

**CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

No.L-1/44/2010-CERC

Coram:

**Shri P.K Pujari, Chairperson
Shri I.S. Jha, Member
Shri Arun Goyal, Member**

Date of Order: 21st February 2021

In the matter of:

Determination of Point of Connection (PoC) rates for the period of October 2020 to November 2020 in accordance with Regulation 17(2) of the Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010 and amendments thereto.

And in the matter of:

1. National Load Despatch Centre, New Delhi
2. Central Transmission Utility, New Delhi

.....Respondents

ORDER

The Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2010 (hereinafter referred to as 'the 2010 Sharing Regulations') came into force with effect from 1.7.2011.

2 National Load Dispatch Centre as the Implementing Agency under the 2010 Sharing Regulations has been entrusted with the responsibility of computation of transmission charges and losses. Further, as per Regulation 17 of the 2010 Sharing Regulations, the Implementing Agency is required to submit the following information after the computation of transmission charges and losses:-



- (a) Approved Basic Network Data and Assumptions, if any;
- (b) Zonal and nodal transmission charges for the ensuing Application Period;
- (c) Zonal and nodal transmission losses data for the ensuing Application Period;
- (d) Schedule of charges payable by each constituent for the ensuing Application Period;
- (e) YTC detail (information submitted by the transmission licensees covered under these Regulation and computation by Implementing Agency);
- (f) Zone wise details of PoC Charges to enable each DIC to see details of transmission lines it is using and whose transmission charges it is sharing.

3. The Implementing Agency vide its letter dated 5.10.2020 has submitted following information in compliance with Regulation 17 of the 2010 Sharing Regulations:-

- (a) Approved Basic Network Data and Assumptions;
- (b) Zonal and nodal transmission charges for the ensuing Application Period;
- (c) Zonal and nodal transmission losses data for the ensuing Application Period;
- (d) Schedule of charges payable by each constituent for the ensuing Application Period;
- (e) Yearly Transmission Charges (YTC) details of ISTS Licensees;
- (f) PoC rates and loss percentage computation details;
- (g) LTA /MTOA and their commencement schedule.

4. We have examined the basic network data and assumptions, the results of the Load Flow Studies, the Yearly Transmission Charges of the ISTS licensees and the calculation of PoC Charges for demand zone and injection zone (for LTA to target region) submitted by the Implementing Agency. We find that the calculations submitted



by the Implementing Agency have been done as per provisions of the 2010 Sharing Regulations and amendments thereof and accordingly, we approve the Basic Network, Load Flow and the assumptions made for computation of the final PoC rates and final transmission losses, their fitment into slabs and schedule of charges payable by each DIC for the period from October 2020 to November 2020 as submitted by Implementing Agency.

5. The Implementing Agency after computation of PoC rates for each injection zone and demand zone has assigned them to different slabs. We have gone through the details furnished by the Implementing Agency and find the same in order. The total Monthly Transmission Charge (MTC) considered for the period from October 2020 to November 2020 is Rs 3328.24 crores.

6. In the light of the above, we approve the following:

(a) The applicable PoC slab rates for Long Term Access (LTA) and Medium Term Open Access (MTOA) in ₹/MW/month for each demand zone (for withdrawal DICs) and injection zone (for injection DICs having LTA to target region) as per details at Annexure-II. The slabs for POC rates for LTA / MTOA are as follows:

PoC Slab	(₹/MW/Month)
I	481067
II	428211
III	375355
IV	322499
V	269643
VI	216787
VII	163931
VIII	111075
IX	58219



(b) The Generation and Demand figures (MW) considered in base case of PoC for the period from October 2020 to November 2020 is given in Annexure-I.

(c) The Reliability Support Charges, HVDC Charges for all Regions are given in Annexure-II.

(d) We also direct the Implementing Agency to publish zonal PoC Rates and associated details which will enable a clear understanding of the calculations used for arriving at these rates, along with underlying network information and base load flows used.

7. The PoC rates in the instant Order is for the period from October 2020 to November 2020. However, we observe that CERC (Sharing of inter-state transmission charges and losses) Regulations 2020 have become effective from 1.11.2020 and accordingly the transmission charges for period from 1.11.2020 shall be in accordance with CERC (Sharing of inter-state transmission charges and losses) Regulations 2020. Regulation 22 of the CERC (Sharing of inter-state transmission charges and losses) Regulations 2020 provides that in the transition period of November 2020 and December 2020, bills would be raised as per the provisions of the 2010 Sharing Regulations. Thus, the bills raised in the month of November 2020 and December 2020 shall be based on the notified PoC rates for October 2020 and November 2020 respectively, determined in accordance with the 2010 Sharing Regulations.

8. Further, since the period of October 2020 to November 2020 is already over, Short term Open rates and transmission losses as per Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010 have not been included in this Order.



