National Load Despatch Centre Total Transfer Capability for January 2020

Issue Date: 02nd January 2020 Issue Time: 1230 hrs Revision No. 4

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA) #	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
	1 . 1	00-06				195	1805		
NR-WR*	1st January 2020 to 31st	06-18	2500	500	2000	250	1750		
	January 2020	18-24				195	1805		
		00-06	14900 13950**	500	14400 13450**	10231 9281**	4169 4169**		
	1st January 2020 to 2nd	06-18	14900	500	14400	10420	3980		
	January 2020	18-24	13950** 14900	500	13450** 14400	9470** 10231	3980** 4169		
		00-06	13950** 14900	500	13450** 14400	9281**	4169** 4169		
	3rd January 2020 to 4th January 2020	06-0830	13950** 14900	500	13450** 14400	9281** 10420	4169** 3980		Reduction in TTC/ATC due to
WR-NR*		0830-18	13950** 13800	500	13450** 13300	9470**	3980**		planned outage of 765 kV Phagi - Gwalior - I
		18-24	12850** 13800	500	12350**	9470**	2880** 3069	-1100	
		00-06	12850** 14900 13950**	500	12350** 14400 13450**	9281** 10231 9281**	3069** 4169 4169**		
	5th January 2020 to 31st January 2020	06-18	14900 13950**	500	14400	10420	3980**		
		18-24	14900 13950**	500	14400	10231	4169 4169**		
	1st January	00-06	2000		1800	193	1607		
NR-ER*	2020 to 31st January 2020	06-18 18-24	2000 2000 2000	200	1800 1800 1800	303 193	1497 1607		
ER-NR*	1st January 2020 to 31st January 2020	00-24	5250	300	4950	4050	900		
W3-ER	1st January 2020 to 31st January 2020	00-24				No limit is be	ing specified.		
ER-W3	1st January 2020 to 31st January 2020	00-24				No limit is be	ing specified.		

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		00.05	5050		4550		515		
	1st January	00-05			4550		515		
WR-SR	2020 to 4th	05-22	5050	500	4550	4035	515		
	January 2020	22-24	5050		4550		515		
	5thJanuary	00-05	5550		5050		1015		
WR-SR	2020 to 31st	05-22	5550	500	5050	4035	1015		
	January 2020	22-24	5550		5050		1015		
SR-WR *	1st January 2020 to 31st January 2020	00-24				No limit is bei	ing Specified.		
		00-06				2663	2037		
ER-SR	1st January 2020 to 31st	06-18	4950	250	4700	2748	1952		
EK-SK	January 2020		4730	230	4700				
	•	18-24				2663	2037		
SR-ER *	1st January 2020 to 31st	00-24				No limit is bei	ing Specified.		
D21 221	January 2020						8.4		
	1st January	00-17	1300		1255		921		
ER-NER	2020 to 31st	17-23	1000	45	955	334	621		
	January 2020	23-24	1300		1255		921		
	1st January	00-17	2650		2605		2605		
NER-ER	2020 to 31st	17-23	2610	45	2565	0	2565		
	January 2020	23-24	2650		2605		2605		
W3 zone Injection	1st January 2020 to 31st January 2020	00-24							

Note: TTC/ATC of S1-(S2&S3) corridor, Import of S3(Kerala), Import of Punjab and Import of DD & DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.

* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First

**Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.

- 1) S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala
- 2) W3 comprises of the following regional entities:
- a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak
- f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, L)DB Power, m) KWPCL, n)Vandana Vidyut o)RKM, p)GMR Raikheda, q)Ind Barath and any other regional entity generator in Chhattisgarh
- # The figure is based on LTA/MTOA approved by CTU and Allocation figures as per RPCs RTA/REA. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissionned the LTA/MTOA utilized would vary. RLDC/NLDC would factor this situation on day-ahead basis. In the eventuality that net schedules exceed ATC, real time curtailments might be effected by RLDCs/NLDC.

