



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./2022/

No.: NRPC/CommI/202/RTA/ 2022/

दिनांक: 01, अप्रैल, 2022

Dated: 01 April, 2022

सेवा में,

To,

संलग्न सूची के अनुसार

As per list enclosed

**विषय: अप्रैल, 2022 माह के बिलिंग महीने (फरवरी, 2022 की बिलिंग अवधि ) का क्षेत्रीय पारेषण लेखा ।**

**Subject: Regional Transmission account for billing month of April, 2022 (billing period February, 2022)**

महोदय/ Sir,

अप्रैल, 2022 माह के बिलिंग महीने (फरवरी, 2022 की बिलिंग अवधि) के क्षेत्रीय पारेषण लेखा की एक प्रति इस पत्र के साथ संलग्न कर आपको आवश्यक कार्यवाही हेतु प्रेषित की जाती है। यह लेखा केंद्रीय विद्युत विनियामक आयोग (अंतर-राजकीय पारेषण प्रभारी तथा हानियों की हिस्सेदारी) विनिमय, 2020 के अंतर्गत तैयार किया गया है जो 01.11.2020 से लागू हो चुका है। इम्प्लेमेंटिंग एजेंसी द्वारा को फरवरी, 2022 के लिए बताये गए पारेषण शुल्क भी संलग्न है।

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

Please find enclosed herewith the Regional Transmission Account for the billing month of April, 2022 (Billing period February, 2022) 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 came into effect from 01.11.2020. Transmission Charges payable by DICs for the months of February, 2022 notified by implementing agency on 25.03.2022 is also enclosed. **(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/-

(सौमित्र मजूमदार)

अधीक्षण अभियंता

**Northern Regional Power Committee  
Transmission Charges for Designated ISTS Customers (DICs)  
for the billing period February, 2022**

<b>DIC</b>	<b>Net Transmission Charges Payable (₹)</b>
Delhi	1329689187
UP	2742968022
Punjab	1175635762
Haryana	1305357932
Chandigarh	71852828
Rajasthan	1754800378
HP	512519711
J&K	790612770
Uttarakhand	433678228
GMR Kamalanga	24535079
WBSEDCL Inj	160554822
MB Power	66720789
Jorthang	21558160
Tashiding	21682642
Northern Railways	2373667
North Central Railways	1849242
RAPP 7&8, NPCIL	30868427
<b>Total</b>	<b>10447257646</b>

S. No.	Zone	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	4539	246996701	717194834	50613265	85514097	178974156	50396133		1329689187
2	UP	9243	505724823	1460311816	103055887	174118999	364417118	130492466	4846915	2742968022
3	Punjab	4297	92832419	678880185	47909356	80945684	169412832	104419285	1236000	1175635762
4	Haryana	3852	246266348	608583139	42948413	72563877	151870382	183125774		1305357932
5	Chandigarh	279	5491449	44148220	3115591	5263974	11017077	2816517		71852828
6	Rajasthan	4258	691874073	672710258	47473938	80210018	167873142	90783136	3875814	1754800378
7	HP	1750	41249729	276473831	19511077	32965115	68993345	25244332	48082284	512519711
8	J&K	2852	91089559	450570359	31797269	53723362	112438693	50993528		790612770
9	Uttarakhand	1273	112425664	201122154	14193422	23980624	50189525	29371343	2395496	433678228
10	GMR Kamalanga	75	7479414	11849538	836236	1412869	2957022			24535079
11	WBSEDCL_Inj	600	24109502	94796304	6689884	11302954	23656178			160554822
12	MB Power	175	26924237	27648922	1951216	3296695	6899719			66720789
13	Jorthang	86.4	1910034	13650668	963343	1627625	3406490			21558160
14	Tashiding	87.3	1829848	13792862	973378	1644580	3441974			21682642
15	Northern Railways							2373667		2373667
16	North Central Railways							1849242		1849242
17	RAPP 7&8, NPCIL								30868427	30868427
	<b>Total</b>	<b>33367</b>	<b>2096203800</b>	<b>5271733090</b>	<b>372032275</b>	<b>628570473</b>	<b>1315547653</b>	<b>671865423</b>	<b>91304936</b>	<b>10447257646</b>


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

**No: TC/03/2022**

**Date: 25.03.2022**

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 **34<sup>th</sup> time block (08:15 Hrs to 08:30 Hrs) on 25<sup>th</sup> Feb,2021** as a peak block for the billing period of Feb'22 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 14.03.2022 with last date of submission of comments as 16.03.2022. 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 15.03.2022 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.03.2022.
6. Inadvertently, share of Haryana from Anta GPS had been deducted (for 13 days) for the computation of transmission charges for billing month March,2022. For billing month April,2022, share of Haryana from Anta GPS has been considered for computation of transmission charges.
7. The methodology involved in the computation exercise along with the assumptions followed in the computations are enclosed at **Annexure-II**.

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

  
25/03/2022

(एस. सी. सक्सेना)

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 28.02.2021. Khargone Transmission Limited has submitted YTC on 02.03.2022. North East Transmission Company Limited has submitted YTC on 04.03.2022. Torrent Power Grid Ltd. has submitted YTC on 08.03.2022. PowerGrid has submitted its YTC and YTC of its SPV's on 11.03.2022 (evening). 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 Feb'22**

<b>Sl. No.</b>	<b>Name of ISTS Licensee</b>
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	Warora Kurnool Transmission Limited
7	Western Transmission Gujarat Limited
8	Western Transco Power Limited
9	Alipurduar Transmission Limited
10	Fatehgarh-Bhadla Transmission Ltd.
11	North Karanpura Transco Limited
12	Bikaner-Khetri Transmission Limited
13	Essar Power Transmission Company Limited
14	Jindal Power Limited
15	Parbati Koldam Transmission Company Limited
16	Bhopal Dhule Transmission Company Ltd.
17	East North Interconnection Company Limited
18	Gurgaon Palwal Transmission Limited
19	Jabalpur Transmission Company Limited
20	Maheshwaram Transmission Limited
21	NRSS-XXIX Transmission Limited
22	Odisha Generation Phase-II Transmission Limited
23	Patran Transmission Company Limited
24	Purulia & Kharagpur Transmission Company Limited
25	Rapp Transmission Company Limited
26	NER-II Transmission Limited
27	Teestavalley Power Transmission Limited
28	Torrent Power Grid Limited
29	Darbhanga-Motihari Transmission Company Limited
30	NRSS XXXI (B) Transmission Limited
31	Kohima Mariani Transmission Limited

Sl. No.	Name of ISTS Licensee
32	Damodar Valley Corporation
33	Powergrid Vizag Transmission Limited
34	Powergrid NM Transmission Limited
35	Powergrid Unchahar Transmission Limited
36	Powergrid Parli Transmission Limited
37	Powergrid Kala Amb Transmission Limited
38	Powergrid Southern Interconnector Transmission System Limited
39	Powergrid Jabalpur Transmission Limited
40	Powergrid Warora Transmission Limited
41	Powergrid Medinipur Jeerat Transmission Limited
42	Powergrid Mithilanchal Transmission Limited
43	Powergrid Ajmer Phagi Transmission Limited
44	Powergrid Varanasi Transmissoin System Limited
45	Powergrid Fatehgarh Transmission Limited
46	Powergrid Khetri Transmission System Ltd.
47	Transmission Corporation of Andhra Pradesh (APTRANSCO)
48	Chhattisgarh State Power Transmission Company Ltd
49	North East Transmission Company Limited
50	Khargone Transmission Company Ltd.
51	Powerlinks Transmission Limited
52	Raichur Sholapur Transmission Company Private Ltd.

