



भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
दक्षिण क्षेत्रीय विद्युत समिति
29, रेस कोर्स क्रॉस रोड
बेंगलूरु-560 009



Government of India
Central Electricity Authority
Southern Regional Power Committee
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No. SRPC/SE-1/RTA /2022/

दिनांक/ Dated: 01st February 2022

सेवामें / To

**वितरण सूची के अनुसार
As per Distribution List**

विषय: फरवरी 2022 महीने का क्षेत्रीय पारेषण लेखा

Subject: Regional Transmission Account for the billing month of February 2022 (Billing Period: December 2021)-Reg.

महोदय /Sir,

CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 came into effect from 01.11.2020. As per the 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. Implementing Agency (IA) vide letter dated 31.01.2022 has notified the Transmission Charges payable by DICs for the billing month of February 2022 (**Annexure**).

Regional Transmission Account (RTA) for the billing period of December 2021 (billing month: February 2022) in respect of Southern Region has been prepared based on the data furnished by IA and as per CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020. Transmission charges of the state are bifurcated on pro rata basis on the basis of LTA/MTOA of the DICs included in the state's control area. RTA is made available on SRPC website www.srpc.kar.nic.in.

Discrepancy, if any, may please be reported within 15 days from the date of issue of the accounts.

Yours faithfully,

(मेका रामकृष्ण/ MEKA RAMAKRISHNA)

अधीक्षण अभियन्ता(वा)/Superintending Engineer (C)

भारत सरकार

GOVERNMENT OF INDIA

उर्जा मंत्रालय

MINISTRY OF POWER

केन्द्रीय विद्युत प्राधिकरण

CENTRAL ELECTRICITY AUTHORITY

दक्षिण क्षेत्रीय विद्युत समिति

SOUTHERN REGIONAL POWER COMMITTEE

क्षेत्रीय पारेषण लेखा

REGIONAL TRANSMISSION ACCOUNT

Billing Period: December 2021

Billing Month: February, 2022

1. Transmission Charges for Designated ISTS Customers (DICs) for the billing Period December, 2021

Billing Month: February, 2022

DIC	LTA / MToA (MW)	Usage based AC system charges (Rs.)	Balance AC system charges (Rs.)	National Component (Rs.) (NC-RE)	National Component (Rs.) (NC-HVDC)	Regional Component (Rs.)	Transformer Component (Rs.)	Total Transmission Charges (Rs.)
Andhra Pradesh	1693.989	29,27,74,236	28,41,95,139	2,07,00,955	3,52,35,491	2,53,32,606	3,01,12,532	68,83,50,960
Karnataka (BESCOM)	2,691.959	22,97,66,214	45,16,21,352	3,28,96,388	5,59,93,568	4,02,56,656	5,13,45,414	86,18,79,591
Karnataka (HESCOM)	1155.749	9,86,46,415	19,38,96,337	1,41,23,533	2,40,39,935	1,72,83,545	2,20,44,325	37,00,34,089
Karnataka (GESCOM)	581.467	4,96,29,794	9,75,50,786	71,05,662	1,20,94,682	86,95,489	1,10,90,675	18,61,67,088
Karnataka (MESCOM)	413.118	3,52,60,748	6,93,07,434	50,48,398	85,92,974	61,77,931	78,79,652	13,22,67,136
Karnataka (CESCOM)	546.024	4,66,04,638	9,16,04,632	66,72,540	1,13,57,457	81,65,460	1,04,14,649	17,48,19,376
Kerala	2775.371	19,42,65,942	46,56,15,139	3,39,15,704	5,77,28,566	4,15,04,035	5,31,10,704	84,61,40,090
Tamil Nadu	8,139.591	73,38,70,183	1,36,55,53,247	9,94,67,770	16,93,05,987	12,17,22,782	9,53,30,247	2,58,52,50,216
Telangana	3987.619	28,39,09,372	66,89,90,179	4,87,29,672	8,29,43,703	5,96,32,494	3,28,30,409	1,17,70,35,829
Puducherry	524.271	1,17,35,271	8,79,55,316	64,06,721	1,09,05,002	78,40,167	1,42,71,984	13,91,14,461
PGCIL(SR)	3.976	5,55,959	6,67,041	48,587	82,702	59,459	72,624	14,86,373
PUGALUR HVDC(SR)	2.922	2,63,449	4,90,214	35,708	60,778	43,697	34,222	9,28,068
THRISSUR HVDC(SR)	1.086	76,016	1,82,195	13,271	22,589	16,240	20,782	3,31,094
Goa(SR)	91.491	28,590	1,53,49,154	11,18,042	19,03,041	13,68,194	0	1,97,67,021
Sembcorp Energy India Ltd Project-II (SGPL)	490.000	0	8,22,05,740	59,87,919	1,01,92,150	73,27,661	0	10,57,13,470
Sembcorp Energy India Ltd Project-I (TPCIL/SEIL)	55.000	41,59,542	92,27,175	6,72,113	11,44,017	8,22,493	0	1,60,25,340
South Western Railways	45.000	38,40,876	75,49,507	5,49,911	9,36,014	6,72,948	8,58,313	1,44,07,569
SAIL, Salem	13.650	12,30,692	22,90,017	1,66,806	2,83,924	2,04,128	1,59,868	43,35,435
Total(SR)								7,32,40,53,206

2. Details of Entity-wise Bilateral Billing

DIC	Name of the Assets	Bilateral Charges (Rs.)	Remarks
BESCOM	220 kV line bays at Madhugiri for termination of 220 kV D/C Madhugiri-Nittur line	4,02,316	As per Regulation 13(12) of Sharing Regulations 2020
MESCOM		68,371	
CESCOM		89,524	
HESCOM		1,79,821	
GESCOM		98,327	
Karnataka Power Transmission Corporation Limited (KPTCL)	04 No. 220 KV bays at 400/220kV Yelahanka Substation	27,10,419	As per Regulation 13(12) of Sharing Regulations 2020

DIC	Name of the Assets	Bilateral Charges (Rs.)	Remarks
Sembcorp Energy India Ltd Project-I (TPCIL/SEIL)	Thermal Powertech Corporation India Ltd Switchyard-Nellore PS 400kV D/c (quad)	1,16,842	As per Regulation 13(9) of Sharing Regulations 2020
BHAVINI	Asset 1. Kalpakkam PFBR-Sirucheri 230 kV D/C Line, Asset 2. Kalpakkam PFBR -Arani 230KV D/C Line, Asset3. 230 kV D/C Kalpakkam PFBR-Kanchipuram transmission line and 2 numbers of 230kV Bays at Kanchipuram Sub-station of TNEB	2,04,69,173	As per Regulation 13(3) of Sharing Regulations 2020
Betam	2X500MVA 400/230kV transformers along with associated bays and equipment at new 400/230kV (GIS) Tirunelveli Pooling Sub-station	3,46,663	As per Regulation 13(3) of Sharing Regulations 2020
Sembcorp Energy India Ltd Project-II	YTC of NCC Power projects Ltd. - Nellore PS 400kV D/c (quad)	71,95,939	As per Regulation 13(9) of Sharing Regulations 2020
AP Solar Power Corporation Pvt Ltd (APSPCL)	2 nos. 220 kV Line bays (Bay No 209 & 211) at NP Kunta substation	2,55,294	As per Regulation 13(3) of Sharing Regulations 2020
Total Bilateral Charges		3,19,32,689	

