	142.02	11.67	As per data furnished by ISTS Licensee for Apr'21
36	NRSS XXXVI Transmission Limited	1.28	1.28	0.11	Data not furnished by ISTS Licensee for Apr'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.
37	Warora-Kurnool Transmission Limited	6.19	6.19	0.51	Data not furnished by ISTS Licensee for Mar'21. Data as furnished by ISTS Licensee for Jan'21 has been considered. Cost of 240 MVAR reactor with bays at Warora end is considered under the sharing mechanism
38	POWERGRID VIZAG TRANSMISSION LIMITED	285.51	285.51	23.47	As per data furnished by ISTS Licensee for Apr'21
39	POWERGRID NM TRANSMISSION LIMITED	113.83	113.83	9.36	As per data furnished by ISTS Licensee for Apr'21
40	POWERGRID UNCHAHAR TRANSMISSION LIMITED	20.27	20.27	1.67	As per data furnished by ISTS Licensee for Apr'21
41	POWERGRID PARLI TRANSMISSION LIMITED	326.22	326.22	26.81	As per data furnished by ISTS Licensee for Apr'21
42	POWERGRID KALA AMB TRANSMISSION LIMITED	70.578	70.58	5.80	As per data furnished by ISTS Licensee for Apr'21. Bilateral payment of HPSEB is also included in the claimed YTC
43	POWERGRID Southern Interconnector Transmission System Limited	449.68	449.68	36.96	As per data furnished by ISTS Licensee for Apr'21

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Apr'21 (₹ Cr)	Equivalent MTC to be considered for Apr'21 (₹ Cr)	Remarks
44	POWERGRID JABALPUR TRANSMISSION LIMITED	243.68	243.68	20.03	As per data furnished by ISTS Licensee for Apr'21
45	POWERGRID WARORA TRANSMISSION LIMITED	364.20	364.20	29.93	As per data furnished by ISTS Licensee for Apr'21
46	POWERGRID MEDINIPUR JEERAT TRANSMISSION LIMITED	319.23	319.23	26.24	As per data furnished by ISTS Licensee for Apr'21
47	POWERGRID MITHILANCHAL TRANSMISSION LIMITED	90.06	90.06	5.75	As per the data furnished by the licensee for Apr'21. New asset CoD w.e.f. 13.04.2021; hence cost of new assets has been considered for 18 days.
48	NORTH EAST TRANSMISSION COMPANY LIMITED	351.53	351.53	28.89	Data not furnished for Apr'21, data furnished by ISTS Licensee for Mar'21 has been considered
49	Transmission Corporation of Andhra Pradesh (APTRANSCO)	283.72	57.74	4.75	As per data furnished by ISTS Licensee for Apr'21. CERC approved ISTS lines are only considered as per Sharing Regulations 2020
50	Madhya Pradesh Power Transmission Co. Ltd.	12.54	12.54	1.03	As per data furnished by ISTS Licensee for Apr'21
51	KARNATAKA POWER TRANSMISSION CORPORATION LIMITED	1.42	1.42	0.12	Data not furnished by ISTS Licensee for Apr'21. CERC Tariff Order dated 12.06.2019 has been considered
52	DELHI TRANSCO LIMITED	3.12	3.12	0.26	Data not furnished by ISTS Licensee for Apr'21. Data as furnished by ISTS Licensee for Dec'20 has been considered.
53	Power Transmission Corporation of Uttarakhand Ltd	44.88	44.88	3.69	Data not furnished by ISTS Licensee for Apr'21. CERC Tariff Order dated 20.04.2018 and 22.06.2018 have been considered
54	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	33.98	2.79	Data not furnished by ISTS Licensee for Apr'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.
55	TAMILNADU TRANSMISSION CORPORATION LIMITED	0.59	0.59	0.05	Data not furnished by ISTS Licensee for Apr'21. CERC Tariff Order dated 16.11.2018 has been considered
56	CHHATTISGARH STATE POWER TRANSMISSION COMPANY LTD	0.75	0.75	0.06	As per data furnished by ISTS Licensee for Apr'21
57	HIMACHAL PRADESH POWER TRANSMISSION CORPORATION LTD	2.61	2.61	0.21	Data not furnished for Apr'21, data furnished by ISTS Licensee for Mar'21 has been considered
58	ODISHA POWER TRANSMISSION CORPORATION LIMITED	9.80	9.67	0.79	Data not furnished by ISTS Licensee for Apr'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.

