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Revised GNAsh and GNAd as per CERC(Connectivity and General Network Access to the inter-State Transmission System)(First Amendment) Regulations,2023

State	Yearly Average of Daily Max ISTS drawal (X_1)(MW)	Yearly Max ISTS drawal(Y_1)(MW)	Z_1= 0.5*x+0.5*y (MW)	Yearly Average of Daily Max ISTS drawal (X_2)(MW)	Yearly Max ISTS drawal(Y_2)(MW)	Z_2= 0.5*x+0.5*y (MW)	Yearly Average of Daily Max ISTS drawal (X_3)(MW)	Yearly Max ISTS drawal(Y_3)(MW)	Z_3= 0.5*x+0.5*y (MW)	GNAsh* (MW)=Avg of Z1 Z2 & Z3	GNA (MW) As per Annexure-I of GNA Regulations ,2022	GNAd (MW) (=GNA-GNAsh)
	2018-19			2019-20			2020-21					
Northern Region												
Haryana	4660	7321	5991	5433	7778	6606	5499	9132	7316	**5143**	5418	275
Rajasthan	3874	5596	4735	4359	7759	6059	5080	7466	6273	**5689**	5755	66
Uttar Pradesh	7068	10304	8686	8136	12090	10113	8492	12582	10537	**9779**	10165	386
Southern Region												
Tamil Nadu	6707	9560	8134	7361	9984	8673	7501	11475	9488	**8765**	9177	412
Telangana	4160	6115	5137	4104	7854	5979	4380	8193	6286	**5801**	6140	339
Andhra Pradesh	2635	4578	3606	2741	5357	4049	3771	6110	4941	**4199**	4516	317
Western Region												
Chhattishgarh	1100	2219	1659	1491	2353	1922	1459	2714	2086	**1889**	2149	260
Gujarat	5346	8699	7023	4284	6260	5272	4675	8611	6643	**6312**	6434	122
Maharashtra	6481	10207	8344	6437	8790	7613	7409	10238	8824	**8260**	8496	236
Easten Region												
Bihar	4095	4782	4438	4320	5494	4907	4553	5840	5196	**4847**	5043	196
North Easten Region												
Arunachal Pradesh	118	145	132	99	132	115	84	128	106	**117**	134	17
Assam	1171	1468	1319	1186	1608	1397	1251	1690	1470	**1396**	1529	133
Manipur	135	196	166	147	201	174	166	218	192	**177**	204	27
Nagaland	112	145	128	117	140	128	113	140	126	**128**	134	6

Note:

1. For computation of GNAsh, ISTS drawal has been considered after subtracting the Direct drawal based on the details of generating stations as provided by CTU as per CERC(Connectivity and General Network Access to the inter-State Transmission System) (First Amendment) Regulations,2023.
2. Block-wise meter data has been used for computation of ISTS drawal by State.
3. For Haryana, GNAsh has been reduced by 1495MW in line with the Annexure-I of GNA Regulations,2022
4. # As the power from Telangana STPP,Dhariwal(unit-1 of 300MW) and Chuzachen HEP were not included in ISTS drawl for the period 2018-19, 2019-20 and 2020-21,So for the computation of GNAd & GNAsh these Generating stations have not been considered
5. Updated list of generating stations as provided by CTU, from which drawal through STU lines and Scheduled quantum of States have been considered for computation of Direct drawal and GNAsh is enclosed as Annexure-I
6. Relevant extract of CERC(Connectivity and General Network Access to the inter-State Transmission System) (First Amendment) Regulations,2023 is enclosed as Annexure-II

Updated list of generating stations as provided by CTU, from which drawal through STU lines and Scheduled quantum of States have been considered for computation of Direct drawal and GNAsh