2.a. 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

Name of Genertaing Station	State	Capcity	LTA granted	Commissioned Capacity	Date of LTA Operation	Delayed Capacity	Transmission Charges (Rs.)
Nil							

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(भारत सरकार का उपक्रम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)
राष्ट्रीय भार प्रेषण केन्द्र National Load Despatch Centre



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

No: TC/01/2022

Date: 31.01.2022

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 **74th time block (18:15 Hrs to 18:30 Hrs) on 21st Dec, 2021** as a peak block for the billing period of Dec'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 23.01.2022 with last date of submission of comments as 24.01.2022.
5. CTU vide letter with no. CTU/S/07/NLDC dated 21.01.2022 regarding exemption of LTA quantum from Central generating stations of Southern region connected to both ISTS and Intra-state transmission system and only to STU system, has requested Implementing Agency to implement the recommendations of the subgroup constituted by SRPC. Accordingly, share of Telangana from Ramagundam STPS Stage-I&II and share of Tamil Nadu from NLC TS-II Stage-I and Madras Atomic Power Station (MAPS) have been exempted for the computation of transmission charges for billing month February, 2022.
6. 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 15.01.2022 for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18.01.2022.

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 Feb'22 mentioned as follows:
- Various components of the transmission charges determined have been added for each DIC in order to compute total transmission charges payable by the DIC.
 - 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
 - The notified transmission charges payable by DICs for the billing month of Feb'22 shall be used by RPCs for preparation of Regional Transmission Account (RTA) for the billing month of Feb'22 considering regional DIC wise break up of LTA/MTOA enclosed along with this notification.
 - 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.
 - 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.
 - The transmission charges payable by DICs for LTA/MTOA are given at **Annexure-III**.
 - The transmission rates applicable for STOA transactions are given at **Annexure-IV**.
 - Regional DIC wise break up of LTA/MTOA is given at **Annexure-V**.
 - ISTS licensee wise break up of Monthly Transmission Charges (MTC) is given at **Annexure-VI**.
 - Entity-wise details of bilateral billing are given separately at **Annexure-VII**.
 - LTA details of exempted Renewable Energy (RE) based generation for the billing period of Dec'21 is given at **Annexure-VIII**.
 - CTU letter dated 21.01.2022 regarding implementation of the recommendations of the subgroup constituted by SRPC is given as **Annexure-IX**.


(जी चक्रवर्ती)

मुख्य महाप्रबंधक/ रा. भा. प्रे. के

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

1. As per Regulation 24(1) of Sharing Regulations 2020, some of the ISTS Licensees have submitted YTC data by 31.12.2021. Torrent Powergrid Limited has submitted YTC on 03.01.2022. Madhya Pradesh Power Transmission Co. Limited has submitted YTC on 04.01.2022. Khargone Transmission Limited has submitted YTC on 06.01.2022. PowerGrid has submitted its YTC and YTC of its SPV's on 22.01.2022 (night) and 23.01.2022 respectively. 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 Dec'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	Alipurduar Transmission Limited
9	Fatehgarh-Bhadla Transmission Ltd.
10	North Karanpura Transco Limited
11	Bikaner-Khetri Transmission Limited
12	Essar Power Transmission Company Limited
13	Jindal Power Limited
14	Parbati Koldam Transmission Company Limited
15	Bhopal Dhule Transmission Company Ltd.
16	East North Interconnection Company Limited
17	Gurgaon Palwal Transmission Limited
18	Jabalpur Transmission Company Limited
19	Maheshwaram Transmission Limited
20	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	Torrent Power Grid Limited
28	Darbhangha-Motihari Transmission Company Limited
29	NRSS XXXI (B) Transmission Limited

Sl. No.	Name of ISTS Licensee
30	Kohima Mariani Transmission Limited
31	Damodar Valley Corporation
32	Warora-Kurnool Transmission Limited
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	Madhya Pradesh Power Transmission Co. Ltd.
49	Chhattisgarh State Power Transmission Company Ltd
50	Khargone Transmission Company Ltd.

2. As per Sharing Regulations 2020 and NLDC notified Procedure for collection of data and information, CTU shall submit all required data and information as stipulated in Formats II(A) to II(G) within 7 days after the end of the billing period i.e by 07.01.2022. NLDC had provided the detailed list of ISTS assets of all licensees for segregation into various components as per stipulated formats on 23.01.2022. CTU has submitted data in formats II-C on 13.01.2022, formats II-D and II (G2) to II (G5) on 14.01.2022. CTU has submitted data in formats II-A, II-B, II-E, II-F, II-(G1) on 24.01.2022 (evening).

3. As per Regulation 24(4) and NLDC notified Procedure for collection of data and information, DICs shall submit the required information to the Implementing Agency as stipulated in Formats III and IV for the billing period within 7 days after end of the billing period. The list of the DICs that have submitted the data by 07.01.2022 is as mentioned below:

S.NO.	WR	SR	NR	NER	ER	Others
1	Chhattisgarh	Andhra Pradesh	Uttar Pradesh	Arunachal Pradesh	Odisha	
2	Gujarat	Telangana	Haryana	Assam	JITPL	
3	MP	Karnataka	Himachal Pradesh	Manipur		
4	Maharashtra	Kerala	Delhi	Meghalaya		

5	Goa	Tamil Nadu	Rajasthan	Mizoram		
6	D&D	Vallur(NTECL)	Punjab	Nagaland		
7	DNH	IL&FS	Jammu & Kashmir	Tripura		
8	Hazira	Sprng Agnitra	BBMB	Palatana GBPP		
9	ACBIL	Amplus Pavagada 37&38	ReNew Solar Power Private Limited			
10	Spectrum Power	Adyah Solar Energy Pvt, Ltd. (Pavagada Solar Park) 1,2,3,6,10 &13				
11	Maruti Coal Power	Fortum Finnsurya Energy Private Ltd. (Pavagada Solar Park)				
12	BALCO	Fortum Solar India Private Limited. (Pavagada Solar Park)				
13	CGPL	Galiveedu (Karnal_P1, Hisar_P3 & Bhiwadi_P6)				
14	DB Power Ltd.	Yarrow Infra Structure Private Ltd. (Pavagada Solar Park)				
15	DGEN	Azure Power Earth (Pavagada)				
16	Dhariwal	ReNew TN2 (Pavagada)				
17	GMR Warora					
18	Raipur Energen					

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

43	Vadwa Green Infra(wind)(GIWEL)					
44	Roha Green infra (wind)(GIWELSEC13)					
45	Dayapar Inox(wind)					
46	Ratadiya AGEMPL (wind)					
47	Alfanar wind(Nanavalka)					
48	Renew AP2 Gadhsisa(wind)					