2. As per Sharing Regulations 2020 and NLDC notified Procedure for collection of data and information, CTU shall submit all required data and information as stipulated in Formats II(A) to II(G) within 7 days after the end of the billing period i.e by 07.03.2022. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 12.03.2022. CTU has submitted data in formats II-C, formats II-D and II (G2) to II (G5) on 11.03.2022. CTU has submitted data in formats II-A, II-B, II-E, II-F, II-(G1) on 22.03.2022.

3. As per Regulation 24(4) and NLDC notified Procedure for collection of data and information, DICs shall submit the required information to the Implementing Agency as stipulated in Formats III and IV for the billing period within 7 days after end of the billing period. The list of the DICs that have submitted the data by 07.03.2022 is as mentioned below:

S.NO.	WR	SR	NR	NER	ER	Others
1	Chattisgarh	Andhra Pradesh	Uttar Pradesh	Assam	Odisha	NHPC
2	Gujarat	Telangana	Haryana	Manipur		
3	MP	Karnataka	Himachal Pradesh	Meghalaya		
4	Maharashtra	Kerala	Rajasthan	Mizoram		
5	Goa	Tamil Nadu	Punjab	Nagaland		

6	D&D	Vallur(NTECL)	BBMB	Tripura		
7	DNH	IL&FS	ReNew Solar Power Private Limited			
8	Hazira	Acme (Athena) Rewa				
9	ACBIL	Sprng Agnitra				
10	Spectrum Power	Galiveedu (Karnal P1, Hisar P3 & Bhiwadi P6)				
11	Maruti Coal Power	Fortum Solar India Private Limited. (Pavagada Solar Park)				
12	BALCO	PVG Renew-TN2				
13	CGPL	PVG ADYAH				
14	DB Power Ltd.	PVG AMPLUS Tumkur and PVG AMPLUS Pavagada				
15	DGEN	PVG Azure Earth				
16	Dhariwal	Fortum Finnsurya Energy Private Ltd. (Pavagada Solar Park)				
17	GMR Warora	Yarrow Infra Structure Private Ltd. (Pavagada Solar Park)				
18	Raipur Energen					
19	Jindal Stg-1					
20	JPL Stg-2					
21	Jhabua Power					
22	JP Nigrie					
23	KAPS 1&2					



24	Raigarh Energy					
25	KSK Mahanadi					
26	LANCO					
27	MB Power					
28	Essar Mahan					
29	NSPCL Bhilai					
30	Ratnagiri Dabhol					
31	RKM Power					
32	Sasan UMPP					
33	SKS Power					
34	SSP					
35	TAPS (3,4)					
36	TRN Energy					
37	TAPS (1,2)					
38	Naranpar Ostro					
39	ACME RUMS					
40	Mahindra Renewables Pvt. Ltd.					
41	ARINSUM					
42	Bhuvad Renew					
43	Vadwa Green Infra					
44	Roha Green infra					
45	Dayapar Inox					
46	Ratadiya AGEMPL					
47	Alfanar wind					
48	Renew AP2 Gadhsisa					

**Methodology of the computations and assumptions followed in the basic network**

**a) Modeling of the Basic Network**

- A. The All India network was modeled with the help of network data and node wise generation and demand data furnished by DICs. Wherever network data has not been provided by DICs, network data already available at RLDCs/NLDC has been considered. Wherever technical parameters were not furnished, standard parameters as per CEA Manual on Transmission Planning Criteria have been used.
- B. Certain Transmission Lines included in the basic network were partly owned by ISTS Licensee and partly by STUs. There were cases where the existing lines originally owned by one utility have been made LILO by other utility. In cases where the line originally owned by ISTS Licensee has been made LILO by STU, the Monthly Transmission Charge for the entire line has been considered (including the section owned by STU). In cases where the line originally owned by STU has been made LILO by ISTS Licensee, the Monthly Transmission Charge for the entire line has not been considered.
- C. All India basic network up to 66/ 33 kV level and at some nodes even till 0.4 kV level has been prepared. As per the Sharing Regulations 2020, basic network means power system at voltage levels of 110 kV and above, containing all power system elements including generating station and transmission systems.
- D. In line with Sharing Regulations 2020, all India basic network has been truncated to 110 kV level. Power flow into lower voltage system has been considered as load at the substation at truncated point. Power flow from a lower voltage system has been considered as generation at the substation at truncated point.
- E. To account for the transmission losses of the truncated lower voltage network and to ensure state drawal as per SEM data corresponding to peak block, minor adjustments in states generation has been done.
- F. Interstate generating Stations (ISGS) connected at 220kV and below voltage level are created as separate control areas.
- G. Power Flow on HVDC BNC-Agra has been reduced to avoid loop flows in the system.
- H. 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 Feb'22.
- 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 Feb'22. For the ISTS licensees who have not submitted YTC data for Feb'22, 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 Feb'22 as furnished by ISTS licensees have been considered in the computations.
- D. Yearly Transmission Charges (YTC) based on approved/ adopted tariff by CERC has only been considered in line with Sharing Regulations 2020. RPC certified non-ISTS lines as ISTS lines have not been considered in the computations.
- E. The assets of State Utilities whose approved Tariff by the Commission is not available as on 31.03.2019 are not being considered in the computations since 2019-20 Q3 in line with Terms & Conditions of Tariff Regulations. The same is continued in this computation.
- F. As per minutes of Validation Committee meeting held for 2020-21 Q2 PoC computations, for the assets of Essar Power transmission limited, combined tariff of LILO of 400kV 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 Feb,2022.
- G. As per Regulation (13) clauses (3), (6), (9), the YTC of assets claimed by licensees have been examined to find out whether the YTC to be completely or partly billed to generators. Accordingly, transmission charges have been computed for DICs in line with the Regulations.
- H. All ISTS assets corresponding to the bilateral payments on the basis of information furnished by ISTS licensees and the worked out bilateral payments in line with Regulation (13) have been considered while preparing final transmission charges for DICs.
- I. The components of Yearly Transmission Charges such as National Component for RE (NC-RE), National Component for HVDC (NC-HVDC), Regional Component (RC) and Transformers Component (TC) have been worked out on the basis of the inputs furnished by CTU.

J. Indicative cost level of different conductor configuration was provided by CTU and is as follows:

Sl. No.	Voltage level (kV)	Type of conductor configuration	Indicative cost (Rs.Lakh/km)
1	± 800	HVDC	258
2	± 500	HVDC	126
3	765	D/C	364
4	765	S/C	163
5	400	S/C	68
6	400	M/C TWIN	322
7	400	D/C Quad Moose	207
8	400	D/C Twin HTLS	135
9	400	D/C Twin Moose	121
10	400	M/C QUAD	604
11	400	D/C TRIPLE	168
12	400	S/C QUAD	113
13	220	D/C	51
14	220	S/C	39
15	220	M/C TWIN	230
16	132	D/C	35
17	132	S/C	20
18	132	M/C TWIN	163

K. The indicative cost levels provided by CTU are for only selected configurations and voltage level. Hence, for the conductor configurations which are not mentioned in the above list, following assumptions have been made:

- a. The indicative cost level of 765 kV lines (Quad Bersimis) charged at 400 kV has been considered to be same as cost of one circuit of 400 kV Quad Moose D/C.
- b. The indicative cost level of 400 kV Quad Bersimis D/C has been considered to be same as 400 kV Quad Moose D/C.
- c. The indicative cost level of 765 kV Hexa zebra has been considered to be same as 765 kV Quad Bersimis.
- d. The indicative cost levels of 400 kV ACKC, ACAR, AAAC, Moose, Zebra and Lapwing have been considered to be same as 400 kV Twin Moose depending on the no. of circuits.
- e. 400 kV lines (Twin Moose) charged at 220 kV are charged as per the rate of 220 kV D/C lines.

