

**National Load Despatch Centre
Total Transfer Capability for November 2021**

Issue Date: 29th November 2021

Issue Time: 1100hrs

Revision No. 31

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
NR-WR*	1st November 2021 to 30th November 2021	00-06	2500	500	2000	378	1622		
		06-18				956	1044		
		18-24				378	1622		
WR-NR*	1st November 2021 to 7th November 2021	00-06	17500 16550**	1000	16500 15550**	11412 10462**	5088		
		06-18	17500 16550**	1000	16500 15550**	11801 10851**	4699		
		18-24	17500 16550**	1000	16500 15550**	11412 10462**	5088		
WR-NR*	8th November 2021	00-06	17500 16550**	1000	16500 15550**	11412 10462**	5088		
		06-09	17500 16550**	1000	16500 15550**	11801 10851**	4699		
		09-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	9th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	10th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	11th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	12th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		

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WR-NR*	13th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	14th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	15th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-09	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		09-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	16th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	17th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-18	17300 16350**	1000	16300 15350**	11801 10851**	4499		
		18-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	18th November 2021	00-06	17300 16350**	1000	16300 15350**	11412 10462**	4888		
		06-18	15600 14650**	1000	14600 13650**	11801 10851**	2799		
		18-21	15600 14650**	1000	14600 13650**	11412 10462**	3188		
		21-24	17300 16350**	1000	16300 15350**	11412 10462**	4888		
WR-NR*	19th November 2021	00-06	19300 18350**	1000	18300 17350**	11412 10462**	6888		
		06-18	17600 16650**	1000	16600 15650**	11801 10851**	4799		
		18-21	17600 16650**	1000	16600 15650**	11412 10462**	5188		
		21-24	19300 18350**	1000	18300 17350**	11412 10462**	6888		

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WR-NR*	20th November 2021 to 21st November 2021	00-06	19300 18350**	1000	18300 17350**	11412 10462**	6888		
		06-18	17600 16650**	1000	16600 15650**	11801 10851**	4799		
		18-21	17600 16650**	1000	16600 15650**	11412 10462**	5188		
		21-24	19300 18350**	1000	18300 17350**	11412 10462**	6888		
WR-NR*	22nd November 2021 to 23rd November 2021	00-06	19500 18550**	1000	18500 17550**	11412 10462**	7088		
		06-18	17800 16850**	1000	16800 15850**	11801 10851**	4999		
		18-21	17800 16850**	1000	16800 15850**	11412 10462**	5388		
		21-24	19500 18550**	1000	18500 17550**	11412 10462**	7088		
WR-NR*	24th November 2021	00-06	19500 18550**	1000	18500 17550**	11412 10462**	7088		
		06-09	17800 16850**	1000	16800 15850**	11801 10851**	4999		
		09-18	17500 16550**	1000	16500 15550**	11801 10851**	4699		
		18-21	17500 16550**	1000	16500 15550**	11412 10462**	5088		
		21-24	19200 18250**	1000	18200 17250**	11412 10462**	6788		
WR-NR*	25th November 2021	00-06	19500 18550**	1000	18500 17550**	11412 10462**	7088		
		06-08	17800 16850**	1000	16800 15850**	11801 10851**	4999		
		08-18	16350 15400**	1000	15350 14400**	11801 10851**	3549		
		18-21	16350 15400**	1000	15350 14400**	11412 10462**	3938		
		21-24	18050 17100**	1000	17050 16100**	11412 10462**	5638		

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WR-NR*	26th November 2021	00-06	18050 17100**	1000	17050 16100**	11412 10462**	5638		
		06-08	16350 15400**	1000	15350 14400**	11801 10851**	3549		
		08-18	15850 14900**	1000	14850 13900**	11801 10851**	3049		
		18-21	15850 14900**	1000	14850 13900**	11412 10462**	3438		
		21-24	17550 16600**	1000	16550 15600**	11412 10462**	5138		
WR-NR*	27th November 2021 to 28th November 2021	00-06	18050 17100**	1000	17050 16100**	11412 10462**	5638		
		06-18	16350 15400**	1000	15350 14400**	11801 10851**	3549		
		18-21	16350 15400**	1000	15350 14400**	11412 10462**	3938		
		21-24	18050 17100**	1000	17050 16100**	11412 10462**	5638		
WR-NR*	29th November 2021	00-06	18050 17100**	1000	17050 16100**	11412 10462**	5638		
		06-09	16350 15400**	1000	15350 14400**	11801 10851**	3549		
		09-18	15850 14900**	1000	14850 13900**	11801 10851**	3049		
		18-21	15850 14900**	1000	14850 13900**	11412 10462**	3438		
		21-24	17550 16600**	1000	16550 15600**	11412 10462**	5138		
WR-NR*	30th November 2021	00-06	19500 18550**	1000	18500 17550**	11412 10462**	7088	1450	TTC/ATC Revised due to revival of HVDC APL Mundra Pole 1 & 2
		06-08	17800 16850**	1000	16800 15850**	11801 10851**	4999	1450	
		08-18	16250 15300**	1000	15250 14300**	11801 10851**	3449	1450	
		18-21	16250 15300**	1000	15250 14300**	11412 10462**	3838	1450	
		21-24	17950 17000**	1000	16950 16000**	11412 10462**	5538	1450	