Annexure-II**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 Dec'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 Dec'21. For the ISTS licensees who have not submitted YTC data for Dec'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 Dec'21 as furnished by ISTS licensees have been considered in the computations.
- D. Yearly Transmission Charges (YTC) based on approved/ adopted tariff by CERC has only been considered in line with Sharing Regulations 2020. RPC certified non-ISTS lines as ISTS lines have not been considered in the computations.
- E. The assets of State Utilities whose approved Tariff by the Commission is not available as on 31.03.2019 are not being considered in the computations since 2019-20 Q3 in line with Terms & Conditions of Tariff Regulations. The same is continued in this computation.
- F. As per minutes of Validation Committee meeting held for 2020-21 Q2 PoC computations, for the assets of Essar Power transmission limited, combined tariff of LILO of 400kV 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 Dec,2021.
- G. As per Regulation (13) clauses (3), (6), (9), the YTC of assets claimed by licensees have been examined to find out whether the YTC to be completely or partly billed to generators. Accordingly, transmission charges have been computed for DICS in line with the Regulations.
- H. All ISTS assets corresponding to the bilateral payments on the basis of information furnished by ISTS licensees and the worked out bilateral payments in line with Regulation (13) have been considered while preparing final transmission charges for DICS.
- I. The components of Yearly Transmission Charges such as National Component for RE (NC-RE), National Component for HVDC (NC-HVDC), Regional Component (RC) and Transformers Component (TC) have been worked out on the basis of the inputs furnished by CTU.

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

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

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

- 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 February,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	5184	255367031	869622655	63343869	107818807	214144785	55795719		1566092866
2	UP	NR	10523	1024311873	1765344734	128588838	218873510	434716558	144908549	5537449	3722281511
3	Punjab	NR	4513	330540930	757051602	55144122	93861861	186424136	116601807	1368429	1540992886
4	Haryana	NR	3738	374273004	627060722	45675503	77745145	154413851	202738267		1481906492
5	Chandigarh	NR	279	7960811	46879083	3414702	5812230	11543985	3118287		78729098
6	Rajasthan	NR	4244	756686748	711928549	51857330	88267350	175312574	100992348	4731195	1889776093
7	HP	NR	1747	56522680	293126745	21351539	36342862	72182530	31358103	52899598	563784058
8	J&K	NR	2852	204079522	478441177	34849961	59318782	117816253	56970474		951476169
9	Uttarakhand	NR	1273	158074252	213562906	15556058	26478263	52589916	31010399	2652156	499923951
10	GMR Kamalanga	NR	75	8494691	12582511	916518	1560023	3098446			26652190
11	WBSEDCL_Inj	NR	600	11985739	100660090	7332145	12480184	24787571			157245730
12	MB Power	NR	175	32329586	29359193	2138542	3640054	7229708			74697083
13	Jorthang	NR	86.4	7556731	14495053	1055829	1797147	3569410			28474170
14	Tashiding	NR	87.3	7698045	14646043	1066827	1815867	3606592			28833374
15	Northern Railways	NR							2627988		2627988
16	North Central Railways	NR							2047375		2047375
17	RAPP 7&8, NPCIL	NR								34175759	34175759
18	Gujarat	WR	7723	894622964	1295667493	94377247	160641311	108903339	53986961	975778	2609175093
19	Madhya Pradesh	WR	8037	975476128	1348389385	98217544	167177953	113334716	121097625	4242248	2827935598
20	Maharashtra	WR	7131	891354975	1196308711	87139890	148322468	100552043	78544014		2502222101
21	Chhattisgarh	WR	2794	117242521	468819407	34149105	58125842	39405171	21367613		739109659
22	Goa	WR	513	40963101	86038789	6267120	10667385	7231725	11934919	1453413	164556453

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	23172569	74858949	5452774	9281270	6292038	17448056		136505656
24	Dadra Nagar Haveli	WR	1033	117654455	173234899	12618541	21478258	14560726	9851162		349398040
25	Jindal Power Limited	WR	125	69399970	20970852	1527530	2600038	1762640			96261031
26	ACB Ltd	WR	51	11955394	8472224	617122	1050415	712107			22807263
27	Torrent Power	WR	200	352584	33553363	2444048	4160061	2820225			43330282
28	Sembcorp Energy India Ltd Project-I	WR	115	8697225	19293184	1405328	2392035	1621629			33409401
29	DB Power	WR	186	45005367	31204628	2272965	3868857	2622809			84974626
30	TRN Energy Pvt. Ltd.	WR	3	0	503300	36661	62401	42303			644665
31	CSPTCL	WR	261	0	43787139	3189483	5428880	3680393			56085896
32	WBSEDCL_Inj	WR	400	7990493	67106727	4888097	8320123	5640449			93945888
33	KSK Mahanadi	WR	400	45369185	67106727	4888097	8320123	5640449			131324580
34	GMR Warora Energy Ltd, Maharashtra	WR	45	3091803	7480722	544901	927486	628769			12673680
35	MB Power	WR								12202188	12202188
36	Adani Power Limited	WR								344873892	344873892
37	Essar Steel	WR							13208787		13208787
38	Andhra Pradesh	SR	1696	293202166	284610530	20731213	35286992	25369634	30156545		689357080
39	Telangana	SR	3988	283909372	668990179	48729672	82943703	59632494	32830409		1177035829
40	Tamil Nadu	SR	8156	735364324	1368333478	99670284	169650690	121970606	95524337		2590513719
41	Kerala	SR	2776	194341958	465797333	33928975	57751155	41520276	53131487		846471184
42	Karnataka	SR	5435	463876714	911781698	66414761	113045830	81274462	103661637	3548778	1743603880

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	524	11735271	87955316	6406721	10905002	7840167	14271984		139114461
44	Goa-SR	SR	91	28590	15349154	1118042	1903041	1368194			19767021
45	Sembcorp Energy India Ltd Project-I	SR	55	4159542	9227175	672113	1144017	822493		116842	16142182
46	Sembcorp Energy India Ltd Project-II	SR	490	0	82205740	5987919	10192150	7327661		7195939	112909410
47	BHAVINI	SR								20469173	20469173
48	Betam	SR								346663	346663
49	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR								255294	255294
50	West Bengal	ER	2688	77341947	451035589	32853720	55920943	71599577	46472511		735224288
51	Odisha	ER	1950	163410432	327101793	23826303	40555205	51925725	69779837		676599296
52	Bihar	ER	5478	285699372	919053613	66944452	113947427	145895029	172093870		1703633763
53	Jharkhand	ER	967	32909647	162291237	11821397	20121426	25762898	51186222	9872996	313965824
54	Sikkim	ER	129	2337697	21666603	1578209	2686300	3439462	2657981		34366252
55	DVC	ER	650	41121189	108996684	7939388	13513784	17302662	9721255		198594961
56	Bangladesh	ER	782	6849921	131266501	9561536	16274872	20837881			184790711
57	NPGC Nabinagar	ER								10635548	10635548
58	Arunachal Pradesh	NER	288	2045407	48276600	3516498	5985499	8836917	13389569		82050491
59	Assam	NER	1623	44649459	272324578	19836296	33763738	49848366	22219494	1008150	443650081
60	Manipur	NER	237	12490529	39813725	2900057	4936243	7287808	4004755		71433116
61	Meghalaya	NER	336	12358524	56416699	4109428	6994736	10326943	381869		90588200