L. Circuit Kms of RE lines considered as National component has been considered as zero.

M. Circuit Kms of the assets covered under Regulation (13) clauses (3), (6), (9), have been pro-rata adjusted with respect to YTC considered for bilateral payment wherever YTC are to be partly included in the computations.

**d) Computation of Usage part of AC system charges**

- A. The usage part of AC system charges has been computed by running AC load flow and determining the utilization of the lines with respect to SIL of the lines. For SIL of lines at various voltage levels, annexure-II to Regulations has been followed.
- B. AC Usage Base Charges (AC-UBC) thus determined has been used for apportionment through hybrid method and computed total aggregated nodal charges in ₹ for each drawee DIC and injecting DICs having untied LTA.

## Annexure-III

**Transmission Charges for Designated ISTS Customers (DICs) for the billing month April, 2022**

S.No.	Zone	Region	LTA Demand / Injection (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
1	Delhi	NR	4539	246996701	717194834	50613265	85514097	178974156	50396133		1329689187
2	UP	NR	9243	505724823	1460311816	103055887	174118999	364417118	130492466	4846915	2742968022
3	Punjab	NR	4297	92832419	678880185	47909356	80945684	169412832	104419285	1236000	1175635762
4	Haryana	NR	3852	246266348	608583139	42948413	72563877	151870382	183125774		1305357932
5	Chandigarh	NR	279	5491449	44148220	3115591	5263974	11017077	2816517		71852828
6	Rajasthan	NR	4258	691874073	672710258	47473938	80210018	167873142	90783136	3875814	1754800378
7	HP	NR	1750	41249729	276473831	19511077	32965115	68993345	25244332	48082284	512519711
8	J&K	NR	2852	91089559	450570359	31797269	53723362	112438693	50993528		790612770
9	Uttarakhand	NR	1273	112425664	201122154	14193422	23980624	50189525	29371343	2395496	433678228
10	GMR Kamalanga	NR	75	7479414	11849538	836236	1412869	2957022			24535079
11	WBSEDCL_Inj	NR	600	24109502	94796304	6689884	11302954	23656178			160554822
12	MB Power	NR	175	26924237	27648922	1951216	3296695	6899719			66720789
13	Jorthang	NR	86.4	1910034	13650668	963343	1627625	3406490			21558160
14	Tashiding	NR	87.3	1829848	13792862	973378	1644580	3441974			21682642
15	Northern Railways	NR							2373667		2373667
16	North Central Railways	NR							1849242		1849242
17	RAPP 7&8, NPCIL	NR								30868427	30868427
18	Gujarat	WR	7723	856403836	1220173821	86109072	145486355	99886682	48762416	881348	2457703529
19	Madhya Pradesh	WR	8037	799619906	1269815756	89612360	151405368	103950503	111448199	3496711	2529348803
20	Maharashtra	WR	7131	927600887	1126694382	79512120	134340416	92234206	70942980		2431324991
21	Chhattisgarh	WR	2904	142363635	458858182	32382150	54711553	37563354	20589427		746468300
22	Goa	WR	513	30598571	81025020	5718029	9660947	6632924	10779927	1312760	145728179

S.No.	Zone	Region	LTA Demand / Injection (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
23	Daman Diu	WR	446	27386479	70489868	4974551	8404798	5770488	15759534		132785719
24	Dadra Nagar Haveli	WR	1032	117812721	163120975	11511635	19449586	13353518	8897824		334146259
25	Jindal Power Limited	WR	125	65516480	19749230	1393726	2354782	1616725			90630942
26	ACB Ltd	WR	51	4648736	7978689	563065	951332	653157			14794979
27	Torrent Power	WR	200	279614	31598768	2229961	3767651	2586759			40462754
28	Sembcorp Energy India Ltd Project-I	WR	115	7210284	18169292	1282228	2166400	1487387			30315590
29	DB Power	WR	186	40126286	29386854	2073864	3503916	2405686			77496606
30	TRN Energy Pvt. Ltd.	WR	3	0	473982	33449	56515	38801			602747
31	CSPTCL	WR	261	0	41236392	2910100	4916785	3375721			52438998
32	WBSEDCL_Inj	WR	400	16073001	63197536	4459923	7535303	5173519			96439282
33	KSK Mahanadi	WR	400	41125737	63197536	4459923	7535303	5173519			121492017
34	GMR Warora Energy Ltd, Maharashtra	WR	45	2394149	7044945	497170	839998	576718			11352980
35	MB Power	WR								11021331	11021331
36	Adani Power Limited	WR								268417605	268417605
37	Essar Steel	WR							11930517		11930517
38	Andhra Pradesh	SR	1726	413026902	272731808	19246998	32518938	23326566	27238170		788089382
39	Telangana	SR	3872	429204012	611822167	43176995	72950080	52328734	29653273		1239135261
40	Tamil Nadu	SR	8121	622811900	1283109084	90550486	152990386	109743448	85508686		2344713989
41	Kerala	SR	2748	158602430	434220305	30643427	51773877	37138568	46963472		759342079
42	Karnataka	SR	5691	511137794	899135727	63453044	107207660	76902468	92814750	3205348	1753856791

S.No.	Zone	Region	LTA Demand / Injection (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
43	Pondicherry	SR	463	8125739	73159891	5162978	8723155	6257316	12890824		114319904
44	Goa-SR	SR	81	39149	12818837	904640	1528443	1096386			16387455
45	Sembcorp Energy India Ltd Project-I	SR	55	3448397	8689661	613239	1036104	743221		105534	14636157
46	Sembcorp Energy India Ltd Project-II	SR	490	45243563	77416982	5463406	9230746	6621422		6499558	150475676
47	BHAVINI	SR								18488285	18488285
48	Betam	SR								313115	313115
49	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								1152941	1152941
50	West Bengal	ER	2638	43363298	416861569	29418401	49704124	63511252	43503785		646362428
51	Odisha	ER	1950	159324830	308057607	21739980	36730979	46934344	63026950		635814690
52	Bihar	ER	5478	214692565	865515673	61080438	103199002	131866279	155439624		1531793581
53	Jharkhand	ER	1005	30283300	158832084	11208963	18938204	24198979	46232717	8917545	298611792
54	Sikkim	ER	132	2503696	20933292	1477287	2495963	3189307	2400757		33000302
55	DVC	ER	650	34221985	102647263	7243936	12239056	15638900	8780488		180771628
56	Bangladesh	ER	782	6262818	123619789	8723991	14739697	18834184			172180480
57	NPGC Nabinagar	ER								9606301	9606301
58	Arunachal Pradesh	NER	288	2330478	45464327	3208470	5420899	7828790	12093805		76346768
59	Assam	NER	1623	36046392	256460762	18098731	30578874	44161598	19683738	917735	405947831
60	Manipur	NER	247	12481717	39023980	2753967	4652990	6719786	3617198		69249637
61	Meghalaya	NER	336	11730317	53130238	3749462	6334937	9148831	344914		84438700



S.No.	Zone	Region	LTA Demand / Injection (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC			
62	Mizoram	NER	156	5905816	24610307	1736778	2934388	4237804	1383967		40809060
63	Nagaland	NER	194	6515338	30690541	2165867	3659360	5284798	22100572		70416476
64	Tripura	NER	353	1898480	55814679	3938906	6655014	9611082	21953668		99871829

<b>Total</b>	<b>102021.14</b>	<b>7934565039</b>	<b>16118710891</b>	<b>1137515989</b>	<b>1921900357</b>	<b>2403351378</b>	<b>1666607604</b>	<b>425641052</b>	<b>31608292310</b>
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### 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 (Provided by CTU)*