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NR-ER*	1st November 2021 to 30th November 2021	00-06	2000	200	1800	93	1707		
		06-18	2000		1800	1491	309		
		18-24	2000		1800	93	1707		
ER-NR*	1st November 2021 to 7th November 2021	00-24	5250	400	4850	4322	528		
ER-NR*	8th November 2021	00-09	5250	400	4850	4322	528		
		09-24	5200	400	4800	4322	478		
ER-NR*	9th November 2021	00-24	5200	400	4800	4322	478		
ER-NR*	10th November 2021	00-24	5200	400	4800	4322	478		
ER-NR*	11th November 2021	00-24	5200	400	4800	4322	478		
ER-NR*	12th November 2021	00-24	5200	400	4800	4322	478		
ER-NR*	13th November 2021	00-24	5200	400	4800	4322	478		
ER-NR*	14th November 2021	00-24	5200	400	4800	4322	478		
ER-NR*	15th November 2021	00-09	5200	400	4800	4322	478		
		09-24	5200	400	4800	4322	478		
ER-NR*	16th November 2021	00-24	5200	400	4800	4322	478		
ER-NR*	17th November 2021	00-24	5200	400	4800	4322	478		
ER-NR*	18th November 2021	00-06	5200	400	4800	4322	478		
		06-21	6900	400	6500	4322	2178		
		21-24	5200	400	4800	4322	478		
ER-NR*	19th November 2021	00-06	5850	400	5450	4322	1128		
		06-21	7550	400	7150	4322	2828		
		21-24	5850	400	5450	4322	1128		

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ER-NR*	20th November 2021 to 21st November 2021	00-06	5850	400	5450	4322	1128		
		06-21	7550	400	7150	4322	2828		
		21-24	5850	400	5450	4322	1128		
ER-NR*	22nd November 2021 to 23rd November 2021	00-06	5900	400	5500	4322	1178		
		06-21	7600	400	7200	4322	2878		
		21-24	5900	400	5500	4322	1178		
ER-NR*	24th November 2021	00-06	5900	400	5500	4322	1178		
		06-09	7600	400	7200	4322	2878		
		09-21	7450	400	7050	4322	2728		
		21-24	5750	400	5350	4322	1028		
ER-NR*	25th November 2021	00-06	5900	400	5500	4322	1178		
		06-08	7600	400	7200	4322	2878		
		08-21	7250	400	6850	4322	2528		
		21-24	5550	400	5150	4322	828		
ER-NR*	26th November 2021	00-06	5550	400	5150	4322	828		
		06-08	7250	400	6850	4322	2528		
		08-21	7050	400	6650	4322	2328		
		21-24	5350	400	4950	4322	628		
ER-NR*	27th November 2021 to 28th November 2021	00-06	5550	400	5150	4322	828		
		06-21	7250	400	6850	4322	2528		
		21-24	5550	400	5150	4322	828		
ER-NR*	29th November 2021	00-06	5550	400	5150	4322	828		
		06-09	7250	400	6850	4322	2528		
		09-21	7050	400	6650	4322	2328		
		21-24	5350	400	4950	4322	628		
ER-NR*	30th November 2021	00-06	5900	400	5500	4322	1178	350	TTC/ATC Revised due to revival of HVDC APL Mundra Pole 1 & 2
		06-08	7600	400	7200	4322	2878	350	
		08-21	7000	400	6600	4322	2278	350	
		21-24	5300	400	4900	4322	578	350	
W3-ER	1st November 2021 to 30th November 2021	00-24	No limit is being specified.						
ER-W3	1st November 2021 to 30th November 2021	00-24	No limit is being specified.						