In case of TTC Revision due to any shutdown :

- 1) The TTC value will be revised to normal values after restoration of shutdown.
- 2) The TTC value will be revised to normal values if the shutdown is not being availed in real time.

Serve).

**Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in

Simultaneous Import Capability

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA)	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
		00-06	20400		19600	14281	5319		
			19450**		18650**	13331**			
		06-09	21900		21100	14470	6630		
	1 . 1		20950**		20150**	13520**			
	1st January 2020 to 2nd	09-17	20400	800	19600	14470	5130		
	January 2020	09-17	19450**	800	18650**	13520**	3130		
	Junuary 2020		19850		19050	14470			
		17-18	18900**		18100**	13520**	4580		
			19850		19050	14281			
		18-24	18900**		18100**	13331**	4769		
		00.04	20400		19600	14281	721 0		
		00-06	19450**		18650**	13331**	5319		
			21900		21100	14470		0	
		06-0830	21700		21100	14470	6630		
			20950**		20150**	13520**			
			20300		19500	14470			
	3rd January	0830-09					5030	-1600	Reduction in TTC/ATC due to
NR	2020 to 4th		19350**	- 800	18550**	13520**			planned outage of 765 kV
	January 2020	09-17	18900 17950**		18100 17150**	14470	3630	-1500	Phagi - Gwalior - I
			18400		17600	14470			
		17-18	10100		17000	11170	3130	-1450	
			17450**		16650**	13520**			
			18400		17600	14281			
		18-24	1.77.1.75 Outsite		1 < < 70 dada	1.000.1 state	3319	-1450	
			17450** 20400		16650** 19600	13331** 14281			
		00-06	40 4 00		1 7000	14201	5319		
		30 00	19450**		18650**	13331**			
			21900		21100	14470			
		06-09					6630		
	54h Tanana		20950**		20150**	13520**			
	5th January 2020 to 31st	09-17	20400	800	19600	14470	5130		
	January 2020	0)-17	19450**	000	18650**	13520**	3130		
	, = = = =		19850		19050	14470			
		17-18					4580		
			18900**		18100**	13520**			
		18-24	19850		19050	14281	4769		
		10-24	18900**		18100**	13331**	4/07		
	1st January	00-17	1300		1255	13331	921		
NER	2020 to 31st	17-23	1000	45	955	334	621		
	January 2020	23-24	1300		1255		921		

WR									
VVIX									
	1st January	00-06	10000		9250	6698	2552		
	2020 to 4th	06-18	10000	10000 750 9250 6783 2467	9250 6783 2467				
SR	January 2020	18-24	10000		9250	6698	2552		
SK	5th January	00-06	10500		9750	6698	3052		
	2020 to 31st	06-18	10500	750	9750	6783	2967		
	January 2020	18-24	10500		9750	6698	3052		

^{*} Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

Margin in Simultaneous import of NR = A

WR-NR ATC =B

ER-NRATC = C

Margin for WR-NR applicants = A * B/(B+C)

Margin for ER-NR Applicants = A * C/(B+C)

^{**}Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW exbus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.

^{*} For approving STOA Bilateral transactions, margin available in Simultaneous Import of NR would be apportioned on WR-NR Corridor & ER-NR Corridor in the following ratio:

Simultaneous Export Capability

Corrido r	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA)	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
NID 4	1st January	00-06	4500	700	3800	388	3412		
NR*	2020 to 31st	06-18		700	3800	553	3247		
	January 2020	18-24	4500		3800	388	3412		
	1st January	00-17	2650		2605		2605		
NER	2020 to 31st	17-23	2610	45	2565	0	2565		
	January 2020	23-24	2650		2605		2605		
WR									
VV IX									
SR *	1st January 2020 to 31st January 2020	00-24				No limit is be	sing Specified.		