Sl.No.	Name of Generating Station	State	Capacity	LTA granted	Commissioned capacity	Date of Commercial Operation	Date of LTA Operationalization	Delayed Capacity	Transmission Charges (₹)	Remarks
1	ReNew Power Pvt Limited	Karnataka		138.6	136.5	63 MW: 25.09.21 10.5MW: 12.10.21 10.5MW: 20.10.21 16.8MW: 27.10.21 14.7MW: 13.11.21 10.5MW: 01.12.21 10.5MW: 18.12.21	63 MW: 24.09.21 10.5 MW: 11.10.21 12.6 MW: 19.10.21 14.7 MW: 26.10.21 16.8 MW: 11.11.21 10.5 MW: 23.11.21 10.5 MW: 30.11.21	2.1	64600	
2	Avaada Energy Pvt. Ltd.	Rajasthan		150	50	50MW: 25.02.2022	150MW: 25.02.2022	100	587464	Charges computed for 4 days corresponding to 100 MW
3	Ostro Kutch Wind Private Ltd	Gujarat		300	22	11MW: 13.11.2021 11MW: 04.12.2021	50MW: 14.04.19	28	890738	
4	ReNew Power Limited	Gujarat		300	230.1	126MW: 8.05.19 58.5MW: 01.10.19 27.6MW: 02.09.20 18MW: 07.02.2021	300MW: 01.05.19	69.9	2223665	
5	ReNew Power Limited	Gujarat		50	0	Yet to be commissioned	50MW: 23.11.19	50	1590604	

**Transmission Charges for Short Term Open Access (STOA)**

S.No.	State	Region	STOA rate (paise/kWh)
1	Delhi	NR	40.68
2	UP	NR	41.14
3	Punjab	NR	37.96
4	Haryana	NR	47.07
5	Chandigarh	NR	35.71
6	Rajasthan	NR	57.11
7	HP	NR	36.86
8	J&K	NR	38.50
9	Uttarakhand	NR	47.06
10	Gujarat	WR	44.18
11	Madhya Pradesh	WR	43.65
12	Maharashtra	WR	47.35
13	Chhattisgarh	WR	35.70
14	Goa	WR	39.11
15	Daman Diu	WR	41.34
16	Dadra Nagar Haveli	WR	44.95
17	Andhra Pradesh	SR	63.41
18	Telangana	SR	44.44
19	Tamil Nadu	SR	40.10
20	Kerala	SR	38.37
21	Karnataka	SR	42.73
22	Pondicherry	SR	34.29
23	Goa-SR	SR	28.05
24	West Bengal	ER	36.14
25	Odisha	ER	45.29
26	Bihar	ER	38.84
27	Jharkhand	ER	40.02
28	Sikkim	ER	34.59
29	DVC	ER	38.64
30	Bangladesh	ER	30.56
31	Arunachal Pradesh	NER	36.85
32	Assam	NER	34.66
33	Manipur	NER	38.94
34	Meghalaya	NER	34.87
35	Mizoram	NER	36.39
36	Nagaland	NER	50.35
37	Tripura	NER	39.26

**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	8833.04	
2	Delhi	NR	4534.38	
3	Haryana	NR	3833.64	
4	Uttarakhand	NR	1272.97	
5	Punjab	NR	4296.88	
6	Rajasthan	NR	4256.87	
7	Himachal Pradesh	NR	1749.90	
8	Jammu & Kashmir	NR	2851.82	
9	Chandigarh	NR	279.43	
10	Noida Power Company Ltd, UP	NR	170.00	Uttar Pradesh
11	Railways_UP	NR	235.00	Uttar Pradesh
12	Railways_Haryana	NR	15.00	Haryana
13	Railways_Delhi	NR	5.00	Delhi
14	PG-Rihand	NR	0.74	Uttar Pradesh
15	PG-Dadri	NR	0.76	Uttar Pradesh
16	PG-Agra	NR	2.36	Uttar Pradesh
17	PG-Balia	NR	0.95	Uttar Pradesh
18	PG-Bhiwadi	NR	0.95	Rajasthan
19	PG-Kurukshetra	NR	3.30	Haryana
20	MB Power	NR	175.00	
21	WBSEDCL	NR	600.00	
22	GMR Kamalanga Energy Pvt. Ltd	NR	75.00	
23	Jorthang	NR	86.40	
24	Tashiding	NR	87.30	
25	Gujarat	WR	7605.04	
26	Madhya Pradesh	WR	7797.43	
27	Chhattisgarh	WR	2884.22	
28	Maharashtra	WR	6999.07	
29	GOA	WR	512.84	
30	Daman Diu	WR	446.16	
31	Dadra Nagar Haveli	WR	1032.45	
32	HVDC Bhadrawathi	WR	0.91	Maharashtra
33	HVDC Vindhyachal	WR	0.69	Madhya Pradesh
34	BARC Facility	WR	9.10	Maharashtra
35	Heavy Water Plant of DAE	WR	12.88	Gujarat
36	HVDC Champa	WR	3.19	Chhattisgarh
37	HVDC Raigarh	WR	1.88	Chhattisgarh
38	Railways_Gujarat	WR	105.00	Gujarat
39	Railways_MP	WR	239.00	Madhya Pradesh
40	Railways_Maharashtra	WR	122.18	Maharashtra
41	Railways_Chhattisgarh	WR	15.00	Chhattisgarh
42	ACB Ltd.	WR	50.50	
43	JINDAL	WR	125.00	

44	Torrent Power	WR	200.00	
45	DB Power	WR	186.00	
46	KSK Mahanadi	WR	400.00	
47	GMR Warora Energy Ltd, Maharashtra	WR	44.59	
48	CSPTCL	WR	261.00	
49	TRN Energy Pvt. Ltd.	WR	3.00	
50	Sembcorp Energy India Ltd	WR	115.00	
51	WBSEDCL	WR	400.00	
52	BIHAR	ER	5377.25	
53	JHARKHAND	ER	935.31	
54	DVC	ER	339.69	
55	ORISSA	ER	1949.81	
56	WEST BENGAL	ER	2592.06	
57	SIKKIM	ER	132.49	
58	Bangladesh	ER	782.43	
59	TATA Steel Ltd.	ER	200.00	DVC
60	Railways_Jharkhand	ER	70.00	Jharkhand
61	Railways_Bihar	ER	100.00	Bihar
62	Railways_DVC	ER	110.00	DVC
63	Railways_West Bengal	ER	45.00	West Bengal
64	HVDC Alipurduar	ER	1.41	West Bengal
65	POWERGRID PUSAULI	ER	0.91	Bihar
66	Andhra Pradesh	SR	1723.74	
67	Karnataka	SR	5644.45	
68	KSEB	SR	2747.35	
69	Tamil Nadu	SR	8104.69	
70	Telangana	SR	3872.44	
71	Puducherry	SR	463.06	
72	Goa	SR	81.14	
73	SAIL, Salem	SR	13.65	Tamil Nadu
74	Railways_Karnataka	SR	45.00	Karnataka
75	PG-HVDC Gazuwaka	SR	0.98	Andhra Pradesh
76	PG-HVDC Talcher	SR	1.50	Andhra Pradesh
77	PG-HVDC Kolar	SR	1.50	Karnataka
78	PG-HVDC Pugalur	SR	2.92	Tamil Nadu
79	PG-HVDC Thrissur	SR	0.99	Kerala
80	Sembcorp Energy India Ltd Project-I	SR	55.00	
81	Sembcorp Energy India Ltd Project-II	SR	490.00	
82	Arunachal Pradesh	NER	287.76	
83	Assam	NER	1621.87	
84	Manipur	NER	247.00	
85	Meghalaya	NER	336.28	
86	Mizoram	NER	155.77	
87	Nagaland	NER	194.25	
88	Tripura	NER	353.27	
89	PG-HVDC BNC	NER	1.37	Assam

