



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
उत्तर क्षेत्रीय विद्युत समिति
Northern Regional Power Committee

सं. उक्षेविस/वाणिज्यिक/202/क्षे.पा.ले./ 2021/5847-5886

दिनांक: 01 जुलाई, 2021

No: NRPC/Comm/202/RTA/ 2021/

Dated: 01st July, 2021

सेवामें,
To,s

संलग्न सूची के अनुसार
As per list enclosed

विषय : माह जुलाई 2021 के बिलिंग महीने (मई, 2021 की बिलिंग अवधि) का क्षेत्रीय पारेषण लेखा ।

Subject: Regional Transmission Account for the billing month of July 2021 (Billing period May 2021).

महोदय /Sir,

माह जुलाई 2021 के बिलिंग महीने (मई, 2021 की बिलिंग अवधि) के क्षेत्रीय पारेषण लेखा की एक प्रति इस पत्र के साथ संलग्न कर आपको आवश्यक कार्यवाही हेतु प्रेषित की जा रही है। यह लेखा केंद्रीय विद्युत विनियामक आयोग (अंतर-राज्यिक पारेषण प्रभारों तथा हानियों की हिस्सेदारी) विनियम 2021 के अंतर्गत तैयार किया गया है जो 01.11.2020 से लागू हो चुका है। इम्प्लेमेंटिंग एजेंसी द्वारा 25.06.2021 को मई 2021 के लिए बताये गये पारेषण शुल्क भी संलग्न हैं।

सभी घटकों से अनुरोध है कि यदि इस लेखा में कोई त्रुटि हो, तो उसे इस लेखा के जारी होने के 15 दिन के भीतर इस कार्यालय को सूचित करें। यदि 15 दिन के भीतर इस संबंध में किसी भी घटक से कोई सूचना नहीं प्राप्त होती है, तो इस लेखा को सही मान कर उसे पूर्णतया अंतिम समझा जायेगा।

Please find enclosed herewith the Regional Transmission Account for the billing month of July 2021 (Billing period May 2021) for further necessary action by the constituents. The account has been prepared in accordance with CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 which have come into effect from 01.11.2020 based on Transmission Charges payable by DICs for the month of May 2021 notified by implementing agency on 25.06.2021 (Annexure).

The constituents are requested to intimate the discrepancy / error, if any, within 15 days from the date of issue of this RTA. In case no such communication is received from any constituent within 15 days, the RTA will be treated as correct and closed.

अनुलग्नक – यथोपरि।
Encl.: As above.

भवदीय
Yours faithfully,
-sd-

(आर.पी.प्रधान)
(R.P.Pradhan)
अधीक्षण अभियंता
Superintending Engineer

Northern Regional Power Committee
Transmission Charges for Designated ISTS Customers (DICs) for the billing period May 2021

DIC	Net Transmission Charges Payable(Rs.)
Delhi	1664694914
UP	3753227990
Punjab	1455852143
Haryana	1631640090
Chandigarh	98202392
Rajasthan	1713365530
HP	556939950
J&K	694265707
Uttarakhand	456917874
ADHPL	45021927
GMR Kamalanga	27106949
WBSEDCL_Inj	162597634
MB Power	45469707
Jorthang	4496930
Tashiding	3658530
Northern Railways	2512948
North Central Railways	2047375
RAPP 7&8, NPCIL	35288333
TOTAL	12353306925

S.No.	Zone	LTA Demand / Injection (in MW)	Usage based AC system charges (Rs.)	Balance AC system charges (Rs.)	National Component (Rs.)		Regional Component (Rs.)	Transformers component (Rs.)	Bilateral Charges (Rs.)	Total Transmission charges payable in Rs.
			AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
1	Delhi		255123995	975833519	49750896	110605071	222672655	50708778		1664694914
2	UP	10428	895459304	1945792831	99202308	220544334	444004892	142686872	5537449	3753227990
3	Punjab	4288	224300976	800109675	40791972	90687792	182574734	116018566	1368429	1455852143
4	Haryana	3922	413951695	731710937	37304801	82935192	166967022	198770444		1631640090
5	Chandigarh	341	6527660	63701084	3247671	7220148	14535768	2970061		98202392
6	Rajasthan	4213	512286105	786176352	40081610	89108531	179395329	101586409	4731195	1713365530
7	HP	1750	18158059	326511844	16646545	37008224	74505802	31209878	52899598	556939950
8	J&K	2248	57672983	419508264	21387780	47548829	95726389	52421463		694265707
9	Uttarakhand	1194	73212178	222735891	11355738	25245822	50825465	39537648	34005132	456917874
10	ADHPL	169	1121574	31525962	1607287	3573285	7193819			45021927
11	GMR Kamalanga	75	7619931	13994124	713462	1586153	3193279			27106949
12	WBSEDCL_Inj	600	6701496	111952988	5707696	12689222	25546232			162597634
13	MB Power	175	0	32652955	1664745	3701023	7450984			45469707
14	Jorthang	13.9	876117	2600198	132566	294717	593332			4496930
15	Tashiding	14.1	0	2627284	133947	297787	599512			3658530
16	Northern Railways							2512948		2512948
17	North Central Railways							2047375		2047375
18	RAPP 7&8, NPCIL								35288333	35288333



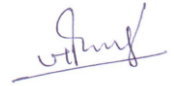
Notification of Transmission charges payable by DICs for Billing Month of July 2021

No: TC/06/2021

Date: 25.06.2021

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 **91st time block (22:30 Hrs to 22:45 Hrs) on 08th May, 2021** as a peak block for the billing period of May'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 16.06.2021 with last date of submission of comments as 18.06.2021. Comments have been received from Jindal Power Ltd., Teesta Valley Power Transmission Ltd. and Kohima Mariani 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 15.06.2021 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.06.2021.
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 July'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 July'21 shall be used by RPCs for preparation of Regional Transmission Account (RTA) for the billing month of July'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 May'21 is given at **Annexure-VIII**.