^{*} Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

Limiting Constraints (Corridor wise)

C		Applicable Revisions
Corridor	Constraint	
WR-NR	n-1 contingency of 765 kV Aligarh - Jhatikara Line will lead to overlaoding of 765 kV Aligarh - Gr. Noida Line	Rev- 0 to 3
VV IX-1 VIX	N-1 contigency of 765/400 kV, 1500 MVA ICT at Agra-PG will overload the other ICT	Rev- 4
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 4
ER-NR	 N-1 contingencies of 400 kv Mejia-Maithon A S/C N-1 contingencies of 400 kv Kahalgaon-Banka S/C N-1 contingencies of 400kV MPL- Maithon S/C 	Rev- 0 to 4
WR-SR	n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT	Rev- 0 to 4
and ER-	n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT	Rev- 0 to 4
SR	Low Voltage at Gazuwaka (East) Bus.	Rev- 0 to 4
ER-NER	a. N-1 contingency of 400 kV Bongaigaon - Azara line b. High Loading of 220 kV Salakati-BTPS Double circuit (200 MW)	Rev- 0 to 4
NER-ER	a. N-1 contingency of 400 kV Silchar- Azara Line b. High Loading of 400 kV Bongaigaon-Killing line	Rev- 0 to 2
	a. N-1 contingency of 400 kV Silchar- Azara Line b. High Loading of 400 kV Silchar-Killing line	Rev- 3-4
W3 zone Injection		Rev- 0 to 4

Limiting Constraints (Simultaneous)

			Applicable Revisions
	Import	 N-1 contingencies of 400 kv Mejia-Maithon A S/C N-1 contingencies of 400 kv Kahalgaon-Banka S/C N-1 contingencies of 400kV MPL- Maithon S/C 	Rev- 0 to 4
NR		n-1 contingency of 765 kV Aligarh - Jhatikara Line will lead to overlaoding of 765 kV Aligarh - Gr. Noida Line	Rev- 0 to 4
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 4
	Import	a. N-1 contingency of 400 kV Bongaigaon - Azara lineb. High Loading of 220 kV Salakati-BTPS Double circuit (200 MW)	Rev- 0 to 4
NER	Export	a. N-1 contingency of 400 kV Silchar- Azara Lineb. High Loading of 400 kV Bongaigaon-Killing line	Rev- 0 to 2
	Емрог	a. N-1 contingency of 400 kV Silchar- Azara Lineb. High Loading of 400 kV Silchar-Killing line	Rev- 3-4
		n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT	Rev- 0 to 4
SR	Import	n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT	Rev- 0 to 4
		Low Voltage at Gazuwaka (East) Bus.	Rev- 0 to 4

National Load Despatch Centre Total Transfer Capability for January 2019

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
1	18th November 2019	Whole Month	Revised STOA margin due to 4.2 MW LTA and 19.76 MW MTOA to Assam from GIWEL	ER-NER/Import of NER
2	29th November 2019	Whole Month	Revised STOA margin due to the following. Operationalization of following LTAs:- a) AGEMPL to UPPCL – 40 MW b) GIWEL_SECI-III_RE to Punjab – 112 MW c) SEISPPL_MP to TPDDL – 90 MW Revision in LTA quantum of following:- a) INOX to UPPCL – 100 MW to 50 MW b) RPL-SECI-II-RE to UPPCL – 34.5 MW to 73.8 MW c) RPL-SECI-II-RE to Punjab – 73.8 MW to 100 MW d) Mahindra - Rewa UMSP to DMRC – 7.75 MW to 33 MW	WR-NR/Import of NR
			Revised STOA margin due to allocation of 100 MW quantum from NTPC-WR to Andhra Pradesh.	WR-SR/Import of SR
			Revised STOA margin due to the following:- a) Operationalization of 10 MW LTA from AGEMPL (Wind, Bhuj) to Noida Power Company Limited (UP) b) Change in LTA quantum from GIWEL_SECI-III_RE (Wind, Bhuj) to Punjab from 112 MW to 117.6 MW	WR-NR/Import of NR
3	31st December 2019	Whole Month	Revision in TTC/ATC due to the following:- a) Non availability of 220 kV Misa-Kopili and 132 kV Khandong- Kopili link b) Long outage of Kopili generation due to bursting of Penstock at Kopili c) Forced outage of Palatana Module-1 d) Change in Load-Generation of NER	ER-NER/NER-ER corridor and Import/Export of NER
		01st Jan 2020 to 04th Jan 2020	Reduction in TTC/ATC due to forced outage of HVDC Bhadrawati Block-I	WR-SR/Import of SR
4	2nd January 2020	3rd Jan 2020 to 4th Jan 2020	Reduction in TTC/ATC due to planned outage of 765 kV Phagi - Gwalior - I	WR-NR/Import of NR