**TOTAL**

**102021.135**

**\*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 Feb'22**

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Feb'22 (₹ Cr)	Equivalent MTC to be considered for Feb'22 (₹ Cr)	Remarks
1	Powergrid Corporation Of India Ltd	32069.41	32069.41	2460.12	As per data furnished by ISTS Licensee for Feb'22. 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	642.34	642.34	49.28	As per data furnished by ISTS Licensee for Feb'22
3	Chhattisgarh-WR Transmission Limited.	165.00	165.00	12.66	As per data furnished by ISTS Licensee for Feb'22
4	Raipur Rajnandgaon-WR Transmission Limited.	219.74	219.74	16.86	As per data furnished by ISTS Licensee for Feb'22
5	Sipat Transmission Limited.	95.03	95.03	7.29	As per data furnished by ISTS Licensee for Feb'22
6	Western Transmission Gujarat Limited	55.57	55.57	4.26	As per data furnished by ISTS Licensee for Feb'22
7	Western Transco Power Limited	102.21	102.21	7.84	As per data furnished by ISTS Licensee for Feb'22
8	Alipurduar Transmission Limited	159.40	159.40	12.23	As per data furnished by ISTS Licensee for Feb'22
9	Fatehgarh-Bhadla Transmission Ltd.	48.09	48.09	3.69	As per data furnished by ISTS Licensee for Feb'22
10	North Karanpura Transco Limited	23.64	23.64	1.81	As per data furnished by ISTS Licensee for Feb'22
11	Bikaner-Khetri Transmission Limited	128.95	128.95	9.89	As per data furnished by ISTS Licensee for Feb'22
12	Aravali Power Company Private Limited	10.78	10.78	0.83	Data not furnished for Feb'22. Considered the same as in the earlier billing period.
13	Essar Power Transmission Company Limited	399.59	399.59	30.65	As per data furnished by ISTS Licensee for Feb'22
14	Essar Power Transmission Company Limited (NTPC Portion)	3.46	3.46	0.27	Data not furnished for Feb'22. Considered the same as in the earlier billing period.
15	Jindal Power Limited	19.12	19.12	1.47	As per data furnished by ISTS Licensee for Feb'22
16	Kudgi Transmission Limited	196.29	196.29	15.06	Data not furnished for Feb'22. Considered the same as in the earlier billing period.

17	Parbati Koldam Transmission Company Limited	171.37	171.37	13.15	As per data furnished by ISTS Licensee for Feb'22
18	Bhopal Dhule Transmission Company Ltd.	260.31461	260.31	19.97	As per data furnished by ISTS Licensee for Feb'22
19	East North Interconnection Company Limited	144.07641	144.08	11.05	As per data furnished by ISTS Licensee for Feb'22
20	Gurgaon Palwal Transmission Limited	144.18406	144.18	11.06	As per data furnished by ISTS Licensee for Feb'22
21	Jabalpur Transmission Company Limited	147.01409	147.01	11.28	As per data furnished by ISTS Licensee for Feb'22
22	Maheshwaram Transmission Limited	55.94587	55.95	4.29	As per data furnished by ISTS Licensee for Feb'22
23	Khargone Transmission Company Ltd.	186.37770	186.38	14.30	As per data furnished by ISTS Licensee for Feb'22
24	NRSS-XXIX Transmission Limited	502.06443	502.06	38.51	As per data furnished by ISTS Licensee for Feb'22
25	Odisha Generation Phase-II Transmission Limited	157.79632	157.80	12.10	As per data furnished by ISTS Licensee for Feb'22
26	Patran Transmission Company Limited	30.69752	30.70	2.35	As per data furnished by ISTS Licensee for Feb'22
27	Purulia & Kharagpur Transmission Company Limited	72.44249	72.44	5.56	As per data furnished by ISTS Licensee for Feb'22
28	Rapp Transmission Company Limited	44.03294	44.03	3.38	As per data furnished by ISTS Licensee for Feb'22
29	NER-II Transmission Limited	412.52850	412.53	31.65	As per data furnished by ISTS Licensee for Feb'22
30	Teestavalley Power Transmission Limited	289.56	289.56	22.21	As per data furnished by ISTS Licensee for Feb'22
31	Torrent Power Grid Limited	40.75	40.75	3.13	As per data furnished by ISTS Licensee for Feb'22
32	Darbhanga-Motihari Transmission Company Limited	119.03	119.03	9.13	As per data furnished by ISTS Licensee for Feb'22
33	NRSS XXXI (B) Transmission Limited	90.76	90.76	6.96	As per data furnished by ISTS Licensee for Feb'22
34	Jaypee Powergrid Limited	138.41	138.41	10.62	Data not furnished for Feb'22. Considered the same as in the earlier billing period.
35	Kohima Mariani Transmission Limited	222.20	222.20	17.05	As per data furnished by ISTS Licensee for Feb'22
36	Raichur Sholapur Transmission Company Private Limited	35.20	35.20	2.70	As per data furnished by ISTS Licensee for Feb'22
37	Damodar Valley Corporation	113.65	113.65	8.72	As per data furnished by ISTS Licensee for Feb'22
38	Powerlinks Transmission Limited	137.79	137.79	10.57	As per data furnished by ISTS Licensee for Feb'22
39	NRSS XXXVI Transmission Limited	1.28	1.28	0.10	Data not furnished by ISTS Licensee for Feb'22. Data as furnished by ISTS Licensee for Jan'21 has been considered.

40	Warora-Kurnool Transmission Limited	6.19	6.19	0.47	Data as furnished by ISTS Licensee for Feb'22 has been considered. Cost of 240 MVAR reactor with bays at Warora end is considered under the sharing mechanism
41	Powergrid Vizag Transmission Limited	285.74	285.74	21.92	As per data furnished by ISTS Licensee for Feb'22
42	Powergrid NM Transmission Limited	113.94	113.94	8.74	As per data furnished by ISTS Licensee for Feb'22
43	Powergrid Unchahar Transmission Limited	20.27	20.27	1.56	As per data furnished by ISTS Licensee for Feb'22
44	Powergrid Parli Transmission Limited	326.22	326.22	25.03	As per data furnished by ISTS Licensee for Feb'22
45	Powergrid Kala Amb Transmission Limited	70.578	70.58	5.41	As per data furnished by ISTS Licensee for Feb'22. Bilateral payment of HPSEB is also included in the claimed YTC
46	Powergrid Southern Interconnector Transmission System Limited	449.68	449.68	34.50	As per data furnished by ISTS Licensee for Feb'22
47	Powergrid Jabalpur Transmission Limited	256.43	256.43	19.67	As per data furnished by ISTS Licensee for Feb'22
48	Powergrid Warora Transmission Limited	364.20	364.20	27.94	As per data furnished by ISTS Licensee for Feb'22
49	Powergrid Medinipur Jeerat Transmission Limited	555.23	555.23	42.59	As per data furnished by ISTS Licensee for Feb'22
50	Powergrid Mithilanchal Transmission Limited	170.00	170.00	13.04	As per data furnished by ISTS Licensee for Feb'22
51	Powergrid Ajmer Phagi Transmission Limited	52.54	52.54	4.03	As per data furnished by ISTS Licensee for Feb'22
52	Powergrid Varanasi Transmissoin System Limited	116.97	116.97	8.97	As per data furnished by ISTS Licensee for Feb'22
53	Powergrid Fatehgarh Transmission Limited	61.60	61.60	4.73	As per data furnished by ISTS Licensee for Feb'22
54	Powergrid Khetri Transmission System Ltd.	104.72	104.72	8.03	As per data furnished by ISTS Licensee for Feb'22
55	North East Transmission Company Limited	267.53	267.53	20.52	As per data furnished by ISTS Licensee for Feb'22
56	Transmission Corporation Of Andhra Pradesh (APTRANSCO)	440.14	45.30	3.48	As per data furnished by ISTS Licensee for Feb'22. CERC approved ISTS lines are only considered as per Sharing Regulations 2020
57	Madhya Pradesh Power Transmision Co. Ltd.	12.54	12.54	0.96	Data not furnished for Feb'22. Considered the same as in the earlier billing period.
58	Karnataka Power Transmission Corporation Limited	1.42	1.42	0.11	Data not furnished by ISTS Licensee for Feb'22. CERC Tariff Order dated 12.06.2019 has been considered
59	Delhi Transco Limited	3.12	3.12	0.24	Data not furnished by ISTS Licensee for Feb'22. Data as furnished by ISTS Licensee for Dec'20 has been considered.