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WR-SR [^]	1st November 2021	00-05	10000	650	9350	3880	5470		
		05-08	10000		9350		5470		
		08-22	8800		8150		4270		
		22-24	8800		8150		4270		
WR-SR [^]	2nd November 2021	00-05	10000	650	9350	3880	5470		
		05-22	10000		9350		5470		
		22-24	10000		9350		5470		
WR-SR [^]	3rd November 2021	00-05	10350	650	9700	3880	5820		
		05-22	10350		9700		5820		
		22-24	10350		9700		5820		
WR-SR [^]	4th November 2021 to 8th November 2021	00-05	10350	650	9700	3880	5820		
		05-22	10350		9700		5820		
		22-24	10350		9700		5820		
WR-SR [^]	9th November 2021	00-05	10350	650	9700	3880	5820		
		05-09	10350		9700		5820		
		09-22	10100		9450		5570		
		22-24	10100		9450		5570		
WR-SR [^]	10th November 2021	00-05	10350	650	9700	3880	5820		
		05-22	10350		9700		5820		
		22-24	10350		9700		5820		
WR-SR [^]	11th November 2021	00-05	10350	650	9700	3880	5820		
		05-08	10350		9700		5820		
		08-22	8600		7950		4070		
		22-24	8600		7950		4070		
WR-SR [^]	12th November 2021 to 27th November 2021	00-05	8600	650	7950	3880	4070		
		05-22	8600		7950		4070		
		22-24	8600		7950		4070		
WR-SR [^]	28th November 2021	00-05	10350	650	9700	3880	5820		
		05-22	10350		9700		5820		
		22-24	10350		9700		5820		
WR-SR [^]	29th November 2021 to 30th November 2021	00-05	10350	650	9700	3880	5820		
		05-22	10350		9700		5820		
		22-24	10350		9700		5820		
SR-WR [^]	1st November 2021	00-08	6600	400	6200	913	5287		
		08-24	5150		4750		3837		
SR-WR [^]	2nd November 2021 to 10th November 2021	00-24	6600	400	6200	913	5287		
SR-WR [^]	11th November 2021	00-08	6600	400	6200	913	5287		
		08-24	6100	400	5700	913	4787		
SR-WR [^]	12th November 2021 to 27th November 2021	00-24	6100	400	5700	913	4787		
SR-WR [^]	28th November 2021	00-24	6600	400	6200	913	5287		
SR-WR [^]	29th November 2021	00-24	6600	400	6200	913	5287		
SR-WR [^]	30th November 2021	00-09	6600	400	6200	913	5287		
		09-24	5800	400	5400	913	4487		

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ER-SR ^a	1st November 2021 to 2nd November 2021	00-06	5750	350	5400	2672	2728			
		06-18				2757	2643			
		18-24				2672	2728			
ER-SR ^a	3rd November 2021	00-06	5800	350	5450	2672	2778			
		06-18				2757	2693			
		18-24				2672	2778			
ER-SR ^a	4th November 2021 to 10th November 2021	00-06	5800	350	5450	2672	2778			
		06-18				2757	2693			
		18-24				2672	2778			
ER-SR ^a	11th November 2021	00-06	5800	350	5450	2672	2778			
		06-08	5800			5450	2757	2693		
		08-18	5500			5150	2757	2393		
		18-24	5500			5150	2672	2478		
ER-SR ^a	12th November 2021 to 27th November 2021	00-06	5500	350	5150	2672	2478			
		06-18	5500			5150	2757	2393		
		18-24	5500			5150	2672	2478		
ER-SR ^a	28th November 2021	00-06	5800	350	5450	2672	2778			
		06-18	5800			5450	2757	2693		
		18-24	5800			5450	2672	2778		
ER-SR ^a	29th November 2021 to 30th November 2021	00-06	5800	350	5450	2672	2778			
		06-18				2757	2693			
		18-24				2672	2778			
SR-ER *	1st November 2021 to 30th November 2021	00-24	No limit is being Specified.							

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ER-NER*	1st November 2021 to 21st November 2021	00-02	1690	45	1645	455	1190		
		02-07	1690		1645	455	1190		
		07-12	1690		1645	455	1190		
		12-17	1690		1645	455	1190		
		17-21	1425		1380	455	925		
		21-24	1690		1645	455	1190		
ER-NER*	22nd November 2021 to 24th November 2021	00-02	1690	45	1645	455	1190		
		02-08	1690		1645	455	1190		
		08-12	1440		1395	455	940		
		12-17	1440		1395	455	940		
		17-21	1280		1235	455	780		
		21-24	1440		1395	455	940		
ER-NER*	25th November 2021 to 30th November 2021	00-02	1690	45	1645	455	1190		
		02-07	1690		1645	455	1190		
		07-12	1690		1645	455	1190		
		12-17	1690		1645	455	1190		
		17-21	1425		1380	455	925		
		21-24	1690		1645	455	1190		
NER-ER*	1st November 2021 to 21st November 2021	00-02	2930	45	2885	81	2804		
		02-07	2930		2885	81	2804		
		07-12	2930		2885	81	2804		
		12-17	2930		2885	81	2804		
		17-21	2825		2780	81	2699		
		21-24	2930		2885	81	2804		
NER-ER*	22nd November 2021 to 24th November 2021	00-02	2930	45	2885	81	2804		
		02-08	2930		2885	81	2804		
		08-12	2530		2485	81	2404		
		12-17	2530		2485	81	2404		
		17-21	2360		2315	81	2234		
		21-24	2530		2485	81	2404		
NER-ER*	25th November 2021 to 30th November 2021	00-02	2930	45	2885	81	2804		
		02-07	2930		2885	81	2804		
		07-12	2930		2885	81	2804		
		12-17	2930		2885	81	2804		
		17-21	2825		2780	81	2699		
		21-24	2930		2885	81	2804		

W3 zone Injection	1st November 2021 to 30th November 2021	00-24	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)						
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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 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 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) KWPCCL, n)Vandana Vidyut o)RKM, p)GMR Raikhedra, 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 commissioned 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.