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Apr'21 (₹ Cr)	Equivalent MTC to be considered for Apr'21 (₹ Cr)	Remarks
59	Uttarpradesh Power Transmission Corporation Limited (UPPTCL)	27.23	0.00	0.00	Data not furnished by ISTS Licensee for Apr'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
60	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for Apr'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
61	Gujarat Energy Transmission Corporation Limited(GETCO)	5.71	0.00	0.00	Data not furnished by ISTS Licensee for Apr'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
62	Maharashtra State Electricity Transmission Company Ltd (MAHATRANSCO)	97.68	0.00	0.00	Data not furnished by ISTS Licensee for Apr'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
63	West Bengal State Electricity Transmission Company Ltd (WBSETCL)	32.05	0.00	0.00	Data not furnished by ISTS Licensee for Apr'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
64	Haryana Vidyut Prasaran Nigam Limited (HVPNL)	8.09	0.00	0.00	Data not furnished by ISTS Licensee for Apr'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
65	Assam Electricity Grid Corporation Limited(AEGCL)	10.78	0.00	0.00	Data not furnished by ISTS Licensee for Apr'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
66	Meghalaya Power Transmission Corporation Limited (MePTCL)	3.61	0.00	0.00	Data not furnished by ISTS Licensee for Apr'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
67	Kerala State Electricity Board (KSEB)	10.06	0.00	0.00	Data not furnished by ISTS Licensee for Apr'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available

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

3359.09

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	3715477	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	20584932		As per Regulation 13(3) of Sharing Regulations 2020
5	765 kV D/C Darlipalli TPS (NTPC)-Jharsuguda (Sundergarh) Pooling Station transmission line alongwith one 765 kV line Bays at Jharsuguda (Sundergarh) Pooling Station	NTPC Darlipalli	ER	7510110		As per Regulation 13(3) of Sharing Regulations 2020
6	132kV D/C Melriat–Sihhmui T/L alongwith associated bays at Melriat (PG) & Sihhmui (Mizoram) S/S in place of 132kV D/C Melriat-Melriat Transmission Line	P & E Department, Govt. of Mizoram	NER	3842479	Mizoram	As per Regulation 13(12) of Sharing Regulations 2020
7	220 kV, 2 nos. Line bays at Hamirpur Sub-station	Himachal Pradesh Power Transmission Corporation Limited (HPPTCL)	NR	1620000	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
8	02 Nos. 220 KV Line Bays (HPSEB Future Bays)	Himachal Pradesh State Electricity Board (HPSEB)	NR	49573159	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2021
9	GIS substation 7X105 MVA (1-ph), 400/220 kV at Kala Amb (Himachal Pradesh) and LILO of Karcham Wangtoo - Abdullapur 400 kV D/C					As per Regulation 13(12) of Sharing Regulations 2022

Sl.No.	Name of the Asset	Name of the beneficiary	Region	MTC in ₹	State Control Area in which the Bilateral charges are included	Remarks
10	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
11	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
12	2 nos. 220 kV line bays (#211 and 212) at 400/220 kV Jaipur (South) substation	Rajasthan Rajya Vidyut Prasaran Nigam Limited (RRVPNL)	NR	3113918	Rajasthan	As per Regulation 13(12) of Sharing Regulations 2022
13	Extension of 400/220 kV Sikar Sub-station with 2 nos. 220 kV line bays					
14	400KV D/C Kota - Jaipur (South) line along with associated bays at Kota and Jaipur(South) (part of RAPPJaipur (S) 400KV D/C line with one ckt LILO at Kota)	RAPP 7&8, NPCIL	NR	34150000		As per Regulation 13(3) of Sharing Regulations 2020
15	One No. 220kv line Bays (206 no. Bay) associated with Baghpat GIS Substation	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	NR	5358822	Uttar Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
16	One No. 220kv line Bays (207 no. Bay) associated with Baghpat GIS Substation					
17	2 nos. 220kV bays (#206 & 207) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
18	1 no. 220 kV line bay (# 210) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
19	400kV Srinagar Sub-station	Uttarakhand	NR	30341589	Uttarakhand	As per Regulation 13(12) of Sharing Regulations 2020
20	400kV Srinagar-Srinagar PH Line					
21	2X500MVA 400/230kV transformers along with associated bays and equipment at new 400/230kV (GIS) Tirunelveli Pooling S/S	Betam	SR	897409		As per Regulation 13(3) of Sharing Regulations 2020