60	Power Transmission Corporation Of Uttarakhand Ltd	43.39	43.39	3.33	Data not furnished by ISTS Licensee for Feb'22. CERC Tariff Order dated 09.11.2021 , 25.11.2021 and 13.06.2021 have been considered.
61	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	6.37	0.49	Data not furnished by ISTS Licensee for Feb'22. Data as furnished by ISTS Licensee for Jan'21 has been considered. RPC certified non-ISTS as ISTS has not been considered in line with clause 13 (13) of Sharing Regulations,2020
62	Tamilnadu Transmission Corporation Limited	0.59	0.59	0.05	Data not furnished by ISTS Licensee for Feb'22. CERC Tariff 148/TT/2018 Order dated 16.11.2018 has been considered
63	Chhattisgarh State Power Transmission Company Ltd	0.75	0.75	0.06	As per data furnished by ISTS Licensee for Feb'22.
64	Himachal Pradesh Power Transmission Corporation Ltd	2.61	2.61	0.20	Data not furnished for Feb'22. Considered the same as in the earlier billing period.
65	Odisha Power Transmission Corporation Limited	9.80	9.67	0.74	Data not furnished by ISTS Licensee for Feb'22. Data as furnished by ISTS Licensee for Jan'21 has been considered.Filing and Publication fee of ₹ 13.67 Lacs as claimed by the licensee is not considered. The same may be claimed in Bill-2 or Bill-3 as applicable.
66	Uttarpradesh Power Transmission Corporation Limited	27.23	0.00	0.00	Data not furnished by ISTS Licensee for Feb'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
67	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for Feb'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
68	Gujarat Energy Transmission Corporation Limited	5.71	0.00	0.00	Data not furnished by ISTS Licensee for Feb'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
69	Maharashtra State Electricity Transmission Company Ltd	97.68	0.00	0.00	Data not furnished by ISTS Licensee for Feb'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
70	West Bengal State Electricity Transmission Company Ltd	32.05	0.00	0.00	Data not furnished by ISTS Licensee for Feb'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available

71	Haryana Vidyut Prasaran Nigam Limited	8.09	0.00	0.00	Data not furnished by ISTS Licensee for Feb'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
72	Assam Electricity Grid Corporation Limited	10.78	0.00	0.00	Data not furnished by ISTS Licensee for Feb'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
73	Meghalaya Power Transmission Corporation Limited	3.61	0.00	0.00	Data not furnished by ISTS Licensee for Feb'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
74	Kerala State Electricity Board	10.06	0.00	0.00	Data not furnished by ISTS Licensee for Feb'22. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available

TOTAL MTC considered for the billing period Feb'22  
from the claimed assets of ISTS licensees (₹ Crores)

**3160.83**

**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	02 Nos of 132 kV line bays at Daltonganj Substation	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	ER	755616	Jharkhand	As per Regulation 13(12) of Sharing Regulations 2020
2	04 Nos. 220 KV Bays at Daltonganj Sub-station;					
3	400kV D/C (Quad) Nabinagar-II – Gaya transmission line with 02 nos. associated bays at Gaya Sub-station	NPGC Nabinagar	ER	9606301		As per Regulation 13(3) of Sharing Regulations 2020
4	220 kV, 2 nos. Line bays at Hamirpur Sub-station	Himachal Pradesh Power Transmission Corporation Limited (HPPTCL)	NR	1512000	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
5	02 Nos. 220 KV Line Bays (HPSEB Future Bays)	Himachal Pradesh State Electricity Board (HPSEB)	NR	46570284	Himachal Pradesh	As per Regulation 13(12) of Sharing Regulations 2021
6	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
7	220kV, 2 Nos. Line bays at Jalandhar Substation	Punjab State Transmission Corporation Limited (PSTCL)	NR	1236000	Punjab	As per Regulation 13(12) of Sharing Regulations 2020
8	Asset-B(ii) 2 nos. 220 kV Line Bays at Kotputli S/S	Rajasthan DISCOMs	NR	1367014	Rajasthan	As per Regulation 13(12) of Sharing Regulations 2021
9	2 nos. 220 kV line bays (#211 and 212) at 400/220 kV Jaipur (South) Substation	Rajasthan Rajya Vidyut Prasaran Nigam Limited (RRVPL)	NR	2508800	Rajasthan	As per Regulation 13(12) of Sharing Regulations 2022
10	Extension of 400/220 kV Sikar Sub-station with 2 nos. 220 kV line bays					

11	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	30868427		As per Regulation 13(3) of Sharing Regulations 2020
12	One No. 220kv line Bays (206 no. Bay) associated with Baghpat GIS Substation	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	NR	4846915	Uttar Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
13	One No. 220kv line Bays (207 no. Bay) associated with Baghpat GIS Substation					
14	2 nos. 220kv bays (#206 & 207) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
15	1 no. 220 kV line bay (# 210) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
16	2X500MVA 400/230kV transformers along with associated bays and equipment at new 400/230kV (GIS) Tirunelveli Pooling Sub-station	Betam	SR	313115		As per Regulation 13(3) of Sharing Regulations 2020
17	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	18488285		As per Regulation 13(3) of Sharing Regulations 2020

18	220 kV line bays at Madhugiri for termination of 220 kV D/C Madhugiri – Nittur line	Karnataka DISCOMs	SR	757227	Karnataka	As per Regulation 13(12) of Sharing Regulations 2020
19	04 No. 220 KV bays at 400/220kV Yelahanka Substation	Karnataka Power Transmission Corporation Limited (KPTCL)	SR	2448121	Karnataka	As per Regulation 13(12) of Sharing Regulations 2021
20	Thermal Powertech Corporation India Ltd Switchyard-Nellore PS 400kV D/c (quad)	Sembcorp Energy India Ltd Project-I	SR	105534		As per Regulation 13(9) of Sharing Regulations 2020
21	HVDC Mundra-Mahendergarh	Adani Power Limited	WR	268417605		--
22	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	1312760	Goa	As per Regulation 13(12) of Sharing Regulations 2020
23	Asset 3: 2 nos. 220 kV line bays at 400/220 kV Pirana substation	Gujarat Urja Vikas Nigam Limited (GUVNL)	WR	881348	Gujarat	As per Regulation 13(12) of Sharing Regulations 2021
24	MBPMPL TPS-Jabalpur PS 400 kV D/c (Triple) line	MB Power	WR	11021331		As per Regulation 13(9) of Sharing Regulations 2020
25	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	3496711	Madhya Pradesh	As per Regulation 13(12) of Sharing Regulations 2020
26	1 no. 220 kV line bays at 400/220 kV Indore substation					
27	1 no. 220 kV line bay at 400/220 kV Indore substation					
28	2 nos. 220 kV Line bays (Bay No 209 & 211) at NP Kunta substation	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR	1152941		As per Regulation 13(3) of Sharing Regulations 2020
29	LILO of one ckt of 132 kV Biswanath-Chariyalli (PG)-Itanagar at Gohpur(AEGCL)	Assam Electricity Grid Corporation Limited (AEGCL)	NER	917734.63	Assam	As per Regulation 13(12) of Sharing Regulations 2020
30	04 Nos. 220 kV bays at Dehradun Sub-station	Power Transmission Corporation Of Uttarakhand Limited	NR	2395495.89	Uttrakhand	As per Regulation 13(12) of Sharing Regulations 2020