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	136	8065732	22884401	1666914	2837287	4188935	1532249	896579	42072097
63	Nagaland	NER	170	5777901	28528939	2078066	3537116	5222154	24468490		69612668
64	Tripura	NER	353	3089627	59267190	4317060	7348150	10848718	24305846		109176592
Total			103838.96	9172995698	17420732319	1268937265	2159882295	2657336910	1847398802	519458064	35046741353

Annexure-IV**Transmission Charges for Short Term Open Access (STOA)**

S.No.	State	Region	STOA rate (paise/kWh)
1	Delhi	NR	41.96
2	UP	NR	49.06
3	Punjab	NR	47.39
4	Haryana	NR	55.07
5	Chandigarh	NR	39.13
6	Rajasthan	NR	61.70
7	HP	NR	40.61
8	J&K	NR	46.34
9	Uttarakhand	NR	54.26
10	Gujarat	WR	46.91
11	Madhya Pradesh	WR	48.80
12	Maharashtra	WR	48.74
13	Chhattisgarh	WR	36.73
14	Goa	WR	44.17
15	Daman Diu	WR	42.49
16	Dadra Nagar Haveli	WR	47.00
17	Andhra Pradesh	SR	56.44
18	Telangana	SR	41.00
19	Tamil Nadu	SR	44.11
20	Kerala	SR	42.34
21	Karnataka	SR	44.47
22	Pondicherry	SR	36.85
23	Goa-SR	SR	30.01
24	West Bengal	ER	37.98
25	Odisha	ER	48.20
26	Bihar	ER	43.19
27	Jharkhand	ER	43.66
28	Sikkim	ER	36.96
29	DVC	ER	42.45
30	Bangladesh	ER	32.80
31	Arunachal Pradesh	NER	39.60
32	Assam	NER	37.87
33	Manipur	NER	41.81
34	Meghalaya	NER	37.41
35	Mizoram	NER	41.93
36	Nagaland	NER	56.86
37	Tripura	NER	42.92

Annexure-V**Regional DIC wise break up of LTA/MTOA considered in the computations**

Sl.No.	Name of the DIC	Region	LTA/MTOA considered in the computations	Name of the state control area in which LTA/MTOA of specific DICs is included in the computations*
1	UP	NR	10112.81	
2	Delhi	NR	5178.52	
3	Haryana	NR	3719.39	
4	Uttarakhand	NR	1272.97	
5	Punjab	NR	4512.52	
6	Rajasthan	NR	4242.61	
7	Himachal Pradesh	NR	1747.23	
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	7605.15	
26	Madhya Pradesh	WR	7797.59	
27	Chhattisgarh	WR	2774.41	
28	Maharashtra	WR	6999.44	
29	GOA	WR	512.85	
30	Daman Diu	WR	446.21	
31	Dadra Nagar Haveli	WR	1032.59	
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	121.33	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	897.36	
54	DVC	ER	339.69	
55	ORISSA	ER	1949.74	
56	WEST BENGAL	ER	2642.06	
57	SIKKIM	ER	129.15	
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	1693.99	
67	Karnataka	SR	5388.32	
68	KSEB	SR	2775.37	
69	Tamil Nadu	SR	8139.59	
70	Telangana	SR	3987.62	
71	Puducherry	SR	524.27	
72	Goa	SR	91.49	
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	1.09	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	237.32	
85	Meghalaya	NER	336.28	
86	Mizoram	NER	136.41	
87	Nagaland	NER	170.05	
88	Tripura	NER	353.27	
89	PG-HVDC BNC	NER	1.37	Assam
TOTAL			103838.963	

***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.**

Annexure-VI**Transmission Charges claimed by ISTS licensees for the billing period Dec'21**

S.No.	Name of the Transmission Licensee	Total YTC claimed by Licensees (₹ Cr)	Total YTC allowed for Dec'21 (₹ Cr)	Equivalent MTC to be considered for Dec'21 (₹ Cr)	Remarks
1	Powergrid Corporation Of India Ltd	32078.52	32078.52	2724.48	As per data furnished by ISTS Licensee for Dec'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 Dec'21
3	Chhattisgarh-WR Transmission Limited.	165.00	165.00	14.01	As per data furnished by ISTS Licensee for Dec'21
4	Raipur Rajnandgaon-WR Transmission Limited.	219.74	219.74	18.66	As per data furnished by ISTS Licensee for Dec'21
5	Sipat Transmission Limited.	95.03	95.03	8.07	As per data furnished by ISTS Licensee for Dec'21
6	Western Transmission Gujarat Limited	55.57	55.57	4.72	As per data furnished by ISTS Licensee for Dec'21
7	Western Transco Power Limited	102.21	102.21	8.68	As per data furnished by ISTS Licensee for Dec'21
8	Alipurduar Transmission Limited	159.40	159.40	13.54	As per data furnished by ISTS Licensee for Dec'21
9	Fatehgarh-Bhadla Transmission Ltd.	48.09	48.09	4.08	As per data furnished by ISTS Licensee for Dec'21
10	North Karanpura Transco Limited	23.64	23.64	2.01	As per data furnished by ISTS Licensee for Dec'21
11	Bikaner-Khetri Transmission Limited	128.95	128.95	10.95	As per data furnished by ISTS Licensee for Dec'21
12	Aravali Power Company Private Limited	10.78	10.78	0.92	Data not furnished for Dec'21. Considered the same as in the earlier billing period.
13	Essar Power Transmission Company Limited	399.59	399.59	33.94	As per data furnished by ISTS Licensee for Dec'21
14	Essar Power Transmission Company Limited (NTPC Portion)	3.46	3.46	0.29	Data not furnished for Dec'21. Considered the same as in the earlier billing period.
15	Jindal Power Limited	19.12	19.12	1.62	As per data furnished by ISTS Licensee for Dec'21
16	Kudgi Transmission Limited	196.29	196.29	16.67	Data not furnished for Dec'21. Considered the same as in the earlier billing period.