(जी चक्रवर्ती)

मुख्य महाप्रबंधक/ रा. भा. प्रे. के

Input Data furnished by DICs/ ISTS Licensees/ CTU

1. As per Regulation 24(1) of Sharing Regulations 2020, some of the ISTS Licensees have submitted YTC data by 28.05.2021. Essar Power Transmission Company Limited has submitted revised YTC data on 05.06.2021. PowerGrid has submitted its YTC along with its SPV's on 11.06.2021. Subsequently, PowerGrid has submitted revised format I (C) on 25.06.2021. 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	Transmission Corporation Of Andhra Pradesh (APTRANSCO)
41	Madhya Pradesh Power Transmission Co. Ltd.
42	Chhattisgarh State Power Transmission Company Ltd
43	Torrent Power Grid Ltd.
44	Raichur Sholapur Transmission Company Pvt Ltd.
45	PowerGrid Mithilanchal Transmission Ltd.
46	PowerGrid Ajmer PhagiTransmission 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 07.06.2021. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 16.06.2021. CTU has submitted data in formats II(D) and II-G(2) to II G(5) on 18.06.2021. Subsequently, CTU has submitted the data in formats IIA, II B, II C, II G(1), II E and II F on 21.06.2021 and revised format IIG(1) on 25.06.2021.
- 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 07.06.2021 is as mentioned below:

S.NO.	WR	SR	NR	NER	ER	Others
1	Gujarat	Andhra Pradesh	Uttar Pradesh	Assam	DVC	NTPC
2	MP	Telangana	Haryana	Manipur	Odisha	NHPC
3	Chattisgarh	Karnataka	Himachal Pradesh	Meghalaya	JITPL	
4	Maharashtra	Kerala	Delhi	Mizoram		
5	Goa	Tamil Nadu	Rajasthan	Nagaland		
6	Daman and Diu(DD)	NLC TPS 1 EXP	Punjab	Tripura		
7	Dadar Nagar Haveli(DNH)	NLC TS-II EXP	BBMB	Palatana GBPP		
8	AMNSIL	Vallur(NTECL)	Azure Power India Pvt. Ltd. (Bhadla)			
9	Ratnagiri Dabhol	Tuticorin TPP (NTPL)	Azure Power Thirty Four Pvt. Ltd.			

10	TAPS 1 & 2	IL&FS	ReNew Solar Power Private Limited (Bikaner)			
11	TAPS 3 & 4	ACME Kurukshetra Solar Energy Pvt. Ltd. (Pavagada Solar Park)	ReNew Solar Power Private Limited (Bhadla)			
12	Jindal power	ACME REWARI Solar Power Pvt Ltd. (Pavagada Solar Park)				
13	LANCO	ReNew Wind Energy (TN2) Private Limited (Pavagada Solar Park)				
14	NSPCL Bhilai	Fortum Finnsurya Energy Private Ltd. (Pavagada Solar Park)				
15	CGPL	Yarrow Infra Structure Private Ltd. (Pavagada Solar Park)				
16	SSP	Adyah Solar Energy Pvt, Ltd. (Pavagada Solar Park) 1,2,3,6,10 &13				
17	KAPS	Azure Power Earth Private Ltd. (Pavagada Solar Park)				
18	Essar Mahan	Fortum Solar India Private Limited. (Pavagada Solar Park)				
19	BALCO					
20	KSK Mahanadi					
21	Sasan UMPP					
22	Tamnar TPP (Jindal Extn.)					
23	DGEN					
24	DB Power Ltd.					
25	REGL RAIGARH					
26	Dhariwal					
27	Raikheda TPP (GMR chhattisgarh) REL					
28	JP Nigrie					
29	GMR Warora Energy Ltd.(GWEL)(formally EMCO)					
30	ACBIL+Spectrum+MCCPL					
31	MB Power (Anuppur)					
32	RKM Power					
33	Jhabua Power					
34	TRN Energy					
35	SKS Power					
36	Badwar					

37	Barsaita Desh					
38	Ramnagar Pahad					
39	Ostro					
40	Bhuvad					
41	Vadva					
42	Naranpar Roha					
43	Dayapar					
44	Ratadiya					
45	Nanavalka					
46	Gadhsissa					