31	YTC of NCC Power projects Ltd. -Nellore PS 400kV D/c (quad)	Sembcorp Energy India Ltd Project-2	SR	6499558.13		As per Regulation 13(9) of Sharing Regulations 2020
32	ICTs at 400/220 kV, 2x500 MVA Dhanbad sub-station	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	ER	8161928.09	Jharkhand	As per Regulation 13(12) of Sharing Regulations 2020

**TOTAL**

**425641052**

**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 Feb'22**

(As furnished by CTU- cumulative till Feb'22)

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted/MTOA operationalised	LTA/MTOA with tied up beneficiaries	Name of the beneficiaries (for entire LTA granted)	Effective date of LTA/MTOA operation/initialization	Exempted quantum in MW (as on Feb'22)	Remarks	PS	SPD/SPV/Subsidiary
1	Rewa Ultra Mega Solar Power Development	WR	750	750	MP-651 MW, DMRC-99 MW	490MW:07.07.18; 260 MW: 13.04.19	750	No billing for Apr'22 billing month.		
2	Ostro Kutch Wind Private Limited	WR	300	300	GRIDCO-50 MW, Jharkhand-50 MW, Bihar-50 MW, UPPCL-150MW	126MW: 24.08.18; 50MW: 02.11.18; 50MW: 29.12.18; 24MW: 30.03.19; 50MW: 14.04.19	272	Included in Format II G (3).		
3	Inox Wind Infrastructure Services Limited	WR	500	500	Bihar -50 MW, Jharkhand -50 MW, UP - 200 MW, BRPL - 50 MW, Haryana - 150 MW	500MW: 14.04.2019	210	Bills are being raised for mismatch period. 10MW COD w.e.f 04.09.2021		
4	ReNew Power Limited	WR	300	300	UP - 100 MW, PSPCL - 100 MW, GRIDCO - 50 MW, GOA - 50 MW	300MW: 01.05.19	230.1	Included in Format II G (3)		
5	ReNew Power Limited	WR	50	50	UHBVN & DHBVN - 50MW	50MW: 23.11.19	0	Included in Format II G (3)		

6	Green Infra Wind Energy Ltd.	WR	250	250	Assam (APDCL) - 50 MW, GRIDCO Ltd.-100 MW, Jharkhand (JBVNL)-100 MW	151.2MW:14.04.19; 98.8 MW: 04.11.19	250	No billing for Apr'22 billing month. Billing for prior mismatch period corresponding to 98.8 MW will be raised upon receipt of approved CERC tariff order for ATS.		
7	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 Apr'22 billing month. Billing for prior mismatch period will be raised upon receipt of approved CERC tariff order for ATS.		
8	Adani Green Energy MP Ltd. (AGEMPL Dayapar)	WR	100	100	UPPCL - 40 MW, NPCL - 10 MW, PSPCL - 50 MW	100 MW: 04.11.19	100	No billing for Apr'22 billing month. Billing for prior mismatch period will be raised upon receipt of approved CERC tariff order for ATS.		
9	SEI Sunshine	WR	180	180	TPDDL-180 MW	90 MW:18.11.19; 90 MW: 01.04.20	180	No Billing for Apr'22 billing month		



10	Alfanar Energy Pvt. Limited	WR	300	300	BRPL -150 MW, BYPL -50 MW, TPDDL - 50 MW, Bihar - 50 MW	100MW: 31.01.20; 50MW: 15.02.20; 50MW: 28.02.20; 36MW: 06.10.20; 36MW: 20.10.20; 28MW: 10.02.21	300	No billing for Apr'22 billing month. Billing for prior mismatch period will be raised upon receipt of approved CERC tariff order for ATS. Already included in Format II G(2).		
11	ReNew Wind Energy (AP2) Private Limited (2 separate LTA grants, 1 to Haryana & 2nd to GRIDCO)	WR	262.5	262.5	Haryana	50 MW:25.02.20; 100 MW: 20.09.20; 20: 03.12.20; 40: 10.12.20; 43.75: 20.12.20 4.375: 27.01.21 4.375: 19.02.21	262.5	No billing for Apr'22 billing month. Billing for prior mismatch period will be raised upon receipt of approved CERC tariff order for ATS. Included in Format II G(2).		
			37.5	37.5	GRIDCO	30: 10.12.2020 6.25: 20.12.2020 0.625: 27.01.21 0.625: 19.02.21	37.5	LTA operationalized on existing margin. No billing for Apr'22 Billing month. Included in Format II G(2).		
12	Mytrah Energy (India) Pvt Ltd (GEC-I Corridor)	SR	250	250	UPPCL - 100 MW, Jharkhand -50 MW, Bihar - 50 MW, Assam - 50 MW	75MW: 10.06.18; 50MW: 30.09.18; 125MW: 01.12.18;	250	No billing for Apr'22 billing month.		
13	AP Solar Power Corporation Pvt Ltd (NP Kunta)	SR	1500	1500	Andhra Pradesh-1500MW	250MW: 11.07.16; 750MW: 04.08.18; 500MW: 01.10.18;	1400	Included in Format II G (1)		

14	Karnataka Solar Power development Corporation Ltd	SR	2050	2050	Karnataka -1850 MW, UPPCL-200 MW	600MW: 12.07.18; 400MW: 28.09.18; 200MW: 30.12.19; 850 MW: 03.05.20	2050	No billing for Apr'22 billing month.		
15	Green Infra Renewable Energy Ltd.	SR	249.9	249.9	UPPCL - 99.9 MW, Jharkhand -50 MW, Bihar - 50 MW, BRPL - 50 MW	249.9 MW: 10.10.18	249.9	No delay. Hence, no billing.		
16	Orange Sironj Power Pvt. Ltd.	SR	200	200	Bihar - 100 MW, Haryana - 100 MW	200 MW: 22.02.19	200	No billing for Apr'22 billing month.		
17	Betam Wind Energy Private Limited	SR	250.2	250.2	Bihar - 50.2 MW, Odisha-100 MW, UPPCL - 100 MW	250.2 MW:31.07.19	218.2	LTA was granted on existing margins. However, CERC in tariff petition 172/TT/2018 has linked the LTA to 2X500MVA, 400/230kV ICTs at Tirunelveli Pool (Tuticorin-II). Therefore, Betam is not included in FORMAT II-G(3).		

18	Saurya Urja Company of Rajasthan Limited	NR	500	500	UPPCL-500 MW	500 MW: 27.10.19	500	No billing for Apr'22 billing month. Billing for prior mismatch period will be raised upon receipt of approved CERC tariff order for ATS	Bhadla	Claen Solar Power (Bhadla) Pvt. Ltd. : 300MW SB Energy Four Pvt. Ltd.: 200MW
19	Adani Reneable EnergyPark Rajasthan Ltd.	NR	250	250	UPPCL-250 MW	250 MW: 27.10.19	250	No delay. Hence, no billing.	Bhadla	Azure Power India Pvt. Ltd.: 200MW ReNew Solar Power Pvt. Ltd.:50MW
20	NTPC Ltd. (Auraiya Solar)	NR	20	20	UPPCL-20MW	15MW: 25.10.2020 5MW: 30.11.2020	20	No billing for Apr'22 billing month.	Auraiya	
21	Sprng Renewable Energy Pvt Limited	SR	300	300	UP-300 MW	300 MW: 30.11.19	300	No billing for Apr'22 billing month.		
22	Adani Wind Energy Kutchh Three Limited	WR	250	250	Chandigarh Administration, UT, Chandigarh 40MW Uttar Pradesh Power Corporation Ltd 85MW Kerala State Electricity Board Ltd 75MW GRIDCO LTD. 50MW	115 MW: 05.02.2021 30.5 MW: 15.03.2021 43.8 MW: 08.04.2021 28.5 MW: 05.05.2021 32.2 MW: 09.05.2021	250	No Billing for Apr'22 billing month. Included in Format II G(2).		