17	Parbati Koldam Transmission Company Limited	171.37	171.37	14.55	As per data furnished by ISTS Licensee for Dec'21
18	Bhopal Dhule Transmission Company Ltd.	260.15528	260.16	22.10	As per data furnished by ISTS Licensee for Dec'21
19	East North Interconnection Company Limited	143.88841	143.89	12.22	As per data furnished by ISTS Licensee for Dec'21
20	Gurgaon Palwal Transmission Limited	144.15540	144.16	12.24	As per data furnished by ISTS Licensee for Dec'21
21	Jabalpur Transmission Company Limited	146.94973	146.95	12.48	As per data furnished by ISTS Licensee for Dec'21
22	Maheshwaram Transmission Limited	55.93152	55.93	4.75	As per data furnished by ISTS Licensee for Dec'21
23	Khargone Transmission Company Ltd.	186.35414	186.35	13.11	As per data furnished by ISTS Licensee for Dec'21. COD of two assets is 13-12-2021, YTC considered for 19 days.
24	NRSS-XXIX Transmission Limited	501.97793	501.98	42.63	As per data furnished by ISTS Licensee for Dec'21
25	Odisha Generation Phase-II Transmission Limited	157.76474	157.76	13.40	As per data furnished by ISTS Licensee for Dec'21
26	Patran Transmission Company Limited	30.68693	30.69	2.61	As per data furnished by ISTS Licensee for Dec'21
27	Purulia & Kharagpur Transmission Company Limited	72.42253	72.42	6.15	As per data furnished by ISTS Licensee for Dec'21
28	Rapp Transmission Company Limited	44.02082	44.02	3.74	As per data furnished by ISTS Licensee for Dec'21
29	NER-II Transmission Limited	409.31555	409.32	34.76	As per data furnished by ISTS Licensee for Dec'21
30	Teestavalley Power Transmission Limited	289.56	289.56	24.59	As per data furnished by ISTS Licensee for Dec'21
31	Torrent Power Grid Limited	40.75	40.75	3.46	As per data furnished by ISTS Licensee for Dec'21
32	Darbhanga-Motihari Transmission Company Limited	119.03	119.03	10.11	As per data furnished by ISTS Licensee for Dec'21
33	NRSS XXXI (B) Transmission Limited	90.76	90.76	7.71	As per data furnished by ISTS Licensee for Dec'21
34	Jaypee Powergrid Limited	138.41	138.41	11.76	Data not furnished for Dec'21. Considered the same as in the earlier billing period.
35	Kohima Mariani Transmission Limited	222.20	222.20	18.87	As per data furnished by ISTS Licensee for Dec'21
36	Raichur Sholapur Transmission Company Private Limited	35.20	35.20	2.99	Data not furnished for Dec'21. Considered the same as in the earlier billing period.
37	Damodar Valley Corporation	137.08	0.00	0.00	Data not furnished by ISTS Licensee for Dec'21. YTC has been considered as zero as per clause 13 (13) of the Sharing Regulations,2020

38	Powerlinks Transmission Limited	137.79	137.79	11.70	Data not furnished for Dec'21. Considered the same as in the earlier billing period.
39	NRSS XXXVI Transmission Limited	1.28	1.28	0.11	Data not furnished by ISTS Licensee for Dec'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.
40	Warora-Kurnool Transmission Limited	6.19	6.19	0.53	Data as furnished by ISTS Licensee for Dec'21 has been considered. Cost of 240 MVAR reactor with bays at Warora end is considered under the sharing mechanism
41	Powergrid Vizag Transmission Limited	285.69	285.69	24.26	As per data furnished by ISTS Licensee for Dec'21
42	Powergrid NM Transmission Limited	113.92	113.92	9.68	As per data furnished by ISTS Licensee for Dec'21
43	Powergrid Unchahar Transmission Limited	20.27	20.27	1.72	As per data furnished by ISTS Licensee for Dec'21
44	Powergrid Parli Transmission Limited	326.22	326.22	27.71	As per data furnished by ISTS Licensee for Dec'21
45	Powergrid Kala Amb Transmission Limited	70.578	70.58	5.99	As per data furnished by ISTS Licensee for Dec'21. Bilateral payment of HPSEB is also included in the claimed YTC
46	Powergrid Southern Interconnector Transmission System Limited	449.68	449.68	38.19	As per data furnished by ISTS Licensee for Dec'21
47	Powergrid Jabalpur Transmission Limited	243.68	243.68	20.70	As per data furnished by ISTS Licensee for Dec'21
48	Powergrid Warora Transmission Limited	364.20	364.20	30.93	As per data furnished by ISTS Licensee for Dec'21
49	Powergrid Medinipur Jeerat Transmission Limited	555.23	555.23	47.16	As per data furnished by ISTS Licensee for Dec'21
50	Powergrid Mithilanchal Transmission Limited	170.00	170.00	14.44	As per data furnished by ISTS Licensee for Dec'21
51	Powergrid Ajmer Phagi Transmission Limited	52.54	52.54	4.46	As per data furnished by ISTS Licensee for Dec'21
52	Powergrid Varanasi Transmissoin System Limited	116.97	116.97	9.93	As per data furnished by ISTS Licensee for Dec'21
53	Powergrid Fatehgarh Transmission Limited	61.60	61.60	5.23	As per data furnished by ISTS Licensee for Dec'21
54	Powergrid Khetri Transmission System Ltd.	104.72	104.72	8.89	As per data furnished by ISTS Licensee for Dec'21
55	North East Transmission Company Limited	351.53	351.53	29.86	Data not furnished for Dec'21, data furnished by ISTS Licensee for Mar'21 has been considered
56	Transmission Corporation Of Andhra Pradesh (APTRANSCO)	440.14	45.30	3.85	As per data furnished by ISTS Licensee for Dec'21. CERC approved ISTS lines are only considered as per Sharing Regulations 2020

57	Madhya Pradesh Power Transmission Co. Ltd.	12.54	12.54	1.06	As per data furnished by ISTS Licensee for Dec'21.
58	Karnataka Power Transmission Corporation Limited	1.42	1.42	0.12	Data not furnished by ISTS Licensee for Dec'21. CERC Tariff Order dated 12.06.2019 has been considered
59	Delhi Transco Limited	3.12	3.12	0.26	Data not furnished by ISTS Licensee for Dec'21. Data as furnished by ISTS Licensee for Dec'20 has been considered.
60	Power Transmission Corporation Of Uttarakhand Ltd	43.39	43.39	3.68	Data not furnished by ISTS Licensee for Dec'21. CERC Tariff Order dated 09.11.2021 , 25.11.2021 and 13.06.2021 have been considered.
61	Rajasthan Rajya Vidhyut Prasaran Nigam Ltd.	33.98	6.37	0.54	Data not furnished by ISTS Licensee for Dec'21. Data as furnished by ISTS Licensee for Jan'21 has been considered. RPC certified non-ISTS as ISTS has not been considered in line with clause 13 (13) of Sharing Regulations,2020
62	Tamilnadu Transmission Corporation Limited	0.59	0.59	0.05	Data not furnished by ISTS Licensee for Dec'21. CERC Tariff 148/TT/2018 Order dated 16.11.2018 has been considered
63	Chhattisgarh State Power Transmission Company Ltd	0.75	0.75	0.06	As per data furnished by ISTS Licensee for Dec'21.
64	Himachal Pradesh Power Transmission Corporation Ltd	2.61	2.61	0.22	Data not furnished for Dec'21. Considered the same as in the earlier billing period.
65	Odisha Power Transmission Corporation Limited	9.80	9.67	0.82	Data not furnished by ISTS Licensee for Dec'21. Data as furnished by ISTS Licensee for Jan'21 has been considered.Filing and Publication fee of ₹ 13.67 Lacs as claimed by the licensee is not considered. The same may be claimed in Bill-2 or Bill-3 as applicable.
66	Uttarpradesh Power Transmission Corporation Limited	27.23	0.00	0.00	Data not furnished by ISTS Licensee for Dec'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
67	Power Development Department, Jammu & Kashmir	10.11	0.00	0.00	Data not furnished by ISTS Licensee for Dec'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
68	Gujarat Energy Transmission Corporation Limited	5.71	0.00	0.00	Data not furnished by ISTS Licensee for Dec'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available