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

*Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of WR-SR and ER-SR corridor has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implemetation.

*In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka SLDC by taking appropriate measures.

SR-WR TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.

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
NR	1st November 2021 to 7th November 2021	00-06	22750	1400	21350	15734	5616		
			21800**		20400**	14784**			
		06-09	22750		21350	16123	5227		
			21800**		20400**	15173**			
		09-17	22750		21350	16123	5227		
			21800**		20400**	15173**			
		17-18	22750		21350	16123	5227		
			21800**		20400**	15173**			
		18-24	22750		21350	15734	5616		
			21800**		20400**	14784**			
NR	8th November 2021	00-06	22750	1400	21350	15734	5616		
			21800**		20400**	14784**			
		06-09	22750		21350	16123	5227		
			21800**		20400**	15173**			
		09-17	22500		21100	16123	4977		
			21550**		20150**	15173**			
		17-18	22500		21100	16123	4977		
			21550**		20150**	15173**			
		18-24	22500		21100	15734	5366		
			21550**		20150**	14784**			
NR	9th November 2021	00-06	22500	1400	21100	15734	5366		
			21550**		20150**	14784**			
		06-09	22500		21100	16123	4977		
			21550**		20150**	15173**			
		09-17	22500		21100	16123	4977		
			21550**		20150**	15173**			
		17-18	22500		21100	16123	4977		
			21550**		20150**	15173**			
		18-24	22500		21100	15734	5366		
			21550**		20150**	14784**			

NR	10th November 2021	00-06	22500	1400	21100	15734	5366		
			21550**		20150**	14784**			
		06-09	22500		21100	16123	4977		
			21550**		20150**	15173**			
		09-17	22500		21100	16123	4977		
			21550**		20150**	15173**			
		17-18	22500		21100	16123	4977		
			21550**		20150**	15173**			
		18-24	22500		21100	15734	5366		
			21550**		20150**	14784**			
NR	11th November 2021	00-06	22500	1400	21100	15734	5366		
			21550**		20150**	14784**			
		06-09	22500		21100	16123	4977		
			21550**		20150**	15173**			
		09-17	22500		21100	16123	4977		
			21550**		20150**	15173**			
		17-18	22500		21100	16123	4977		
			21550**		20150**	15173**			
		18-24	22500		21100	15734	5366		
			21550**		20150**	14784**			
NR	12th November 2021	00-06	22500	1400	21100	15734	5366		
			21550**		20150**	14784**			
		06-09	22500		21100	16123	4977		
			21550**		20150**	15173**			
		09-17	22500		21100	16123	4977		
			21550**		20150**	15173**			
		17-18	22500		21100	16123	4977		
			21550**		20150**	15173**			
		18-24	22500		21100	15734	5366		
			21550**		20150**	14784**			
NR	13th November 2021	00-06	22500	1400	21100	15734	5366		
			21550**		20150**	14784**			
		06-09	22500		21100	16123	4977		
			21550**		20150**	15173**			
		09-17	22500		21100	16123	4977		
			21550**		20150**	15173**			
		17-18	22500		21100	16123	4977		
			21550**		20150**	15173**			
		18-24	22500		21100	15734	5366		
			21550**		20150**	14784**			

NR	14th November 2021	00-06	22500	1400	21100	15734	5366	
			21550**		20150**	14784**		
		06-09	22500		21100	16123	4977	
			21550**		20150**	15173**		
		09-17	22500		21100	16123	4977	
			21550**		20150**	15173**		
		17-18	22500		21100	16123	4977	
			21550**		20150**	15173**		
		18-24	22500		21100	15734	5366	
			21550**		20150**	14784**		
NR	15th November 2021	00-06	22500	1400	21100	15734	5366	
			21550**		20150**	14784**		
		06-09	22500		21100	16123	4977	
			21550**		20150**	15173**		
		09-17	22500		21100	16123	4977	
			21550**		20150**	15173**		
		17-18	22500		21100	16123	4977	
			21550**		20150**	15173**		
		18-24	22500		21100	15734	5366	
			21550**		20150**	14784**		
NR	16th November 2021	00-06	22500	1400	21100	15734	5366	
			21550**		20150**	14784**		
		06-09	22500		21100	16123	4977	
			21550**		20150**	15173**		
		09-17	22500		21100	16123	4977	
			21550**		20150**	15173**		
		17-18	22500		21100	16123	4977	
			21550**		20150**	15173**		
		18-24	22500		21100	15734	5366	
			21550**		20150**	14784**		
NR	17th November 2021	00-06	22500	1400	21100	15734	5366	
			21550**		20150**	14784**		
		06-09	22500		21100	16123	4977	
			21550**		20150**	15173**		
		09-17	22500		21100	16123	4977	
			21550**		20150**	15173**		
		17-18	22500		21100	16123	4977	
			21550**		20150**	15173**		
		18-24	22500		21100	15734	5366	
			21550**		20150**	14784**		