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 May'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 May'21. For the ISTS licensees who have not submitted YTC data for May'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 May'21 as furnished by ISTS licensees have been considered in the computations.
- D. Yearly Transmission Charges (YTC) based on approved/ adopted tariff by CERC has only been considered in line with Sharing Regulations 2020. RPC certified non-ISTS lines as ISTS lines have not been considered in the computations.
- E. The assets of State Utilities whose approved Tariff by the Commission is not available as on 31.03.2019 are not being considered in the computations since 2019-20 Q3 in line with Terms & Conditions of Tariff Regulations. The same is continued in this computations.
- F. As per minutes of Validation Committee meeting held for 2020-21 Q2 PoC computations, for the assets of Essar Power transmission limited, combined tariff of LILO of 400kV Vindhyachal-Korba at Mahan, GIS S/s at Hazira and 400kV Hazira-Gandhar line) was being excluded from PoC computations in the absence of exclusive tariff of LILO of 400kV Vindhyachal-Korba at Mahan since 2020-21 Q2. As per CERC Order dated 04.06.2021 in I.A. No. 32/2021 in Petition No. 92/MP/2021, Exclusive tariff of 400kV Hazira-Gandhar Line and GIS S/s at Hazira has been approved and same has been considered for billing period May,2021.
- G. New assets of Powergrid Mithilanchal Transmission Ltd. and Powergrid Ajmer Phagi 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 has been bypassed to counter loop flows in the network. Power flow on HVDC BNC-Agra has been reduced to zero 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 July'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	255123995	975833519	49750896	110605071	222672655	50708778		1664694914
2	UP	NR	10428	895459304	1945792831	99202308	220544334	444004892	142686872	5537449	3753227990
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6	Rajasthan	NR	4213	512286105	786176352	40081610	89108531	179395329	101586409	4731195	1713365530
7	HP	NR	1750	18158059	326511844	16646545	37008224	74505802	31209878	52899598	556939950
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11	GMR Kamalanga	NR	75	7619931	13994124	713462	1586153	3193279			27106949
12	WBSEDCL_Inj	NR	600	6701496	111952988	5707696	12689222	25546232			162597634
13	MB Power	NR	175	0	32652955	1664745	3701023	7450984			45469707
14	Jorthang	NR	13.9	876117	2600198	132566	294717	593332			4496930
15	Tashiding	NR	14.1	0	2627284	133947	297787	599512			3658530
16	Northern Railways	NR							2512948		2512948
17	North Central Railways	NR							2047375		2047375
18	RAPP 7&8, NPCIL	NR								35288333	35288333
19	Gujarat	WR	6943	442096049	1295493439	66048110	146836669	95011283	53986961	975778	2100448289
20	Madhya Pradesh	WR	8024	617704133	1497217943	76332626	169700972	109805726	123525415	4242248	2598529062
21	Maharashtra	WR	7111	939128434	1326838076	67646153	150389402	97310094	77627548		2658939707
22	Chattisgarh	WR	2787	77331772	519945360	26508362	58932791	38132710	23132268		743983263
23	Goa	WR	513	49784303	95696814	4878908	10846679	7018389	11758441	1453413	181436947
24	Daman Diu	WR	446	14407981	83283686	4246050	9439723	6108012	17448056		134933507

S.No.	Zone	Region	LTA Demand / Injection (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
25	Dadra Nagar Haveli	WR	1033	81491793	192763290	9827646	21848601	14137229	9851162		329919721
26	Jindal Power Limited	WR	114	9781808	21345703	1088267	2419412	1565490			36200681
27	Spectrum Coal & Power	WR	28	7813135	5131179	261603	581589	376320			14163825
28	ACB Ltd	WR	23	0	4291531	218795	486420	314740			5311487
29	Torrent Power	WR	200	9288990	37317663	1902565	4229741	2736871			55475831
30	Sembcorp Energy India Ltd Project-I	WR	115	8857584	21457656	1093975	2432101	1573701			35415017
31	DB Power	WR	186	22365113	34705426	1769386	3933659	2545290			65318875
32	TRN Energy Pvt. Ltd.	WR	3	249382	559765	28538	63446	41053			942184
33	CSPTCL	WR	261	7948631	48699550	2482848	5519812	3571617			68222458
34	WBSEDCL_Inj	WR	400	4467664	74635326	3805131	8459481	5473743			96841345
35	KSK Mahanadi	WR	400	45153152	74635326	3805131	8459481	5473743			137526833
36	GMR Warora Energy Ltd, Maharashtra	WR	200	5555681	37317663	1902565	4229741	2736871			51742521
39	MB Power	WR								12763640	12763640
40	Adani Power Limited	WR								344873892	344873892
41	Essar Steel	WR							13208787		13208787
42	Andhra Pradesh	SR	1653	340887822	308513065	15728914	34968167	23390855	31217633		754706455
43	Telangana	SR	4250	213775203	792982554	40428610	89879974	60122381	32034612		1229223335
44	Tamil Nadu	SR	8597	778426248	1604103196	81781954	181815795	121619956	90309434		2858056584
45	Kerala	SR	2756	179599945	514278070	26219426	58290437	38991554	50977191		868356622
46	Karnataka	SR	5887	455851494	1098410864	56000254	124498502	83279356	105807962	3548778	1927397210
47	Pondicherry	SR	531	12734824	99105575	5052697	11233042	7513990	12572208		148212337