Northern Region	**Generating Stations**
Haryana	IGTPS(Jhajjhar)
Rajasthan	Anta GPS, RAPS B
Uttar Pradesh	Unchahar Stage-I,Tanda Stage-II,Narora Atomic Power Station(NAPS)
Southern Region	
Tamil Nadu	Madras Atomic Power Station (MAPS), Neyveli TS-II Stage-I, New Neyveli TPS
Telangana	Ramagundam STPS St-I&II, (#)Telangana STPP
Andhra Pradesh	Simhadri- Stage-1
Western Region	
Chhattishgarh	NSPCL (formerly BESCL)
Gujarat	Tarapur 1&2 APS, Kawas GPS, Gandhar GPS
Maharashtra	Tarapur 1&2 APS, Ratnagiri Gas & Power Pvt.Ltd, (#)Dhariwal(unit-1 of 300MW)
Easten Region	
Bihar	Kanti Stage-2 (at 220kV level)
Sikkim	(#)Chuzachen HEP
North Easten Region	
Arunachal Pradesh	Pare HEP, Ranganadi HEP
Assam	Bongaigaon TPS
Manipur	Loktak HEP
Nagaland	Doyang HEP

“ Annexure-II

Methodology to determine ‘Direct drawal’ by a State from a regional entitygenerating station

State’s share of power which is evacuated directly through the STU Network from an inter-State generating station connected only to STU or to both STU andISTS, shall be determined and treated as follows:

a) For regional entity generating stations already connected to STU and ISTS or only STU system as on the date of coming into force of these regulations, ISTS drawal data as considered under Regulation 18.1 for host State where such generating station is located shall be reduced to factor in the direct drawal by State, based on the following methodology:

i. The STU network planned and implemented to evacuate State’s share of power from such generating station at the time of commissioning of the concerned generating station shall only be considered.

ii. CTU shall provide a list of such generating stations to NLDC within a week of coming into effect of these Regulations.

iii. NLDC shall calculate the quantum of ISTS drawal blockwise as “Direct drawal” for years 2018-19,2019-2020 and 2020-2021:

‘Direct drawal’= Lower of

Actual ISTS drawal through STU feeders connected to identified generating station or drawal schedule of the State from such generating station for corresponding block.

iv. The blockwise ‘Direct drawal’ shall be reduced from blockwise actual

ISTS drawal data for such State.

v. Based on modified ISTS drawal data as calculated at sub-clause (iv) of this Regulation, GNAsh shall be calculated for such State as per formula specified in Regulation 18.1. The reduction in GNA for such State shall be calculated as GNAd which will be as follows:

GNAd = GNA as indicated at Annexure-I – (Modified GNA after accounting for 'direct drawal' (GNAsh)

vi. NLDC shall notify on its website, a list of GNAd for each such State within 1 month of notification of these Regulations.

vii. For the purpose of Sharing of transmission charges under Sharing Regulations, GNA for the State shall be considered after reducing GNAd from GNA as per Annexure-I of these Regulations.

viii. For all other purposes including scheduling of power from such identified generating station by RLDC to the host State, GNA quantum as per Annexure-I of these Regulations shall be considered.

ix. While calculating Regional transmission deviation account under Sharing Regulations, actual ISTS drawal data for such host State shall be reduced by quantum of 'Direct drawal' for each time-block as per formula at subclause (iii) of this Regulation.

b) For regional entity generating stations which are yet to be connected to STU and ISTS or only STU system as on coming into force of these regulations.

i. The STU network planned and being implemented to evacuate State's share of power from such generating station and ISTS has not been planned and constructed for evacuation of such share of the state shall only be considered;

ii. The host State STU network shall meet all the requirements as per the transmission planning criteria to evacuate the State's share of power from such generating station.

iii. CTU shall identify such generating station and inform NLDC.

iv. NLDC shall calculate the quantum of ISTS drawal as "Direct drawal" fromthe blockwise ISTS drawal data for respective time blocks:

'Direct drawal'= Lower of

Actual ISTS drawal through STU feeders connected to identified generating station or drawal schedule of the State from such generating station for corresponding block

The quantum of blockwise 'Direct drawal' shall be reduced from actual ISTS drawal data for such State for purpose of regional transmission deviation accounts under Sharing Regulations.

v. While calculating Regional transmission deviation account under Sharing Regulations, actual ISTS drawal data for such host State shall be reduced by quantum of 'Direct drawal' for each time-block as per formula at subclause (iv) of this Regulation.

vi. For all other purposes including scheduling of power from such identified generating station by RLDC to the host State, GNA quantum equal to Connectivity with STU system shall be considered which shall not considered for billing under Sharing Regulations."

Sd/-

(Harpreet Singh Pruthi)
Secretary