NR	18th November 2021	00-06	22500	1400	21100	15734	5366	
			21550**		20150**	14784**		
		06-09	22500		21100	16123	4977	
			21550**		20150**	15173**		
		09-17	22500		21100	16123	4977	
			21550**		20150**	15173**		
		17-18	22500		21100	16123	4977	
			21550**		20150**	15173**		
		18-24	22500		21100	15734	5366	
			21550**		20150**	14784**		
NR	19th November 2021	00-06	25150	1400	23750	15734	8016	
			24200**		22800**	14784**		
		06-09	25150		23750	16123	7627	
			24200**		22800**	15173**		
		09-17	25150		23750	16123	7627	
			24200**		22800**	15173**		
		17-18	25150		23750	16123	7627	
			24200**		22800**	15173**		
		18-24	25150		23750	15734	8016	
			24200**		22800**	14784**		
NR	20th November 2021 to 21st November 2021	00-06	25150	1400	23750	15734	8016	
			24200**		22800**	14784**		
		06-09	25150		23750	16123	7627	
			24200**		22800**	15173**		
		09-17	25150		23750	16123	7627	
			24200**		22800**	15173**		
		17-18	25150		23750	16123	7627	
			24200**		22800**	15173**		
		18-24	25150		23750	15734	8016	
			24200**		22800**	14784**		
NR	22nd November 2021 to 23rd November 2021	00-06	25400	1400	24000	15734	8266	
			24450**		23050**	14784**		
		06-09	25400		24000	16123	7877	
			24450**		23050**	15173**		
		09-17	25400		24000	16123	7877	
			24450**		23050**	15173**		
		17-18	25400		24000	16123	7877	
			24450**		23050**	15173**		
		18-24	25400		24000	15734	8266	
			24450**		23050**	14784**		

NR	24th November 2021	00-06	25400	1400	24000	15734	8266	
			24450**		23050**	14784**		
		06-09	25400		24000	16123	7877	
			24450**		23050**	15173**		
		09-17	24950		23550	16123	7427	
			24000**		22600**	15173**		
17-18	24950	23550	16123	7427				
	24000**	22600**	15173**					
18-24	24950	23550	15734	7816				
	24000**	22600**	14784**					
NR	25th November 2021	00-06	25400	1400	24000	15734	8266	
			24450**		23050**	14784**		
		06-08	25400		24000	16123	7877	
			24450**		23050**	15173**		
		08-09	23600		22200	16123	6077	
			22650**		21250**	15173**		
09-17	23600	22200	16123	6077				
	22650**	21250**	15173**					
17-18	23600	22200	16123	6077				
	22650**	21250**	15173**					
18-24	23600	22200	15734	6466				
	22650**	21250**	14784**					
NR	26th November 2021	00-06	23600	1400	22200	15734	6466	
			22650**		21250**	14784**		
		06-08	23600		22200	16123	6077	
			22650**		21250**	15173**		
		08-09	22900		21500	16123	5377	
			21950**		20550**	15173**		
09-17	22900	21500	16123	5377				
	21950**	20550**	15173**					
17-18	22900	21500	16123	5377				
	21950**	20550**	15173**					
18-24	22900	21500	15734	5766				
	21950**	20550**	14784**					

NR	27th November 2021 to 28th November 2021	00-06	23600	1400	22200	15734	6466	
			22650**		21250**	14784**		
		06-09	23600		22200	16123	6077	
			22650**		21250**	15173**		
		09-17	23600		22200	16123	6077	
			22650**		21250**	15173**		
17-18	23600	22200	16123	6077				
	22650**	21250**	15173**					
18-24	23600	22200	15734	6466				
	22650**	21250**	14784**					
NR	29th November 2021	00-06	23600	1400	22200	15734	6466	
			22650**		21250**	14784**		
		06-09	23600		22200	16123	6077	
			22650**		21250**	15173**		
		09-17	22900		21500	16123	5377	
			21950**		20550**	15173**		
17-18	22900	21500	16123	5377				
	21950**	20550**	15173**					
18-24	22900	21500	15734	5766				
	21950**	20550**	14784**					
NR	30th November 2021	00-06	25400	1400	24000	15734	6466	1800
			24450**		23050**	14784**		
		06-08	25400		24000	16123	7817	
			24450**		23050**	15173**		
		08-09	23250		21850	16123	5727	
			22300**		20900**	15173**		
09-17	23250	21850	16123	5727				
	22300**	20900**	15173**					
17-18	23250	21850	16123	5727				
	22300**	20900**	15173**					
18-24	23250	21850	15734	6116				
	22300**	20900**	14784**					
NER*	1st November 2021 to 21st November 2021	45	1190	1145	455	690		
			1190	1145	455	690		
			1190	1145	455	690		
			1190	1145	455	690		
			925	880	455	425		
			1190	1145	455	690		