69	Maharashtra State Electricity Transmission Company Ltd	97.68	0.00	0.00	Data not furnished by ISTS Licensee for Dec'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
70	West Bengal State Electricity Transmission Company Ltd	32.05	0.00	0.00	Data not furnished by ISTS Licensee for Dec'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
71	Haryana Vidyut Prasaran Nigam Limited	8.09	0.00	0.00	Data furnished by ISTS Licensee for Dec'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
72	Assam Electricity Grid Corporation Limited	10.78	0.00	0.00	Data not furnished by ISTS Licensee for Dec'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
73	Meghalaya Power Transmission Corporation Limited	3.61	0.00	0.00	Data not furnished by ISTS Licensee for Dec'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available
74	Kerala State Electricity Board	10.06	0.00	0.00	Data not furnished by ISTS Licensee for Dec'21. YTC has been considered as zero in line with CERC terms & conditions for Tariff Regulations 2019 as tariff as on 31.03.2019 is not available

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

3504.67

Annexure-VII**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	836575	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	10635548		As per Regulation 13(3) of Sharing Regulations 2020
4	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	896579	Mizoram	As per Regulation 13(12) of Sharing Regulations 2020
5	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
6	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
7	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
8	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
9	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

10	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
11	Extension of 400/220 kV Sikar Sub-station with 2 nos. 220 kV line bays					
12	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 LILLO at Kota)	RAPP 7&8, NPCIL	NR	34175759		As per Regulation 13(3) of Sharing Regulations 2020
13	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
14	One No. 220kv line Bays (207 no. Bay) associated with Baghpat GIS Substation					
15	2 nos. 220kV bays (#206 & 207) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
16	1 no. 220 kV line bay (# 210) of Shahjahanpur (PG)-Shahjahanpur (UPPTCL) at 400/220 kV Shahjahanpur Sub-Station					
17	2X500MVA 400/230kV transformers along with associated bays and equipment at new 400/230kV (GIS) Tirunelveli Pooling Sub-station	Betam	SR	346663		As per Regulation 13(3) of Sharing Regulations 2020
18	Asset 1. Kalpakkam PFBR-Sirucher 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

19	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
20	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
21	Thermal Powertech Corporation India Ltd Switchyard-Nellore PS 400kV D/c (quad)	Sembcorp Energy India Ltd Project-I	SR	116842		As per Regulation 13(9) of Sharing Regulations 2020
22	HVDC Mundra-Mahendergarh	Adani Power Limited	WR	344873892		--
23	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
24	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
25	MBPMPL TPS-Jabalpur PS 400 kV D/c (Triple) line	MB Power	WR	12202188		As per Regulation 13(9) of Sharing Regulations 2020
26	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
27	1 no. 220 kV line bays at 400/220 kV Indore substation					
28	1 no. 220 kV line bay at 400/220 kV Indore substation					
29	2 nos. 220 kV Line bays (Bay No 209 & 211) at NP Kunta substation	AP Solar Power Corporation Pvt Ltd (APSPCL)	SR	255294		As per Regulation 13(3) of Sharing Regulations 2020
30	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

31	04 Nos. 220 kV bays at Dehradun Sub-station	Power Transmission Corporation Of Uttarakhand Limited	NR	2652156.16	Uttarakhand	As per Regulation 13(12) of Sharing Regulations 2020
32	YTC of NCC Power projects Ltd. -Nellore PS 400kV D/c (quad)	Sembcorp Energy India Ltd Project-2	SR	7195939.36		As per Regulation 13(9) of Sharing Regulations 2020
33	ICTs at 400/220 kV, 2x500 MVA Dhanbad sub-station	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	ER	9036420.38	Jharkhand	As per Regulation 13(12) of Sharing Regulations 2020

TOTAL**519458064**

Note: The details of bilateral billing mentioned are prepared on the basis of Format-I(C) received from ISTS Licensees.

Annexure-VIII**LTA details of exempted Renewable Energy (RE) based generation for the billing period of Dec'21**(As furnished by CTU- cumulative till Dec'21)

S.No	Name of the LTA customer (RE Injecting utility)	Region	Quantum of LTA Granted/ MTOA operationalised	LTA/MTOA with tied up beneficiaries	Name of the beneficiaries (for entire LTA granted)	Effective date of LTA/MTOA operation/initialization	Exempted quantum in MW (as on Dec-21)	Remarks	PS	SPD/SPV/Subsidiary
1	Rewa Ultra Mega Solar Power Development	WR	750	750	MP-651 MW, DMRC-99 MW	490MW:07.07.18; 260 MW:13.04.19	750	Further no billing on RUMS as bills already been raised.		
2	Ostro Kutch Wind Private Limited	WR	300	300	GRIDCO-50 MW, Jharkhand -50 MW, Bihar-50 MW, UPPCL-150MW	126MW:24.08.18; 50MW:02.11.18; 50MW:29.12.18; 24MW:30.03.19; 50MW:14.04.19	250	No Billing for Feb'22 billing month		
3	Inox Wind Infrastructure Services Limited	WR	500	500	Bihar -50 MW, Jharkhand -50 MW, UP - 200 MW, BRPL - 50 MW, Haryana - 150 MW	500MW:14.04.2019	210	No Billing for Feb'22 billing month. 10MW COD w.e.f 04.09.2021.		
4	ReNew Power Limited	WR	300	300	UP - 100 MW, PSPCL - 100 MW, GRIDCO - 50 MW, GOA - 50 MW	300MW:01.05.19	230.1	No Billing for Feb'22 billing month		

5	ReNew Power Limited	WR	50	50	UHBVN & DHBVN - 50MW	50MW: 23.11.19	0	Was Operationalized with the commissioning of common Transmission system vide CTU letter dated 20.11.2019 . No Billing for Feb'22 billing month.		
6	Green Infra Wind Energy Ltd.	WR	250	250	Assam (APDCL) - 50 MW, GRIDCO Ltd.-100 MW, Jharkhand (JBVNL)- 100 MW	151.2MW: 14.04.19; 98.8 MW: 04.11.19	250	No Delayed part Billing for Feb'22 billing month corresponding 98.8 MW ,due to Non availability of approved CERC tariff order for ATS.		
7	Green Infra Wind Energy Ltd.	WR	300	300	PSPCL - 200 MW, Bihar DISCOMs: 100 MW (NBPDC & SBPDCL)	300 MW: 04.11.19	300	No Delayed part Billing for Feb'22 billing month,due to Non availability of approved CERC tariff order for ATS.		
8	Adani Green Energy MP Ltd. (AGEMPL Dayapar)	WR	100	100	UPPCL - 40 MW , NPCL - 10 MW, PSPCL - 50 MW	100 MW: 04.11.19	100	No Delayed part Billing for Feb'22 billing month,due to Non availability of approved CERC tariff order for ATS.		
9	SEI Sunshine	WR	180	180	TPDDL- 180 MW	90 MW:18.11.19; 90 MW: 01.04.20	180	No Billing for Feb'22 billing month		