23	Continuum Power Trading (TN) Pvt. Ltd	WR	50	50	MPPMCL	15.02.2021	50	32MW RE Capacity commissioned wef 12/4/21 18MW RE Capacity commissioned wef 22/4/21 No Billing for Apr'22 billing month. Included in Format II G(2).		
24	Avikiran Solar India Private Ltd.. (ASIPL)	WR	285	285	MSEDCL-100MW MPPMCL-185MW	09.05.2021	16.8	LTA made effective vide letter dated 07.05.2021 upon commissioning of identified transmission system (Bhuj ICT Augmentation scheme) but generation is delayed. Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS. COD of 16.8 MW: 24.02.2022		
25	Essel Saurya Urja Company of Rajasthan Ltd.	NR	750	750	PSPCL-300MW NBPDC-207MW SBPDCL-243MW	01.06.2021	300	Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS	Bhadla	SB Energy Six Pvt. Ltd.:600MW SB Energy Sixteen Projects Ltd.: 150MW

26	Adani Green Energy (MP) Limited	WR	75	75	MSEDCL	01.07.2021	75	MTOA was operational upto 30-Jun-2021. Now. The corresponding LTA has been operationalised w.e.f. 01.07.2021 (indicated along side) and waiver documents also submitted. Included in Format II G(2).		
27	Adani Renewable Energy Park Rajasthan Ltd.	NR	1000	996	TSSPDCL-208.82MW TSNPDCL-87.18MW AEML-700MW	01.08.2021	124.8	LTA made effective vide CTU letter dated 31.07.2021 but generation is delayed.  1000MW is on Target (NR) till 11.08.2021 . After 11.08.2021 , 704MW is on Target (NR) and 296MW is on Firm (SR). After 21.12.2021 , 4MW is on Target, 700 MW Firm (WR) and 296 MW Firm (SR).  COD of 49.92 MW: 30.12.21 & COD of 74.88MW: 05.02.2022	Fatehgarh	NTPC Ltd.:296MW Adani Hybrid Energy Jaisalmer Four Ltd.: 700MW
28	Gujarat Power Corporation Limited	WR	700	600	GUVNL:600MW WR TARGET:100MW	12.08.2021	400	Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.		

29	Azure Power India Pvt. Ltd.	NR	130	130	MSEDCL	01.09.2021	130	No Billing for Apr'22 billing month	Bhadla	Azure Power Thirty Four Pvt. Ltd.
30	Tata Power Renewable Energy Ltd.	NR	150	150	MSEDCL	01.09.2021	150	No Billing for Apr'22 billing month	Bhadla	Tata Power Renewable Energy Ltd.
31	Azure Power India Pvt. Ltd.	NR	300	300	GRIDCO: 200MW BRPL: 100MW	01.09.2021	250	LTA was made effective vide CTU letter dated 26.08.2021 . 50MW w.e.f. 13.10.2021 , 50MW COD w.e.f 02.11.2021 and 50MW COD w.e.f 30.11.2021 , 50MW COD w.e.f. 27.12.2021 , 50MW COD w.e.f. 31.01.2022 . Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Bhadla	Azure Power Forty One Pvt. Ltd.
32	Azure Power India Pvt. Ltd.	NR	200	200	MPPMCL	01.09.2021	53	COD of 53MW: 14.02.2022 Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Bhadla	Azure Power Maple Pvt. Ltd.
33	Azure Power India Pvt. Ltd.	NR	50	50	MPPMCL	01.09.2021	0	Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Bhadla	Azure Power Maple Pvt. Ltd.

34	Renew Power Pvt Ltd	SR	300	300	SBPDCL: 162 MW NBPDCL: 138 MW	63 MW: 24.09.21 10.5 MW: 11.10.21 12.6 MW: 19.10.21 14.7 MW: 26.10.21 16.8 MW: 11.11.21 10.5 MW: 23.11.21 10.5 MW: 30.11.21 <b>Total : 138.6 MW</b>	136.5	Part LTA operationalized on existing margins as per the request of applicant. Included in Format II G(3).		
35	SBSR Power Cleantech Eleven Pvt. Ltd.*	NR	300.0	300.0	TPDDL- 200MW BYPL- 100MW	20.11.2021	50.0	LTA made effective vide CTU letter dated 18.11.2021 . 50MW commissioned. Documents submitted on 08.02.2022 . 50MW: 15.08.2021 .Bills will be raised for mismatch period upon receipt of approved CERC tariff order for ATS.	Bikaner	SBSR Power Cleantech Eleven Pvt. Ltd.
36	Azure Power India Pvt. Ltd.	NR	300.0	300.0	HPPC- 100MW JBVNL- 200MW	100MW: 25.09.2021 200MW: 20.11.2021	300.0	LTA Application: 120000165 5. 100MW LTA operationalized on part system and was earlier included in Format II G (2). Balance LTA operationalized vide CTU letter dated 18.11.2021 . 300MW Commissioned. No billing for Apr'22 billing month.	Bikaner	Azure Power Forty Three Pvt. Ltd.

37	Avaada Energy Pvt. Ltd.	NR	100 MW out of 350MW	350.0	MSEDCL-350MW	100MW: 03.11.2021	100.0	100MW COD w.e.f. 03.11.2021	Bikaner	Avaada Sunce Energy Pvt. Ltd.
38	Ayana Renewable Power One Pvt. Ltd.	NR	300.0	300.0	MPPMCL-300MW	300MW: 23.12.2021	300.0	300MW COD: 22.12.2021	Bikaner	Ayana Renewable Power One Pvt. Ltd.
39	Avaada Energy Pvt. Ltd.	NR	50 MW out of 350MW	-	MSEDCL-350MW	50MW:07.01.2022	50.0	Additional 50MW 50MW COD w.e.f. 07.01.2022	Bikaner	Avaada Sunce Energy Pvt. Ltd.
40	Avaada Energy Pvt. Ltd.	NR	100 MW out of 300MW	300.0	TSSPDCL-98.77 TSNPDC-41.23MW , TANGEDCO-160MW	100MW:18.01.2022	100.0	100MW COD w.e.f. 14.01.2022	Bikaner	Avaada Sustainable RJProject Pvt. Ltd.
41	Adani Renewable Energy (Rajasthan) Ltd. (erstwhile Mahoba Solar (UP) Pvt. Ltd.)	NR	200.0	200.0	MSEDCL-200MW	200MW; 05.01.2022	200.0	200MW COD w.e.f. 21.08.2019	Bhadla	Adani Renewable Energy (Rajasthan) Ltd.
42	Avaada Energy Pvt. Ltd.	NR	50 MW out of 350MW	-	MSEDCL-350MW	50MW:04.02.2022	50.0	Additional 50MW 50MW COD w.e.f. 04.02.2022	Bikaner	Avaada Sunce Energy Pvt. Ltd.
43	Avaada Energy Pvt. Ltd.	NR	150 MW out of 350MW	-	MSEDCL-350MW	150MW:25.02.2022	50.0	Additional 50MW 50MW COD w.e.f. 25.02.2022 . Included in Format II G (3)	Bikaner	Avaada Sunce Energy Pvt. Ltd.