TTC/ATC Revised due to revival of HVDC APL Mundra Pole 1 & 2

NER*	22nd November 2021 to 24th November 2021	00-02	1190	45	1145	455	690	
		02-08	1190		1145	455	690	
		08-12	940		895	455	440	
		12-17	940		895	455	440	
		17-21	780		735	455	280	
		21-24	940		895	455	440	
NER*	25th November 2021 to 30th November 2021	00-02	1190	45	1145	455	690	
		02-07	1190		1145	455	690	
		07-12	1190		1145	455	690	
		12-17	1190		1145	455	690	
		17-21	925		880	455	425	
		21-24	1190		1145	455	690	
WR*								
SR**	1st November 2021	00-06	15750	1000	14750	6553	8197	
		06-08	15750		14750	6638	8112	
		08-18	14550		13550	6638	6912	
		18-24	14550		13550	6553	6997	
SR**	2nd November 2021	00-06	15750	1000	14750	6553	8197	
		06-18	15750		14750	6638	8112	
		18-24	15750		14750	6553	8197	
SR**	3rd November 2021	00-06	16150	1000	15150	6553	8597	
		06-18	16150		15150	6638	8512	
		18-24	16150		15150	6553	8597	
SR**	4th November 2021 to 8th November 2021	00-06	16150	1000	15150	6553	8597	
		06-18	16150		15150	6638	8512	
		18-24	16150		15150	6553	8597	
SR**	9th November 2021	00-06	16150	1000	15150	6553	8597	
		06-09	16150		15150	6638	8512	
		09-18	15900		14900	6638	8262	
		18-24	15900		14900	6553	8347	
SR**	10th November 2021	00-06	16150	1000	15150	6553	8597	
		06-18	16150		15150	6638	8512	
		18-24	16150		15150	6553	8597	

SR**	11th November 2021	00-06	16150	1000	15150	6553	8597	
		06-08	16150		15150	6638	8512	
		08-18	14100		13100	6638	6462	
		18-24	14100		13100	6553	6547	
SR**	12th November 2021 to 27th November 2021	00-06	14100	1000	13100	6553	6547	
		06-18	14100		13100	6638	6462	
		18-24	14100		13100	6553	6547	
SR**	28th November 2021	00-06	16150	1000	15150	6553	8597	
		06-18	16150		15150	6638	8512	
		18-24	16150		15150	6553	8597	
SR**	29th November 2021 to 30th November 2021	00-06	16150	1000	15150	6553	8597	
		06-18	16150		15150	6638	8512	
		18-24	16150		15150	6553	8597	

* 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).

**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.

* 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:

Margin in Simultaneous import of NR = A

WR-NR ATC = B

ER-NR ATC = C

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

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

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

#Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of SR Import has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implementation.

In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka by taking appropriate measures.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.

Simultaneous Export 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
NR*	1st November 2021 to 30th November 2021	00-06	4500	700	3800	471	3329		
		06-18				2447	1353		
		18-24				471	3329		
NER*	1st November 2021 to 21st November 2021	00-02	3430	45	3385	81	3304		
		02-07	3430			81	3304		
		07-12	3430			81	3304		
		12-17	3430			81	3304		
		17-21	3325			81	3199		
		21-24	3430			81	3304		
NER*	22nd November 2021 to 24th November 2021	00-02	3430	45	3385	81	3304		
		02-08	3430			81	3304		
		08-12	3030			81	2904		
		12-17	3030			81	2904		
		17-21	2860			81	2734		
		21-24	3030			81	2904		
NER*	25th November 2021 to 30th November 2021	00-02	3430	45	3385	81	3304		
		02-07	3430			81	3304		
		07-12	3430			81	3304		
		12-17	3430			81	3304		
		17-21	3325			81	3199		
		21-24	3430			81	3304		
WR*									
SR*^	1st November 2021	00-08	5600	400	5200	1731	3469		
		08-24	4150		3750		2019		
SR*^	2nd November 2021 to 10th November 2021	00-24	5600	400	5200	1731	3469		
SR*^	11th November 2021	00-08	5600	400	5200	1731	3469		
		08-24	5200	400	4800	1731	3069		
SR*^	12th November 2021 to 27th November 2021	00-24	5200	400	4800	1731	3069		
SR*^	28th November 2021	00-24	5200	400	4800	1731	3069		
SR*^	29th November 2021	00-24	5600	400	5200	1731	3469		
SR*^	30th November 2021	00-09	5600	400	5200	1731	3469		
		09-24	4800	400	4400	1731	2669		

* 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).