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		
48	Goa-SR	SR	90	1789653	16713648	852112	1894395	1267196			22517004
49	Sembcorp Energy India Ltd Project-I	SR	55	4236236	10262357	523206	1163179	778072		665997	17629046
50	Sembcorp Energy India Ltd Project-II	SR	490	50779168	91428274	4661285	10362865	6931912			164163504
51	BHAVINI	SR								20469173	20469173
52	Betam	SR								823324	823324
53	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								505482	505482
54	West Bengal	ER	2540	136961981	473858231	24158703	53709083	69366131	49150622		807204751
55	Odisha	ER	1674	131770586	312265648	15920232	35393500	45711267	67514017		608575250
56	Bihar	ER	4440	335911726	828473642	42238051	93902683	121276803	154445083		1576247989
57	Jharkhand	ER	842	34691582	157039311	8006331	17799495	22988330	51937563	3839327	296301940
58	Sikkim	ER	102	573531	19034512	970436	2157452	2786383	2657981		28180294
59	DVC	ER	622	39050167	116093673	5918801	13158545	16994469	8424802		199640456
60	Bangladesh	ER	782	15431457	145993085	7443162	16547470	21371319			206786492
61	BRBCL Nabinagar	ER								6171484	6171484
62	NPGC Nabinagar	ER								21271096	21271096
63	NTPC Darlipalli	ER								7760447	7760447
64	Arunachal Pradesh	NER	288	1680367	53692676	2737412	6085754	8774223	14864840		87835272
65	Assam	NER	1623	46378307	302876246	15441532	34329266	49494715	23368764	1008150	472896980
66	Manipur	NER	237	6062860	44280365	2257545	5018923	7236104	4494522		69350317
67	Meghalaya	NER	336	9497800	62746001	3198978	7111895	10253678	706369		93514720
68	Mizoram	NER	136	7935259	25451766	1297607	2884810	4159217	1532249	3970562	47231470
69	Nagaland	NER	170	7013403	31729556	1617667	3596361	5185106	25303630		74445723
70	Tripura	NER	353	11827370	65916284	3360608	7471229	10771752	24777745		124124987
71	PowerGrid Corporation of India Ltd	NER								5249332	5249332
TOTAL			101904	7639304667	19014017901	969391210	2155128670	2609982866	1823106302	573422257	34784353875

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 Operational ization	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	4886977
2	Madhya Bharat Power Corporation Limited	Sikkim	96	96	0	NA	31.01.2021	96	2651914

Transmission Charges for Short Term Open Access (STOA)

S.No.	State	Region	STOA rate (paise/kWh)
1	Delhi	NR	44.21
2	UP	NR	49.91
3	Punjab	NR	47.11
4	Haryana	NR	57.79
5	Chandigarh	NR	39.95
6	Rajasthan	NR	56.32
7	HP	NR	40.01
8	J&K	NR	42.89
9	Uttarakhand	NR	49.21
10	Gujarat	WR	42.00
11	Madhya Pradesh	WR	44.90
12	Maharastra	WR	51.93
13	Chattisgarh	WR	37.08
14	Goa	WR	48.74
15	Daman Diu	WR	41.99
16	Dadra Nagar Haveli	WR	44.35
17	Andhra Pradesh	SR	63.40
18	Telangana	SR	40.17
19	Tamil Nadu	SR	46.17
20	Kerala	SR	43.76
21	Karnataka	SR	45.39
22	Pondicherry	SR	38.76
23	Goa-SR	SR	34.91
24	West Bengal	ER	44.15
25	Odisha	ER	50.51
26	Bihar	ER	49.31
27	Jharkhand	ER	48.26
28	Sikkim	ER	38.37
29	DVC	ER	44.56
30	Bangladesh	ER	36.71
31	Arunachal Pradesh	NER	42.39
32	Assam	NER	40.38
33	Manipur	NER	40.59
34	Meghalaya	NER	38.62
35	Mizoram	NER	44.05
36	Nagaland	NER	60.80
37	Tripura	NER	48.80