9. The Implementing Agency is directed to endorse a copy of this order to all DICs and other concerned agencies. The Implementing Agency and the Central Transmission Utility shall also give wide publicity to this order through their websites.

sd/-
(Arun Goyal)
Member

sd/-
(I. S. Jha)
Member

sd/-
(P.K. Pujari)
Chairperson



Demand and Generation considered in Base case of POC for the period from October 2020 to November 2020

Name of DICs	load (MW)	Generation (MW)
ACBIL		419
AD Hydro		141
Adhunik Power		351
Andhra Pradesh	8,165	5,879
APL Mundra		2,850
Arunachal Pradesh	126	107
Assam	1,568	511
Balco		351
Bangladesh	800	
Barh		1,053
BBMB		1,870
Bhutan	-	1,316
Bihar	4,890	527
Bongaigaon NTPC		540
CGPL		2,896
Chamera 1		477
Chamera 2		263
Chamera 3		201
Chandigarh	250	
Chattisgarh	3,708	1,977
Chujachan		87
Coastal Energen		658
Dadra Nagar Haveli	600	
Dadri-NCR	-	1,316
Daman & Diu	231	
Darlipalli STPP ST-1		658
DB Power		905
Delhi	4,244	768
DGEN		351
Dhariwal		240
Dikchu HEP		84
Dulasti		342
DVC	2,716	3,665
ESIL	415	
Essar Mahan		588
Farakka		1,492
Gadarwada		492
GMR Warora		456



Name of DICs	load (MW)	Generation (MW)
Goa	461	
Goa SR	74	
Gujarat	15,131	8,060
Harayana	6,504	1,926
Himachal Pradesh	1,541	564
IL&FS		963
Jammu & Kashmir	2,399	1,281
Jhabua Power		494
Jhajjar		1,241
Jharkhand	1,287	355
Jindal		386
JITPL		999
Jorethang		79
JP Nigrie		1,089
JPL Stg-2		1,000
JPL_CPP	89	89
Kahalgaon		1,667
Kaiga		516
Kamalanga TPP (GMR)		532
Kameng		263
Karcham Wangtoo		941
Karnataka	10,979	8,595
Kerala	3,045	1,316
Khargone STPS		527
Koldam		695
Korba		2,125
Koteshwar		302
KSK Mahanadi		1,477
Kudankulam		1,618
Kudgi STPS		1,270
Lanco		490
Lara		492
Madhya Pradesh	12,273	5,410
Maharastra	19,375	11,902
Manipur	223	92
Mauda		1,316
MB Power (Anuppur)		789
Meghalaya	355	209
Mizoram	125	52
MPL		658
Nabinagar BRBCL		618
Nagaland	144	77



Name of DICs	load (MW)	Generation (MW)
Naptha Jhakri		1,413
Neyveli-ALL		1,499
NPGC (Nabinagar)		544
NSPCL Bhilai		406
NTECL-Vallur		834
NTPC Vindhyachal		3,875
Odisha	3,783	3,336
Palatana GBPP		597
Parbati III		320
Pondicherry	379	
Punjab	6,025	3,628
Rajasthan	11,534	7,475
Ramagundam		1,862
Rampur HEP		394
Ranganadi, NEEPCO		352
RAPP C		353
Ratnagiri Dabhol		579
REGL		307
REL		702
Rihand_WR		749
Rihand-G		1,704
RKM Power		614
Sainj HEP		89
Sasan UMPP		3,362
Sembcorp Energy India Ltd.		993
Sembcorp Gayatri Power Ltd.		1,094
Sholapur STPP		307
Sikkim	100	58
Simhadri I		789
Simhadri II		789
Singrauli		1,640
Sipat		2,452
SKS Power		483
Spectrum Power		67
Sree Cement		167
SSP		35
Talcher		658
Talcher Stage II		1,229
Tamil Nadu	13,005	6,556
Tanda Stg-2		380
Tarapur		863
Tashiding HEP		82



Name of DICs	load (MW)	Generation (MW)
Teesta V		447
Teesta-III		922
Tehri		923
Telangana	9,884	5,842
Torrent_GJ		1,038
Tripura	387	236
TRN Energy		482
Tuticorin TPP		828
Unchahar		1,247
URI 1 HPS		347
URI II HPS		176
Uttar Pradesh	17,283	9,152
Uttarakhand	1,817	1,066
West Bengal	5,997	4,294