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

^SR Export TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

Limiting Constraints (Corridor wise)			Applicable Revisions	
Corridor	Constraint			
WR-NR	N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT		Rev- 0 to 1	
	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit		Rev- 2 to 31	
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli		Rev- 0 to 31	
ER-NR	Inter-regional flow pattern towards NR		Rev- 0 to 31	
	N-1 of 400kV MPL-Maithon D/C & N-1 of 400kV Kahalgaon-Banka D/C		Rev- 20 to 31	
WR-SR and ER-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT		Rev- 0 to 2	
	N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit			
	Low Voltage at Gazuwaka (East) Bus.		Rev- 3 to 31	
	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT			
SR-WR	a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt		Rev- 0 to 31	
	b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs			
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line		Rev- 0 to 31	
	b) High Loading of 220 kV Salakati - BTPS D/C			
NER-ER	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II		Rev- 0 to 31	
	b) High Loading of 220 kV Salakati - Alipurduar II or I			
W3 zone Injection	---		Rev- 0 to 31	
Limiting Constraints (Simultaneous)			Applicable Revisions	
NR	Import	Inter-regional flow pattern towards NR	Rev- 0 to 31	
		N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT		Rev- 0 to 1
		N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit		Rev- 2 to 31
		N-1 of 400kV MPL-Maithon D/C & N-1 of 400kV Kahalgaon-Banka D/C		Rev- 20 to 31
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.	Rev- 0 to 31	
		(n-1) contingency of 400 kV Saranath-Pusauli		
NER	Import	a) N-1 contingency of 400 kV Bongaigaon - Killing line (0000 hrs to 2400 hrs)	Rev- 0 to 31	
		b) High Loading of 220 kV Balipara-Sonabil (0000 hrs to 0700 hrs)		
c) High Loading of 220 kV Salakati - BTPS D/C (0700 hrs to 1200 hrs)				
	Export	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II	Rev- 0 to 31	
		b) High Loading of 220 kV Salakati - Alipurduar II or I		
SR	Import	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev- 0 to 2	
		N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit		
		Low Voltage at Gazuwaka (East) Bus		
		N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT		
		Export	Low Voltage at Gazuwaka (East) Bus	Rev- 0 to 31
			N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt	
		N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs		