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	10064.72	
2	Delhi	NR	5226.12	
3	Haryana	NR	3865.08	
4	Uttarakhand	NR	1193.73	
5	Punjab	NR	4288.10	
6	Rajasthan	NR	4212.48	
7	Himachal Pradesh	NR	1749.91	
8	Jammu & Kashmir	NR	2248.31	
9	Chandigarh	NR	341.40	
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	13.94	
25	Tashiding	NR	14.08	
26	Gujarat	WR	6828.93	
27	Madhya Pradesh	WR	7822.99	
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	BIHAR	ER	4364.21	
56	JHARKHAND	ER	771.64	
57	DVC	ER	339.69	
58	ORISSA	ER	1673.55	
59	WEST BENGAL	ER	2504.44	
60	SIKKIM	ER	102.01	
61	Bangladesh	ER	782.43	
62	TATA Steel Ltd.	ER	200.00	DVC
63	Railways_Jharkhand	ER	70.00	Jharkhand
64	Railways_Bihar	ER	75.00	Bihar
65	Railways_DVC	ER	82.50	DVC
66	Railways_West Bengal	ER	33.75	West Bengal
67	HVDC Alipurduar	ER	1.41	West Bengal
68	POWERGRID PUSAULI	ER	0.91	Bihar
69	Andhra Pradesh	SR	1650.97	
70	Karnataka	SR	5842.81	
71	KSEB	SR	2755.28	
72	Tamil Nadu	SR	8581.67	
73	Telangana	SR	4249.90	
74	Puducherry	SR	531.15	
75	Goa	SR	89.58	
76	SAIL, Salem	SR	13.65	Tamil Nadu
77	Railways_Karnataka	SR	42.50	Karnataka
78	PG-HVDC Gazuwaka	SR	0.98	Andhra Pradesh
79	PG-HVDC Talcher	SR	1.50	Andhra Pradesh
80	PG-HVDC Kolar	SR	1.50	Karnataka
81	PG-HVDC Pugalur	SR	1.70	Tamil Nadu
82	PG-HVDC Thrissur	SR	0.94	Kerala
83	Sembcorp Energy India Ltd Project-I	SR	55.00	
84	Sembcorp Energy India Ltd Project-II	SR	490.00	
85	Arunachal Pradesh	NER	287.76	
86	Assam	NER	1621.87	
87	Manipur	NER	237.32	
88	Meghalaya	NER	336.28	
89	Mizoram	NER	136.41	
90	Nagaland	NER	170.05	
91	Tripura	NER	353.27	
92	PG-HVDC BNC	NER	1.37	Assam

TOTAL

101903.58

***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 May'21

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for May'21 (₹ Cr)	Equivalent MTC to be considered for May'21 (₹ Cr)	Remarks
1	POWERGRID	32386.40	32386.40	2750.63	As per data furnished by ISTS Licensee for May'21. MTC of the assets listed under Regulation 13(3) shall be partly settled through the bilateral payments from respective entities as detailed in the transmission charges bill. PowerGrid assets for bilateral payments as mentioned in format I-C are also included in this total YTC claimed.
2	Adani Transmission (India) Limited	772.64	772.64	65.62	As per data furnished by ISTS Licensee for May'21
3	CHHATTISGARH-WR TRANSMISSION LIMITED.	165.00	165.00	14.01	As per data furnished by ISTS Licensee for May'21
4	RAIPUR RAJNANDGAON-WR TRANSMISSION LIMITED.	219.74	219.74	18.66	As per data furnished by ISTS Licensee for May'21
5	SIPAT TRANSMISSION LIMITED.	94.65	94.65	8.04	As per data furnished by ISTS Licensee for May'21
6	Western Transmission Gujarat Limited	55.57	55.57	4.72	As per data furnished by ISTS Licensee for May'21
7	Western Transco Power Limited	102.21	102.21	8.68	As per data furnished by ISTS Licensee for May'21
8	ALIPURDUAR TRANSMISSION LIMITED	159.40	159.40	13.54	As per data furnished by ISTS Licensee for May'21
9	ARAVALI POWER COMPANY PRIVATE LIMITED	12.77	12.77	1.08	As per data furnished by ISTS Licensee for May'21
10	Essar Power Transmission Company Limited	399.59	399.59	33.94	As per CERC Order dated 04.06.2021 in I.A. No. 32/2021 in Petition No. 92/MP/2021, excluding tariff of LILO of 400kV Vindhychal-Korba at Mahan
11	Essar Power Transmission Company Limited (NTPC portion)	3.46	3.46	0.29	As per data furnished by ISTS Licensee for May'21
12	Jindal Power Limited	19.12	19.12	1.62	As per data furnished by ISTS Licensee for May'21
13	Kudgi Transmission Limited	196.29	196.29	16.67	As per data furnished by ISTS Licensee for May'21

14	Parbati Koldam Transmission Company Limited (JV of Rinfra and PowerGrid Corporation of India Limited)	171.37	171.37	14.55	As per data furnished by ISTS Licensee for May'21
15	BHOPAL DHULE TRANSMISSION COMPANY LTD.	259.84144	259.84	22.07	As per data furnished by ISTS Licensee for May'21
16	EAST NORTH INTERCONNECTION COMPANY LIMITED	143.51809	143.52	12.19	As per data furnished by ISTS Licensee for May'21
17	GURGAON PALWAL TRANSMISSION LIMITED	144.09894	144.10	12.24	As per data furnished by ISTS Licensee for May'21
18	JABALPUR TRANSMISSION COMPANY LIMITED	146.82297	146.82	12.47	As per data furnished by ISTS Licensee for May'21
19	MAHESHWARAM TRANSMISSION LIMITED	55.90336	55.90	4.75	As per data furnished by ISTS Licensee for May'21
20	KHARGONE TRANSMISSION COMPANY LTD.	103.52633	103.53	8.79	As per data furnished by ISTS Licensee for May'21
21	NRSS-XXIX TRANSMISSION LIMITED	501.80756	501.81	42.62	As per data furnished by ISTS Licensee for May'21
22	ODISHA GENERATION PHASE-II TRANSMISSION LIMITED	157.70255	157.70	13.39	As per data furnished by ISTS Licensee for May'21
23	Patran Transmission Company Limited	30.66607	30.67	2.60	As per data furnished by ISTS Licensee for May'21
24	PURULIA & KHARAGPUR TRANSMISSION COMPANY LIMITED	72.38321	72.38	6.15	As per data furnished by ISTS Licensee for May'21
25	RAPP TRANSMISSION COMPANY LIMITED	43.99696	44.00	3.74	As per data furnished by ISTS Licensee for May'21
26	NER-II Transmission Limited	409.31555	409.32	34.76	As per data furnished by ISTS Licensee for May'21
27	Teestavalley Power Transmission Limited	289.56	289.56	24.59	As per data furnished by ISTS Licensee for May'21
28	Torrent Power Grid Limited	46.68	47.45	4.03	As per data furnished by ISTS Licensee for May'21
29	Darbhanga-Motihari Transmission Company Limited	119.03	119.03	10.11	As per data furnished by ISTS Licensee for May'21
30	NRSS XXXI (B) Transmission Limited	90.76	90.76	7.71	As per data furnished by ISTS Licensee for May'21
31	Jaypee Powergrid Limited	161.36	161.36	13.70	Data not furnished for May'21. Considered the same as in the earlier billing period.