Nome of State/Area	ASSUN	MPTIONS IN BASECASE						
Name of State/Area Peak Load (MW) Peak (MW) Off Peak (MW) Peak (MW) Off Peak (MW)					Month : January'20			
NORTHERN REGION 1	S.No.	Name of State/Area		Load	Generation			
1 Punjab 7620 5837 3839 3687 2 Haryana 7609 6313 1734 1734 3 Rajasthan 11864 11880 7595 7674 4 Delhi 4955 2966 718 718 718 5 Uttar Pradesh 13788 12963 6160 6142 6 Uttarakhand 1851 1394 703 461 7 Himachal Pradesh 1168 892 145 75 8 Jammu & Kashmir 1971 2079 421 421 9 Chandigarh 293 170 0 0 0 10 ISGS/IPPs 27 27 17739 11795 Total NR 51144 44520 39053 32706 II Bihar 45655 3383 165 165 2 Jharkhand 1140 989 362 327 3 Da			Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)		
2 Haryana 7609 6313 1734 1734 3 Rajasthan 11864 11880 7595 7674 4 Delhi 4955 2966 718 718 5 Uttar Pradesh 13788 12963 6160 6142 6 Uttar Akhand 1851 1394 703 461 7 Himachal Pradesh 1168 892 145 75 8 Jammu & Kashmir 1971 2079 421 421 9 Chandigarh 293 170 0 0 0 10 ISGS/IPPs 27 27 17739 11795 Total NR 51144 44520 39053 32706 1 Bihar 4565 3383 165 165 2 Jharkhand 1140 989 362 327 3 Damodar Valley Corporation 2600 2971 4562 3873 4 Oris	I	NORTHERN REGION						
3 Rajasthan 11864 11880 7595 7674 4 Delhi 4955 2966 718 718 5 Uttar Pradesh 13788 12963 6160 6142 6 Uttarakhand 1851 1394 703 461 7 Himachal Pradesh 1168 892 145 75 8 Jammu & Kashmir 1971 2079 421 421 9 Chandigarh 293 170 0 0 0 10 ISGS/IPPs 27 27 17739 11795 Total NR 51144 44520 39053 32706 III EASTERN REGION 8 165 165 1 Bihar 4565 3383 165 165 2 Jharkhand 1140 989 362 327 3 Damodar Valley Corporation 2600 2971 4562 3873 4 Orissa <td< td=""><td>1</td><td>Punjab</td><td>7620</td><td>5837</td><td>3839</td><td>3687</td></td<>	1	Punjab	7620	5837	3839	3687		
4 Delhi 4955 2966 718 718 5 Uttar Pradesh 13788 12963 6160 6142 6 Uttarakhand 1851 1394 703 461 7 Himachal Pradesh 1168 892 145 75 8 Jammu & Kashmir 1971 2079 421 421 9 Chandigarh 293 170 0 0 0 10 ISGS/IPPs 27 27 17739 11795 11795 Total NR 51144 44520 39053 32706 32706 II EASTERN REGION 1 165 165 165 2 Jarkhand 1140 989 362 327 3 Damodar Valley Corporation 2600 2971 4562 3873 4 Orissa 4054 3098 3268 2234 5 West Bengal 7013 5688 4926 3921 <	2	Haryana	7609	6313	1734	1734		
5 Uttar Pradesh 13788 12963 6160 6142 6 Uttarakhand 1851 1394 703 461 7 Himachal Pradesh 1168 892 145 75 8 Jammu & Kashmir 1971 2079 421 421 9 Chandigarh 293 170 0 0 0 10 ISGS/IPPs 27 27 17739 11795 Total NR 51144 44520 39053 32706 II EASTERN REGION 1 Bihar 4565 3383 165 165 2 Jharkhand 1140 989 362 327 3 Damodar Valley Corporation 2600 2971 4562 3873 4 Orissa 4054 3098 3268 2234 5 West Bengal 7013 5688 4926 3921 6 Sikkim 225 311 0 0	3	Rajasthan	11864	11880	7595	7674		
6 Uttarakhand 1851 1394 703 461 7 Himachal Pradesh 1168 892 145 75 8 Jammu & Kashmir 1971 2079 421 421 9 Chandigarh 293 170 0 0 10 ISGS/IPPs 27 27 17739 11795 Total NR 51144 44520 39053 32706 II EASTERN REGION	4	Delhi	4955	2966	718	718		