Sl.No.	Name of the Asset	Name of the beneficiary	Region	MTC in ₹	State Control Area in which the Bilateral charges are included	Remarks
22	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	15996781		As per Regulation 13(3) of Sharing Regulations 2020
23	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
24	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
25	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
26	HVDC Mundra-Mahendergarh	Adani Power Limited	WR	333748928		--
27	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
28	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
29	MBPMPL TPS-Jabalpur PS 400 kV D/c (Triple) line	MB Power	WR	12351910		As per Regulation 13(9) of Sharing Regulations 2020
30	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
31	1 no. 220 kV line bays at 400/220 kV Indore substation					
32	1 no. 220 kV line bay at 400/220 kV Indore substation					

Sl.No.	Name of the Asset	Name of the beneficiary	Region	MTC in ₹	State Control Area in which the Bilateral charges are included	Remarks
33	2 no. 400kV Line bays at Palatana GBPP Switchyard for Termination of Palatana- Surajmaninagar 400kV D/C Line.	PowerGrid Corporation of India Ltd	NER	5079998		As per Regulation 13(12) of Sharing Regulations 2020
34	2 nos. 220 kV Line bays (Bay No 209 & 211) at NP Kunta substation	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR	489176		As per Regulation 13(3) of Sharing Regulations 2020
35	230 kV D/C Kalpakkam PFBR-Kanchipuram transmission line and 2 numbers of 230 kV Bays at Kanchipuram Sub-station of TNEB	TamilNadu Transmission Corporation Ltd.	SR	3812096	Tamil Nadu	As per Regulation 13(3) of Sharing Regulations 2020
36	LILO of one ckt of 132 kV Biswanath-Chariyalli (PG)-Itanagar at Gohpur(AEGCL)	Assam Electricity Grid Corporation Limited (AEGCL)	NER	878065.96	Assam	As per Regulation 13(12) of Sharing Regulations 2020

TOTAL **552361244**

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 Apr'21

(As furnished by CTU- cumulative till Apr'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	Effective date of LTA/MTOA operationization	Exempted quantum in MW (as on Apr-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	No Billing for Jun'21 billing month
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 Delayed part Billing for Jun'21 billing month, due to Non availability of approved CERC tariff order for ATS.
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 Delayed part Billing for Jun'21 billing month, due to Non availability of approved CERC tariff order for ATS.
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 Delayed part Billing for Jun'21 billing month, due to Non availability of approved CERC tariff order for ATS.

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	Effective date of LTA/MTOA operationalization	Exempted quantum in MW (as on Apr-21)	Remarks
5	Green Infra Wind Energy Ltd.	WR	250	250	Assam (APDCL) - 50 MW, GRIDCO Ltd.-100 MW, Jharkhand (JBVNL)- 100 MW	151.2MW:14.04.19; 98.8 MW: 04.11.19	250	No Billing for Jun'21 billing month
6	Green Infra Wind Energy Ltd.	WR	300	300	PSPCL -200 MW, Bihar DISCOMs: 100 MW (NBPDCCL & SBPDCL)	300 MW: 04.11.19	300	No Billing for Jun'21 billing month
7	Adani Green Energy MP Ltd. (AGEMPL Dayapar)	WR	100	100	UPPCL - 40 MW , NPCL - 10 MW, PSPCL - 50 MW	100 MW: 04.11.19	100	No Billing for Jun'21 billing month
8	SEI Sunshine	WR	180	180	TPDDL-180 MW	90 MW:18.11.19; 90 MW: 01.04.20	180	No Billing for Jun'21 billing month
9	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	261.6	No Delayed part Billing for Jun'21 billing month, due to Non availability of approved CERC tariff order for ATS. Already included in Format II G(2).