32	KOHIMA MARIANI TRANSMISSION LIMITED	222.20	222.20	18.87	As per data furnished by ISTS Licensee for May'21
33	RAICHUR SHOLAPUR TRANSMISSION COMPANY PRIVATE LIMITED	35.20	35.20	2.99	As per data furnished by ISTS Licensee for May'21
34	DAMODAR VALLEY CORPORATION	137.08	137.08	11.64	Data not furnished for May'21.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	12.06	As per data furnished by ISTS Licensee for May'21
36	NRSS XXXVI Transmission Limited	1.28	1.28	0.11	Data not furnished by ISTS Licensee for May'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.
37	Warora-Kurnool Transmission Limited	6.19	6.19	0.53	Data as furnished by ISTS Licensee for May'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	285.53	285.53	24.25	As per data furnished by ISTS Licensee for May'21
39	POWERGRID NM TRANSMISSION LIMITED	113.84	113.84	9.67	As per data furnished by ISTS Licensee for May'21
40	POWERGRID UNCHAHR TRANSMISSION LIMITED	20.27	20.27	1.72	As per data furnished by ISTS Licensee for May'21
41	POWERGRID PARLI TRANSMISSION LIMITED	326.22	326.22	27.71	As per data furnished by ISTS Licensee for May'21
42	POWERGRID KALA AMB TRANSMISSION LIMITED	70.578	70.58	5.99	As per data furnished by ISTS Licensee for May'21. Bilateral payment of HPSEB is also included in the claimed YTC
43	POWERGRID Southern Interconnector Transmission System Limited	449.68	449.68	38.19	As per data furnished by ISTS Licensee for May'21
44	POWERGRID JABALPUR TRANSMISSION LIMITED	243.68	243.68	20.70	As per data furnished by ISTS Licensee for May'21
45	POWERGRID WARORA TRANSMISSION LIMITED	364.20	364.20	30.93	As per data furnished by ISTS Licensee for May'21
46	POWERGRID MEDINIPUR JEERAT TRANSMISSION LIMITED	319.23	319.23	27.11	As per data furnished by ISTS Licensee for May'21
47	POWERGRID MITHILANCHAL TRANSMISSION LIMITED	119.73	119.73	10.17	As per the data furnished by the licensee for May'21.
48	POWERGRID AJMER PHAGI TRANSMISSION LIMITED	52.54	52.54	3.74	As per the data furnished by the licensee for May'21. New assest CoD w.e.f. 06.05.2021;hence cost of new assets has been considered for 26 days.

49	NORTH EAST TRANSMISSION COMPANY LIMITED	351.53	351.53	29.86	Data not furnished for May'21, data furnished by ISTS Licensee for Mar'21 has been considered
50	Transmission Corporation of Andhra Pradesh (APTRANSCO)	283.72	57.74	4.90	As per data furnished by ISTS Licensee for May'21. CERC approved ISTS lines are only considered as per Sharing Regulations 2020
51	Madhya Pradesh Power Transmission Co. Ltd.	12.54	12.54	1.06	As per data furnished by ISTS Licensee for May'21
52	KARNATAKA POWER TRANSMISSION CORPORATION LIMITED	1.42	1.42	0.12	Data not furnished by ISTS Licensee for May'21. CERC Tariff Order dated 12.06.2019 has been considered
53	DELHI TRANSCO LIMITED	3.12	3.12	0.26	Data not furnished by ISTS Licensee for May'21. Data as furnished by ISTS Licensee for Dec'20 has been considered.
54	Power Transmission Corporation of Uttarakhand Ltd	44.88	44.88	3.81	Data not furnished by ISTS Licensee for May'21. CERC Tariff Order dated 20.04.2018 and 22.06.2018 have been considered
55	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	33.98	2.89	Data not furnished by ISTS Licensee for May'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.
56	TAMILNADU TRANSMISSION CORPORATION LIMITED	0.59	0.59	0.05	Data not furnished by ISTS Licensee for May'21. CERC Tariff Order dated 16.11.2018 has been considered
57	CHHATTISGARH STATE POWER TRANSMISSION COMPANY LTD	0.75	0.75	0.06	As per data furnished by ISTS Licensee for May'21
58	HIMACHAL PRADESH POWER TRANSMISSION CORPORATION LTD	2.61	2.61	0.22	Data not furnished for May'21, data furnished by ISTS Licensee for Mar'21 has been considered
59	ODISHA POWER TRANSMISSION CORPORATION LIMITED	9.80	9.67	0.82	Data not furnished by ISTS Licensee for May'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.
60	Uttarpradesh Power Transmission Corporation Limited (UPPTCL)	27.23	0.00	0.00	Data not furnished by ISTS Licensee for May'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
61	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for May'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
62	Gujarat Energy Transmission Corporation Limited (GETCO)	5.71	0.00	0.00	Data not furnished by ISTS Licensee for May'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
63	Maharashtra State Electricity Transmission Company Ltd (MAHATRANSCO)	97.68	0.00	0.00	Data not furnished by ISTS Licensee for May'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