7 Himachal Pradesh 1168 892 145 75 8 Jammu & Kashmir 1971 2079 421 421 9 Chandigarh 293 170 0 0 10 ISGS/IPPs 27 27 17739 11795 Total NR 51144 44520 39053 32706 II EASTERN REGION	5	Uttar Pradesh	13788	12963	6160	6142		
8 Jammu & Kashmir 1971 2079 421 421 9 Chandigarh 293 170 0 0 10 ISGS/IPPs 27 27 17739 11795 Total NR 51144 44520 39053 32706 II EASTERN REGION	6	Uttarakhand	1851	1394	703	461		
9 Chandigarh 293 170 0 0 10 ISGS/IPPs 27 27 17739 11795 Total NR 51144 44520 39053 32706 II EASTERN REGION 39053 32706 1 Bihar 4565 3383 165 165 2 Jharkhand 1140 989 362 327 3 Damodar Valley Corporation 2600 2971 4562 3873 4 Orissa 4054 3098 3268 2234 5 West Bengal 7013 5688 4926 3921 6 Sikkim 225 311 0 0 7 Bhutan 178 347 336 281 8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION 1 15086 10205	7	Himachal Pradesh	1168	892	145	75		
10 ISGS/IPPs 27 27 17739 11795 Total NR 51144 44520 39053 32706 II EASTERN REGION	8	Jammu & Kashmir	1971	2079	421	421		
Total NR	9	Chandigarh	293	170	0	0		
II	10	ISGS/IPPs	27	27	17739	11795		
1 Bihar 4565 3383 165 165 2 Jharkhand 1140 989 362 327 3 Damodar Valley Corporation 2600 2971 4562 3873 4 Orissa 4054 3098 3268 2234 5 West Bengal 7013 5688 4926 3921 6 Sikkim 225 311 0 0 7 Bhutan 178 347 336 281 8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION 1 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334		Total NR	51144	44520	39053	32706		
1 Bihar 4565 3383 165 165 2 Jharkhand 1140 989 362 327 3 Damodar Valley Corporation 2600 2971 4562 3873 4 Orissa 4054 3098 3268 2234 5 West Bengal 7013 5688 4926 3921 6 Sikkim 225 311 0 0 7 Bhutan 178 347 336 281 8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION 1 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334								
2 Jharkhand 1140 989 362 327 3 Damodar Valley Corporation 2600 2971 4562 3873 4 Orissa 4054 3098 3268 2234 5 West Bengal 7013 5688 4926 3921 6 Sikkim 225 311 0 0 7 Bhutan 178 347 336 281 8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION 15089 11817 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Hav	П	EASTERN REGION						
3 Damodar Valley Corporation 2600 2971 4562 3873 4 Orissa 4054 3098 3268 2234 5 West Bengal 7013 5688 4926 3921 6 Sikkim 225 311 0 0 7 Bhutan 178 347 336 281 8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295	1	Bihar	4565	3383	165	165		
4 Orissa 4054 3098 3268 2234 5 West Bengal 7013 5688 4926 3921 6 Sikkim 225 311 0 0 7 Bhutan 178 347 336 281 8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION 1 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036	2	Jharkhand	1140	989	362	327		