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted / MTOA operationalised	LTA/MT OA with tied up beneficiaries	Name of the beneficiaries	Effective date of LTA/MTOA operationalization	Exempted quantum in MW (as on Apr-21)	Remarks
10	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 Jun'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	No Delayed part Billing for Jun'21 billing month, due to Non availability of approved CERC tariff order for ATS. Already included in Format II G(2).
11	Mytrah Energy (India) Pvt Ltd (GEC-I Corridor)	SR	250	250	UPPCL -100 MW, Jharkhand -50 MW, Bihar - 50 MW, Assam - 50 MW	75MW: 10.06.18; 50MW: 30.09.18; 125MW: 01.12.18;	250	No Billing for Jun'21 billing month
12	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;	1302	Already included in Format II G (1)
13	Karnataka Solar Power development Corporation Ltd	SR	2050	2050	Karnataka-1800 MW, UPPCL-200 MW	600MW: 12.07.18; 400MW: 28.09.18; 200MW: 30.12.19; 850 MW: 03.05.20	2050	No Billing for Jun'21 billing month

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted / MTOA operationalised	LTA/MT OA with tied up beneficiaries	Name of the beneficiaries	Effective date of LTA/MTOA operationalization	Exempted quantum in MW (as on Apr-21)	Remarks
14	Green Infra Renewable Energy Ltd.	SR	249.9	249.9	UPPCL -99.9 MW, Jharkhand -50 MW, Bihar - 50 MW, BRPL - 50 MW	249.9 MW: 10.10.18	249.9	No Billing for Jun'21 billing month
15	Orange Sironj Power Pvt. Ltd.	SR	200	200	Bihar - 100 MW, Haryana - 100 MW	200 MW: 22.02.19	200	No Billing for Jun'21 billing month
16	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	174.2	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).
17	Saurya Urja Company of Rajasthan Limited	NR	500	500	UPPCL-500 MW	500 MW: 27.10.19	500	No Billing for Jun'21 billing month
18	Adani Renewable EnergyPark Rajasthan Ltd.	NR	250	250	UPPCL-250 MW	250 MW: 27.10.19	250	No Billing for Jun'21 billing month
19	NTPC Ltd. (Auraiya Solar)	NR	20	20	UPPCL-20MW	15MW: 25.10.2020 5MW: 30.11.2020	20	No Billing for Jun'21 billing month

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted / MTOA operationalised	LTA/MT OA with tied up beneficiaries	Name of the beneficiaries	Effective date of LTA/MTOA operationalization	Exempted quantum in MW (as on Apr-21)	Remarks
20	Sprng Renewable Energy Pvt Limited	SR	300	300	UP-300 MW	300 MW: 30.11.19	153	Already included in Format II G(3)
21	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: 15.03.2021 43.8: 08.04.2021	0	No Billing for Jun'21 billing month. Already included in Format II G(2)
22	Continuum Power Trading (TN) Pvt. Ltd	WR	50	50	MP	15.02.2021	0	No Billing for Jun'21 billing month. Already included in Format II G(2)
23	Mahoba Solar (UP) Pvt. Ltd	NR	200	200	MSEDCL	26.10.2019	200	MTOA
24	Azure Power India Pvt. Ltd	NR	130	130	MSEDCL	26.10.2019	130	MTOA
25	Tata Power Renewable Energy Ltd	NR	150	150	MSEDCL	26.10.2019	150	MTOA
26	ACME Solar Holdings Ltd. (250MW)	NR	250	250	MSEDCL	26.10.2019	250	MTOA

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	Effective date of LTA/MTOA operationalization	Exempted quantum in MW (as on Apr-21)	Remarks
27	Renew Solar Power Private Limited	NR	250	250	MSEDCL	26.10.2019	250	MTOA
28	Adani Green Energy (MP) Limited	WR	75	75	MSEDCL	01.01.2020	75	MTOA
29	Azure Power India Pvt. Ltd (MTOA)	NR	300	300	GRIDCO	01.02.2021	300	MTOA
	Total		10505.1	10455.1			9325.8	

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