64	West Bengal State Electricity Transmission Company Ltd (WBSETCL)	32.05	0.00	0.00	Data not furnished by ISTS Licensee for May'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	Haryana Vidyut Prasaran Nigam Limited (HVPNL)	8.09	0.00	0.00	Data not furnished by ISTS Licensee for May'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	Assam Electricity Grid Corporation Limited(AEGCL)	10.78	0.00	0.00	Data not furnished by ISTS Licensee for May'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	Meghalaya Power Transmission Corporation Limited (MePTCL)	3.61	0.00	0.00	Data not furnished by ISTS Licensee for May'21. YTC has been considered as zero in line with CERC terms & conditions for Traiff Regulations 2019 as tariff as on 31.03.2019 is not available
68	Kerala State Electricity Board (KSEB)	10.06	0.00	0.00	Data not furnished by ISTS Licensee for May'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 May'21 from the claimed assets of ISTS licensees (₹ Crores)

3478.44

Details of Entity-wise bilateral billing

Sl.No.	Name of the Asset	Name of the beneficiary	Region	MTC in ₹	State Control Area in which the Bilateral charges are included	Remarks
1	400 kV D/C Nabinagar-Sasaram Transmission Line and associated 400 kV line bays at Sasaram S/S	BRBCL Nabinagar	ER	6171484		As per Regulation 13(3) of Sharing Regulations 2020
2	02 Nos of 132 kV line bays at Daltonganj Substation	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	ER	3839327	Jharkhand	As per Regulation 13(12) of Sharing Regulations 2020
3	04 Nos. 220 KV Bays at Daltonganj Sub-station;					
4	400kV D/C (Quad) Nabinagar-II – Gaya transmission line with 02 nos. associated bays at Gaya Sub-station	NPGC Nabinagar	ER	21271096		As per Regulation 13(3) of Sharing Regulations 2020
5	765 kV D/C Darlipalli TPS (NTPC)- Jharsuguda (Sundergarh) Pooling Station transmission line alongwith one 765 kV line Bays at Jharsuguda (Sundergarh) Pooling Station	NTPC Darlipalli	ER	7760447		As per Regulation 13(3) of Sharing Regulations 2020
6	132kV D/C Melriat– Sihhmui T/L alongwith associated bays at Melriat (PG) & Sihhmui (Mizoram) S/S in place of 132kV D/C Melriat-Melriat Transmission Line	P & E Department, Govt. of Mizoram	NER	3970562	Mizoram	As per Regulation 13(12) of Sharing Regulations 2020
7	220 kV, 2 nos. Line bays at Hamirpur Sub-station	Himachal Pradesh Power Transmission Corporation Limited (HPPTCL)	NR	1674000	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2020

8	02 Nos. 220 KV Line Bays (HPSEB Future Bays)	Himachal Pradesh State Electricity Board (HPSEB)	NR	51225598	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2021
9	GIS substation 7X105 MVA (1-ph), 400/220 kV at Kala Amb (Himachal Pradesh) and LILO of Karcham Wangtoo - Abdullapur 400 kV D/C					As per Regulation 13(12) of Sharing Regulations 2022
10	220kV, 2 Nos. Line bays at Jalandhar Substation	Punjab State Transmission Corporation Limited (PSTCL)	NR	1368429	Punjab	As per Regulation 13(12) of Sharing Regulations 2020
11	Asset-B(ii) 2 nos. 220 kV Line Bays at Kotputli S/S	Rajasthan DISCOMs	NR	1513479	Rajasthan	As per Regulation 13(12) of Sharing Regulations 2021
12	2 nos. 220 kV line bays (#211 and 212) at 400/220 kV Jaipur (South) Substation	Rajasthan Rajya Vidyut Prasaran Nigam Limited (RRVPNL)	NR	3217715	Rajasthan	As per Regulation 13(12) of Sharing Regulations 2022
13	Extension of 400/220 kV Sikar Sub-station with 2 nos. 220 kV line bays					
14	400KV D/C Kota - Jaipur (South) line along with associated bays at Kota and Jaipur(South) (part of RAPPJaipur (S) 400KV D/C line with one ckt LILO at Kota)	RAPP 7&8, NPCIL	NR	35288333		As per Regulation 13(3) of Sharing Regulations 2020