Slabs for PoC Rates - Northern Region (October 2020 - November 2020)					
Sl. No.	Name of Entity	PoC Slab Rate (Rs./MW/Month)	Reliability Support Charges Rate (Rs./MW/Month)	HVDC Charges Rate for NR (Rs./MW/Month)	Bilateral charges (Rs/Month)
1	Rajasthan	481067	32145	45256	
2	Haryana	375355	32145	45256	
3	Uttarakhand	322499	32145	45256	
4	Uttar Pradesh	269643	32145	45256	
5	Delhi	163931	32145	45256	
6	Punjab	163931	32145	45256	
7	Jammu & Kashmir	111075	32145	45256	
8	AD Hydro	58219	32145	45256	
9	Chandigarh	58219	32145	45256	
10	Himachal Pradesh	58219	32145	45256	
11	MUNPL Meja	Payable towards MTC of 400 kV Meja- Allahabad			4496917

Slabs for PoC Rates - Eastern Region (October 2020 - November 2020)					
Sl. No.	Name of Entity	PoC Slab Rate (Rs./MW/Month)	Reliability Support Charges Rate (Rs./MW/Month)	HVDC Charges Rate for ER (Rs./MW/Month)	Bilateral charges (Rs/Month)
1	GMR Kamalanga	481067	32145	11588	
2	DVC	269643	32145	11588	
3	Jorthang	269643	32145	11588	
4	Odisha	269643	32145	11588	
5	Taseding	269643	32145	11588	
6	Bihar	216787	32145	11588	
7	Jharkhand	216787	32145	11588	
8	West Bengal	163931	32145	11588	
9	Bangladesh	111075	32145	11588	
10	Chujachen	111075	32145	11588	
11	Sikkim	58219	32145	11588	
12	West Bengal_Inj	58219	32145	11588	
13	BRBCL Nabinagar	Payment towards MTC of 400kV Nabinagar-Sasaram			7025354
14	NPGC Nabinagar	Payment towards MTC of 400kV Nabinagar II - Gaya D/C Quad			21200667
15	NTPC Darlipalli	Payment towards MTC of 765kV Darlipalli-Jharsuguda Ckt-1 along with bays at Jharsuguda			4008792



Slabs for PoC Rates -Western Region (October 2020 - November 2020)

Sl. No.	Name of Entity	Slab Rate (Rs./MW/Month)	Reliability Support Charges Rate (Rs./MW/Month)	HVDC Charges Rate for WR (Rs./MW/Month)	Bilateral charges (Rs/Month)
1	ACB Ltd	481067	32145	11588	
2	DB Power	481067	32145	11588	
3	Jindal Power Limited	481067	32145	11588	
4	Maharashtra	481067	32145	11588	
5	Spectrum Coal & Power	481067	32145	11588	
6	TRN Energy Pvt. Ltd.	481067	32145	11588	
7	KSK Mahanadi	428211	32145	11588	
8	Dadra & Nagar Haveli	322499	32145	11588	
9	MB Power	322499	32145	11588	
10	Goa-WR	269643	32145	11588	
11	Gujarat	269643	32145	11588	
12	Madhya Pradesh	269643	32145	11588	
13	GMR Warora	216787	32145	11588	
14	Chhattisgarh	111075	32145	11588	
15	Daman Diu	111075	32145	11588	
16	SUGEN	111075	32145	11588	
17	Chhattisgarh_Inj	58219	32145	11588	
18	Adani Power Limited	For 1495 MW LTA to Haryana from HVDC Mundra-Mahendergarh			348881971
19	NTPC Gadawara	Charges payable towards MTC of PowerGrid Warora Transmission system			146695833
20	NTPC Lara	Payable towards MTC of 400kV Lara STPS-1 - Raigarh PS and Lara STPS-1 - Champa PS D/C Quad			26899083

Slabs for PoC Rates - Southern Region (October 2020 - November 2020)

Sl. No.	Name of Entity	PoC Slab Rate (Rs./MW/Month)	Reliability Support Charges Rate (Rs./MW/Month)	HVDC Charges Rate for SR (Rs./MW/Month)
1	Andhra Pradesh	481067	32145	18226
2	Karnataka	375355	32145	18226
3	Sembcorp Gayatri Power Ltd	269643	32145	18226
4	Telangana	269643	32145	18226
5	Sembcorp Energy India Limited	216787	32145	18226
6	Tamil Nadu	216787	32145	18226
7	Kerala	163931	32145	18226
8	Goa-SR	111075	32145	18226
9	Pondicherry	58219	32145	18226



Slabs for PoC Rates - North Eastern Region (October 2020-November 2020)

Sl. No.	Name of Entity	PoC Slab Rate (Rs./MW/Month)	Reliability Support Charges Rate (Rs./MW/Month)	HVDC Charges Rate for NER (Rs./MW/Month)
1	Nagaland	322499	32145	11588
2	Mizoram	269643	32145	11588
3	Assam	216787	32145	11588
4	Manipur	216787	32145	11588
5	Meghalaya	111075	32145	11588
6	Tripura	111075	32145	11588
7	Arunachal Pradesh	58219	32145	11588