10	Alfanar Energy Pvt. Limited	WR	300	300	BRPL -150 MW, BYPL -50 MW, TPDDL - 50 MW, Bihar - 50 MW	100MW: 31.01.20; 50MW: 15.02.20; 50MW: 28.02.20; 36MW: 06.10.20; 36MW: 20.10.20; 28MW: 10.02.21	300	No Delayed part Billing for Feb'22 billing month, due to Non availability of approved CERC tariff order for ATS. Already included in Format II G(2).		
11	ReNew Wind Energy (AP2) Private Limited (2 separate LTA grants, 1 to Haryana & 2nd to GRIDCO)	WR	262.5	262.5	Haryana	50 MW:25.02.20; 100 MW: 20.09.20; 20: 03.12.20; 40: 10.12.20; 43.75: 20.12.20 4.375: 27.01.21 4.375: 19.02.21	262.5	No Delayed part Billing for Feb'22 billing month, due to Non availability of approved CERC tariff order for ATS. Already included in Format II G(2).		
			37.5	37.5	GRIDCO	30: 10.12.2020 6.25: 20.12.2020 0.625: 27.01.21 0.625: 19.02.21	37.5	LTA operationalized on existing margin. No billing for Feb'22 Billing month. Already included in Format II G(2).		
12	Mytrah Energy (India) Pvt Ltd (GEC-I Corridor)	SR	250	250	UPPCL - 100 MW, Jharkhand -50 MW, Bihar - 50 MW, Assam - 50 MW	75MW: 10.06.18; 50MW: 30.09.18; 125MW: 01.12.18;	250	Further no billing on Mytrah as bills already been raised.		

13	AP Solar Power Corporation Pvt Ltd (NP Kunta)	SR	1500	1500	Andhra Pradesh-1500MW	250MW: 11.07.16; 750MW: 04.08.18; 500MW: 01.10.18;	1400	Already included in Format II G (1)		
14	Karnataka Solar Power development Corporation Ltd	SR	2050	2050	Karnataka -1850 MW, UPPCL-200 MW	600MW: 12.07.18; 400MW: 28.09.18; 200MW: 30.12.19; 850 MW: 03.05.20	2050	Further no billing on KSPDCL as bills already been raised.		
15	Green Infra Renewable Energy Ltd.	SR	249.9	249.9	UPPCL - 99.9 MW, Jharkhand -50 MW, Bihar - 50 MW, BRPL - 50 MW	249.9 MW: 10.10.18	249.9	No delay. Hence, no billing.		
16	Orange Sironj Power Pvt. Ltd.	SR	200	200	Bihar - 100 MW, Haryana - 100 MW	200 MW: 22.02.19	200	Further no billing on Orange Sironj as bills already been raised.		
17	Betam Wind Energy Private Limited	SR	250.2	250.2	Bihar - 50.2 MW, Odisha-100 MW, UPPCL - 100 MW	250.2 MW:31.07.19	218.2	LTA was granted on existing margins. However, CERC in tariff petition 172/TT/2018 has linked the LTA to 2X500MVA, 400/230kV ICTs at Tirunelveli Pool (Tuticorin-II). Therefore, Betam is not included in FORMAT II-G(3).		

18	Saurya Urja Company of Rajasthan Limited	NR	500	500	UPPCL-500 MW	500 MW: 27.10.19	500	No Delayed part Billing for Feb'22 billing month, due to Non availability of approved CERC tariff order for ATS.	Bhadla	Claen Solar Power (Bhadla) Pvt. Ltd. : 300MW SB Energy Four Pvt. Ltd.: 200MW
19	Adani Renewable Energy Park Rajasthan Ltd.	NR	250	250	UPPCL-250 MW	250 MW: 27.10.19	250	No delay. Hence, no billing.	Bhadla	Azure Power India Pvt. Ltd.: 200MW ReNew Solar Power Pvt. Ltd.: 50MW
20	NTPC Ltd. (Auraiya Solar)	NR	20	20	UPPCL-20MW	15MW: 25.10.2020 5MW: 30.11.2020	20	Further No billing.	Auraiya	
21	Sprng Renewable Energy Pvt Limited	SR	300	300	UP-300 MW	300 MW: 30.11.19	300	Already included in Format II G(3)		
22	Adani Wind Energy Kutchh Three Limited	WR	250	250	Chandigarh Administration, UT, Chandigarh 40MW Uttar Pradesh Power Corporation Ltd 85MW Kerala State Electricity Board Ltd 75MW GRIDCO LTD. 50MW	115 MW: 05.02.2021 30.5 MW: 15.03.2021 43.8 MW: 08.04.2021 28.5 MW: 05.05.2021 32.2 MW: 09.05.2021	250	No Billing for Feb'22 billing month. Already included in Format II G(2)		

23	Continuum Power Trading (TN) Pvt. Ltd	WR	50	50	MPPMCL	15.02.2021	50	32MW RE Capacity commissioned wef 12/4/21 18MW RE Capacity commissioned wef 22/4/21 No Billing for Feb'22 billing month. Already included in Format II G(2).		
24	Avikiran Solar India Private Ltd.. (ASIPL)	WR	285	285	MSEDCL-100MW MPPMCL-185MW	09.05.2021	0	LTA made effective vide letter dated 07.05.2021 upon commissioning of identified transmission system (Bhuj ICT Augmentation scheme) but generation is delayed. No Delayed part Billing for Feb'22 billing month, due to Non availability of tariff order for ATS.		
25	Essel Saurya Urja Company of Rajasthan Ltd.	NR	750	750	PSPCL-300MW NBPDC-207MW SBPDCL-243MW	01.06.2021	300	No Delayed part Billing for Feb'22 billing month, due to Non availability of approved CERC tariff order for ATS.	Bhadra	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. Already included in Format II G(2).		
27	Adani Renewable Energy Park Rajasthan Ltd.	NR	1000	296	TSSPDCL-208.82MW W TSNPDCL-87.18MW	01.08.2021	49.92	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). 49.92 MW: 30.12.21.	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	.		
29	Azure Power India Pvt. Ltd.	NR	130	130	MSEDCL	01.09.2021	130	No Billing for Feb'22 billing month	Bhadra	Azure Power Thirty Four Pvt. Ltd.
30	Tata Power Renewable Energy Ltd.	NR	150	150	MSEDCL	01.09.2021	150	No Billing for Feb'22 billing month	Bhadra	Tata Power Renewable Energy Ltd.

31	Azure Power India Pvt. Ltd.	NR	300	300	GRIDCO: 200MW BRPL: 100MW	01.09.2021	200	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 .No Delayed part Billing for Feb'22 billing month,due to Non availability of approved CERC tariff order for ATS.	Bhadra	Azure Power Forty One Pvt. Ltd.
32	Azure Power India Pvt. Ltd.	NR	200	200	MPPMCL	01.09.2021	0	No Delayed part Billing for Feb'22 billing month,due to Non availability of approved CERC tariff order for ATS.	Bhadra	Azure Power Maple Pvt. Ltd.
33	Azure Power India Pvt. Ltd.	NR	50	50	MPPMCL	01.09.2021	0	No Delayed part Billing for Feb'22 billing month,due to Non availability of approved CERC tariff order for ATS.	Bhadra	Azure Power Maple Pvt. Ltd.