15	One No. 220kv line Bays (206 no. Bay) associated with Baghpat GIS Substation	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	NR	5537449	Uttar Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
16	One No. 220kv line Bays (207 no. Bay) associated with Baghpat GIS Substation					
17	2 nos. 220kV bays (#206 & 207) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
18	1 no. 220 kV line bay (# 210) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
19	400kV Srinagar Sub-station	Uttarakhand	NR	31352975	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 Sub-station	Betam	SR	823324		As per Regulation 13(3) of Sharing Regulations 2020
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	20469173		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	838359	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	2710419	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	665997		As per Regulation 13(9) of Sharing Regulations 2020
26	HVDC Mundra-Mahendergarh	Adani Power Limited	WR	344873892		--
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	1453413	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	975778	Gujarat	As per Regulation 13(12) of Sharing Regulations 2021
29	MBPMPL TPS- Jabalpur PS 400 kV D/c (Triple) line	MB Power	WR	12763640		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	4242248	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					
33	2 no. 400kV Line bays at Palatana GBPP Switchyard for Termination of Palatana-Surajmaninagar 400kV D/C Line.	PowerGrid Corportaion of India Ltd	NER	5249332		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	505482		As per Regulation 13(3) of Sharing Regulations 2020
35	LILO of one ckt of 132 kV Biswanath-Chariyalli (PG)-Itanagar at Gohpur(AEGCL)	Assam Electricity Grid Corporation Limited (AEGCL)	NER	1008149.80	Assam	As per Regulation 13(12) of Sharing Regulations 2020
36	04 Nos. 220 kV bays at Dehradun Substation	Power Transmission Corporation Of Uttarakhand Limited	NR	2652156.16	Uttrakhand	As per Regulation 13(12) of Sharing Regulations 2020

TOTAL

573422257

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 May'21

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

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 (for entire LTA granted)	Effective date of LTA/MTOA operationization	Exempted quantum in MW (as on May-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 July'21 billing month
2	Ostro Kutch Wind Private Limited	WR	300	250	GRIDC O-50 MW, Jharkhand-50 MW, Bihar-50 MW, UPPCL - 100MW	126MW: 24.08.18; 50MW: 02.11.18; 50MW: 29.12.18; 24MW: 30.03.19; 50MW: 14.04.19	250	No Billing for July'21 billing month

3	Inox Wind Infrastructure Services Limited	WR	500	500	Bihar - 50 MW, Jharkh and - 50 MW, UP - 200 MW, BRPL - 50 MW, Haryana - 150 MW	500MW: 14.04.2019	200	No Billing for July'21 billing month
4	ReNew Power Limited	WR	300	300	UP - 100 MW, PSPCL - 100 MW, GRIDCO - 50 MW, GOA - 50 MW	300MW: 01.05.19	230.1	No Billing for July'21 billing month
5	Green Infra Wind Energy Ltd.	WR	250	250	Assam (APDC L) - 50 MW, GRIDCO Ltd.- 100 MW, Jharkh and (JBVNL)- 100 MW	151.2MW:14.04.19; 98.8 MW: 04.11.19	250	No Billing for July'21 billing month

6	Green Infra Wind Energy Ltd.	WR	300	300	PSPCL -200 MW, Bihar DISCO Ms: 100 MW (NBPD CL & SBPDC L)	300 MW: 04.11.19	300	No Billing for July'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 July'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 July'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 July'21 billing month, due to Non availability of approved CERC tariff order for ATS. Already included in Format II G(2).

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 Billing for July'21 billing month. Already included in Format II G(2).
			37.5	37.5	GRIDCO	30: 10.12.2020 6.25: 20.12.2020 0.625: 27.01.21 0.625: 19.02.21	37.5	No Billing for July'21 billing month. 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 July'21 billing month
12	AP Solar Power Corporation Pvt Ltd (NP Kunta)	SR	1500	1500	Andhra Pradesh - 1500 MW	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 July'21 billing month

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 July'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 July'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 Delayed part Billing for July'21 billing month, due to Non availability of approved CERC tariff order for ATS.
18	Adani Renewable Energy Park Rajasthan Ltd.	NR	250	250	UPPCL -250 MW	250 MW: 27.10.19	250	No Billing for July'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 July'21 billing month
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 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 July'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 July'21 billing month. Already included in Format II G(2)

23	Avikiran Solar India Private Ltd.. (AS IPL)	WR	285	285	MSED CL-100M W MPPM CL-185M W	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
24	Mahoba Solar (UP) Pvt. Ltd	NR	200	200	MSED CL	26.10.2019	200	MTOA
25	Azure Power India Pvt. Ltd	NR	130	130	MSED CL	26.10.2019	130	MTOA
26	Tata Power Renewable Energy Ltd	NR	150	150	MSED CL	26.10.2019	150	MTOA
27	ACME Solar Holdings Ltd. (250MW)	NR	250	250	MSED CL	26.10.2019	250	MTOA
28	Renew Solar Power Private Limited	NR	250	250	MSED CL	26.10.2019	250	MTOA
29	Adani Green Energy (MP) Limited	WR	75	75	MSED CL	01.01.2020	75	MTOA
30	Azure Power India Pvt. Ltd (MTOA)	NR	300	300	GRIDCO	01.02.2021	300	MTOA
	Total		10790.1	10740.1			9575.8	

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