5 West Bengal 7013 5688 4926 3921 6 Sikkim 225 311 0 0 7 Bhutan 178 347 336 281 8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION 1 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	3	Damodar Valley Corporation	2600	2971	4562	3873		
6 Sikkim 225 311 0 0 7 Bhutan 178 347 336 281 8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION 1 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	4	Orissa	4054	3098	3268	2234		
7 Bhutan 178 347 336 281 8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION VIIII 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	5	West Bengal	7013	5688	4926	3921		
8 ISGS/IPPs -178 -347 12627 9543 Total ER 19596 16440 26244 20344 III WESTERN REGION VARIANTE 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	6	Sikkim	225	311	0	0		
III WESTERN REGION 1 Maharashtra 19414 11587 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	7	Bhutan	178	347	336	281		
III WESTERN REGION 1 Maharashtra 19414 11587 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	8	ISGS/IPPs	-178	-347	12627	9543		
1 Maharashtra 19414 11587 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372		Total ER	19596	16440	26244	20344		
1 Maharashtra 19414 11587 15086 10205 2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372								
2 Gujarat 15089 11817 10252 8665 3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	III	WESTERN REGION						
3 Madhya Pradesh 10715 8841 3652 4046 4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	1	Maharashtra	19414	11587	15086	10205		
4 Chattisgarh 4390 2701 2460 2390 5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	2	Gujarat	15089	11817	10252	8665		
5 Daman and Diu 334 214 0 0 6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	3	Madhya Pradesh	10715	8841	3652	4046		
6 Dadra and Nagar Haveli 836 637 0 0 7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	4	Chattisgarh	4390	2701	2460	2390		
7 Goa-WR 551 295 0 0 8 ISGS/IPPs 5331 4036 43289 31372	5	Daman and Diu	334	214	0	0		
8 ISGS/IPPs 5331 4036 43289 31372	6	Dadra and Nagar Haveli	836	637	0	0		
	7	Goa-WR	551	295	0	0		
Total WR 56660 40129 74740 56677	8	ISGS/IPPs	5331	4036	43289	31372		
		Total WR	56660	40129	74740	56677		

S.No.	Name of State/Area		Load	Generation		
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)	
IV	SOUTHERN REGION					
1	Andhra Pradesh	9440	7721	7006	5245	
2	Telangana	10136	7870	4948	4648	
3	Karnataka	9838	6400	7796	4125	
4	Tamil Nadu	13865	11313	6747	5897	
5	Kerala	3836	2263	1484	189	
6	Pondy	304	304	0	0	
7	Goa-SR	59	59	0	0	
8	ISGS/IPPs	0	0	14019	12129	
	Total SR	47477	35931	42000	32233	
V	NORTH-EASTERN REGION					
1	Arunachal Pradesh	123	69	0	0	
2	Assam	1466	1082	234	206	
3	Manipur	193	115	0	0	
4	Meghalaya	349	261	112	58	
5	Mizoram	99	68	34	23	
6	Nagaland	124	81	12	4	
7	Tripura	211	133	99	99	
8	ISGS/IPPs	133	79	2071	1680	
	Total NER	2698	1887	2562	2069	
	Total All India	177575	138907	184600	144031	