34	Renew Power Pvt Ltd	SR	300	300	SBPDCL: 162 MW NBPDC: 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 Total : 138.6 MW	136.5	SECI declared COD for 10.5 each w.e.f. 01.12.2021 & 18.12.21.		
35	SBSR Power Cleantech Eleven Pvt. Ltd.*	NR	300.0	300.0	TPDDL-200MW BYPL-100MW	20.11.2021	0.0	LTA made effective vide CTU letter dated 18.11.2021 . 50MW commissioned but waiver documents not submitted.	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 : 1200001655. 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.	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.

Total 14040.1 13586.1 10749.6

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

Annexure-IX

सेंद्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)

CENTRAL TRANSMISSION UTILITY OF INDIA LTD.

(A wholly owned subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

Ref. No.: CTU/S/07/NLDC

Date: 21.01.2022

Executive Director

National Load Dispatch Centre
POSOCO
61, IFCI Tower, 8 & 9th Floor,
Nehru Place, New Delhi – 110019

Sub: Exemption of LTA quantum (deemed) from Central Generating Stations of Southern Region connected to both ISTS & Intra-State transmission system and only to STU system – reg.

Dear Sir,


SRPC vide letter dated 16.12.2021(copy of letter enclosed) has communicated the recommendations of the Sub-Group committee which was deliberated 39th SRPC/TCC meeting wherein following was decided :

1. The Implementing Agency (NLDC) may exempt deemed LTA quantum from the computation of monthly transmission charges in respect of the following:
 - a. Telangana quantum of share from Ramagundam STPS Stage-I & II
 - b. Tamil Nadu quantum of share from NLC TS-II Stage-I
2. NLDC may be requested to exempt deemed LTA of Tamil Nadu from Madras Atomic Power Station (MAPS), NPCIL (connected to only STU system) in line with the CERC orders of similarly placed generators.

In this regard, it is to inform that CTU during the above said meeting has also agreed with the methodology / philosophy adopted by the Sub-Group committee. Accordingly, it is requested that NLDC may kindly implement the decisions taken in the referred SRPC favorably.

Thanking you,


Yours faithfully,


P C Garg
COO (CTU)

Copy to :

The Secretary

Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building,
36, Janpath, New Delhi-110001

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलूरु -560009			Email/ Speed Post Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru-560 009
Email: mssrpc-ka@nic.in		Web site: www.srpc.kar.nic.in	Fax: 080-22259343
सं/No.	SRPC/ MS/ 2021/	दिनांक /Date	16 th December 2021

सेवा में / To

The Executive Director
NLDC, New Delhi.

Subject:	Exemption of LTA quantum (deemed) from the Central Generating Stations of SR connected to both ISTS & intra-state transmission system and only to STU system -reg.
Ref:	1) TANGEDCO's letter dated dt:24.03.2021 addressed to SRPC
	2) SRPC's letter No.SRPC/SE-I/2021/773-76 dt. 29 th March, 2021
	3) TANGEDCO's letter dated dt:30.03.2021 addressed to SRPC
	4) NLDC letter dated 06.04.2021 addressed to CERC
	5) NLDC letter dated 24.08.2021 addressed to TANGEDCO
	6) CERC's letter dated 11.08.2021 addressed to NLDC
	7) TANGEDCO's letter dated dt:30.03.2021
	8) CTUIL's letter dated 24.09.2021 addressed to SRPC

Sir,

This has reference to the correspondences cited above with regard to the issue of exemption of LTA quantum (deemed) raised by TANGEDCO. The Regulation 13(11) of the Sharing Regulations 2020 stipulates that in the case of a generating station is connected to both ISTS and intra-State transmission system, only ISTS charges and losses shall be applicable on the quantum of Long Term Access and Medium Term Open Access corresponding to capacity connected to ISTS.

In this context, based on the request of CTUIL and TANGEDCO, a special TCC meeting was convened. Subsequently, a Sub-Group under SRPC Secretariat comprising Members from CTUIL, NLDC, SRLDC and SLDCs/STUs/ Discoms of Southern Region has been constituted to formulate Objective Methodology/ General Philosophy to be adopted for determining Long Term Access and Medium Term Open Access quantum corresponding to capacity connected to ISTS in case of Generating Stations connected to both ISTS and intra-State transmission system in line with the decision in the special meeting of TCC of SRPC held on 18.10.2021. The Sub-Group had conducted two meetings and a Joint study meeting, and had recommended the following:

- Methodology/ Philosophy for ascertaining the adequacy of intra-STU Network to evacuate their share from a GS connected to both STU system & ISTS as below:

- i. The intra-STU network planned and implemented at the time of commissioning of the concerned Central Generating Station (CGS) only to be considered.
 - ii. ISTS Network connected to CGS may be taken out of service and CGS may be left connected with intra-state transmission system (STU network) of home state. If the home state STU system is meeting the all the requirements as per the transmission planning criteria to evacuate their share, then that quantum may be considered for exemption in the computation of sharing of transmission charges.
 - iii. Latest ATC/TTC All India Peak Base Case may be used for this purpose.
 - iv. Ex-Bus Firm + Un-allocated quantum of the beneficiaries (i.e., 100% of CGS net capacity) to be considered to evaluate whether the home state STU system is capable of evacuating their share.
- b) As per the above methodology, the following two Stations have been found to fit and falling within the ambit of Regulation 13(11) of the Sharing Regulations 2020, where deemed LTA may be exempted:
- i. Telangana for its quantum of share from Ramagundam STPS Stage-I & II.
 - ii. Tamil Nadu for its quantum of share from NLC TPS II Stage I.

In the 39th meetings of TCC/ SRPC held on 03.12.2021/06.12.2021, the recommendations of the Sub-Group have been further deliberated and decided the following:

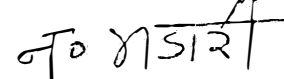
- a) The Implementing Agency (NLDC) may exempt deemed LTA quantum from the computation of monthly transmission charges in respect of the following:
 - i. Telangana quantum of share from Ramagundam STPS Stage I & II
 - ii. Tamil Nadu quantum of share from NLC TPS II Stage I.
- b) NLDC may be requested to exempt deemed LTA of Tamil Nadu from Madras Atomic Power Station (MAPS), NPCIL (connected to only TN STU system) in line with the CERC Orders of similarly placed generators.

In view of the above, it is requested that NLDC may kindly implement the above decisions of SRPC favorably.

While approving this letter, Chairperson, SRPC opined to exclude the deemed LTA of Tamil Nadu and Telangana in respect of the above three Stations and also to revise the ISTS transmission charges and losses from the effective date of implementation of the Sharing Regulations 2020 i.e. 01.11.2020.

Thanking You,

भवदीय/Yours faithfully,



(एन एस भंडारी / N S Bhandari)

सदस्य सचिव / Member Secretary

Copy to:

1. Secretary, CERC, New Delhi
2. COO, CTUIL, New Delhi