National Load Despatch Centre
Total Transfer Capability for November 2021

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
1	24th August, 2021	Whole Month	Revised TTC/ATC due to commissioning of 765kV Vindhyachal-Varanasi D/C	WR-NR, ER-NR & NR Import
2	28th August, 2021	Whole Month	Revised STOA margin due to increase in LTA from PGLR_SREPL to UP by 12 MW (from 228MW to 240 MW)	SR-WR/SR Export; WR-NR/NR Import
			Revised STOA margin due to operationalisation of LTA of 73 MW from Tuticorin-BETAMWIND to UPPLC (SR-ER-NR)	ER-NR/NR Import
			Revised STOA margin due to change in LTA allocations	NR-ER
			Revised STOA margin due to change in LTA allocations	NER Import/Export
3	25th September 2021	Whole Month	TTC/ATC revised due to commissioning of HVDC Raigarh-Pugalur Pole-3	WR-SR/ER-SR/SR Import
4	28th September 2021	Whole Month	a) operationalization of new LTA OF 73 MW from Tuticorin-BETAMWIND to UPPLC	WR-NR/NR Import
			b) operationalization of new LTA OF 10 MW from Tuticorin-IWISL to Haryana	
			Revised STOA margin due to a) Discontinuation of 250 MW MTOA from ACEPL to Madhya Pradesh b) Operationalization of new LTA of 250 MW from RSWPL3_FTG2 to BSPHCL c) Operationalization of new LTA of 300 MW from AP43PL_BKN to Odisha	ER-NR/WR-NR/NR Export
			Revised STOA margin due to a) operationalization of new LTA of 106 MW from Fatehgarh-II Solar to Telangana b) operationalization of new LTA of 176 MW from Bhadra-II Solar to Telangana	WR-SR/SR Import
			Revised STOA margin due to a) Increase LTA by 6 MW from BETAM to UP (NR) b) Increase LTA by 15 MW from Spring Energy/Pugalur to UP (NR) c) Operationalization of 63 MW LTA from HIRYUR_OSTROKANNADA to Bihar, ER	SR-WR/SR Export
			Revised STOA margin due to discontinuation of 50 MW MTOA Arunachal Pradesh to NPCL(UP)	NER-ER/NER Export
5	28th October 2021	Whole Month	Revised STOA margin due to a) Operationalization of LTA OF 39 MW from PGLR_SREPL to UPPLC b) Operationalization of LTA OF 11 MW from Tuticorin-BETAMWIND to UPPLC c) Discontinuation of 50 MW MTOA Arunachal Pradesh to NPCL(UP)	WR-NR/ER-NR/NR Import
			Revised STOA margin due to operationalization of new LTA of 33 MW from AP41PL_BHDL to ODISHA	NR-ER/NR Export
			Revised STOA margin due to a) Operationalization of LTA of 24 MW from Spring energy to UP (NR) b) Operationalization of LTA of 5 MW from BETAM to UP (NR) c) Operationalization of LTA of 5 MW from BETAM to Odisha (ER) d) Operationalization of LTA of 21 MW from Hiriyur_Ostrokannada to Bihar (ER)	SR-WR/SR-ER/SR Export
			1) Change in Load-Generation of NER 2) Two units of Kameng HEP (4x150 MW) are under force outage	ER-NR/NER Import/NER-ER/NER Export
6	30th October 2021	1st November 2021	Revised TTC/ATC due to shutdown of HVDC Raigarh-Pugalur Pole-3	WR-SR/SR Import/SR-WR/SR Export
		1st November 2021 to 2nd November 2021	Revised TTC/ATC due to extension of shutdown of 765kV Wardha-Aurangabad-3&4	WR-SR/ER-SR/SR Import
7	1st November 2021	3rd November 2021	Revised TTC/ATC due to extension of shutdown of 765kV Wardha-Aurangabad-3&4	WR-SR/ER-SR/SR Import
8	2nd November 2021	3rd November 2021	Revised TTC/ATC due to revival of 765kV Wardha-Aurangabad-3&4	WR-SR/ER-SR/SR Import
9	06th November 2021	8th November 2021	Revised TTC/ATC due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
		8th to 30th November 2021	Revised TTC/ATC due to shutdown of 400 KV MAHINDERGARH(APL)-DHANODA(HV) (ATIL) CKT-1	ER-NR/WR-NR/NR Import
10	07th November 2021	9th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2 Due to shutdown of 765KV-WARORA-PG-PARLI NEW-1	ER-NR/WR-NR/NR Import WR-SR/SR Import
11	08th November 2021	10th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
12	09th November 2021	11th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
		11th to 28th November 2021	TTC/ATC revised due to shutdown of HVDC Bhadravati-Ramagundam-1&2 and 400KV-BHADRAWATI-BHADRAWATI HVDC-1	WR-SR/SR Export
13	10th November 2021	12th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
14	11th November 2021	13th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
15	12th November 2021	14th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
16	13th November 2021	15th November 2021	Revised TTC/ATC- a) Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2 b) Shutdown of 765KV Satna-Gwalior line	ER-NR/WR-NR/NR Import
17	14th November 2021	15th November 2021	Revised TTC/ATC due to shutdown deferral of 765kV Satna-Gwalior line	ER-NR/WR-NR/NR Import
18	14th November 2021	16th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
19	15th November 2021	17th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
20	16th November 2021	18th to 20th November 2021	Revised TTC/ATC due to change in flow pattern of WR-NR & ER-NR	WR-NR/ER-NR
21	16th November 2021	18th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
22	17th November 2021	19th November 2021	Due to extension of shutdown of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
23	18th November 2021	19th November 2021	Due to revival of 765 kV Orai - Aligarh 1 & 2	ER-NR/WR-NR/NR Import
24	20th November 2021	22nd to 30th November 2021	Revised TTC/ATC due to revival of 400 KV MAHINDERGARH(APL)-DHANODA(HV) (ATIL) CKT-1	ER-NR/WR-NR/NR Import
		22nd to 24th November 2021	Revised TTC/ATC due to shutdown of 400 kV Bongaigaon - Azara line	ER-NR/NER Import/NER-ER/NER Export
25	22nd November 2021	24th November 2021	TTC/ATC Revised due to shutdown of 765KV-GWALIOR-Phagi-1	ER-NR/WR-NR/NR Import
26	23rd November 2021	25th November 2021 to 28th November 2021	Due to shutdown of HVDC 500KV APL POLE 1 & 2	ER-NR/WR-NR/NR Import
27	24th November 2021	26th November 2021	Revised TTC/ATC due to shutdown of 765kV Satna-Bina-2	ER-NR/WR-NR/NR Import
28	26th November 2021	27th November 2021	Revised TTC/ATC due to revival of HVDC Bhadravati-Ramagundam-1&2	WR-SR/ER-SR/SR Import/ SR-WR/SR Export
29	27th November 2021	29th November 2021	TTC/ATC Revised due to shutdown of HVDC APL Mundra Pole 1 & 2	ER-NR/WR-NR/NR Import
			TTC/ATC Revised due to shutdown of 765 kV Satna Vindhyanchal - 1	ER-NR/WR-NR/NR Import
30	28th November 2021	30th November 2021	TTC/ATC Revised due to shutdown of HVDC APL Mundra Pole 1 & 2 & 765 kV Satna - Gwalior	ER-NR/WR-NR/NR Import
			Due to shutdown of 400 kV Kolhapur (PG) - Kolhapur (MH) - 1	SR-WR/SR Export
31	29th November 2021	30th November 2021	TTC/ATC Revised due to revival of HVDC APL Mundra Pole 1 & 2	ER-NR/WR-NR/NR Import

ASSUMPTIONS IN BASECASE					
				Month : November 2021	
S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	10744	10867	3971	3971
2	Haryana	9492	9088	2701	2701
3	Rajasthan	10485	9635	8259	8259
4	Delhi	5321	5152	796	795
5	Uttar Pradesh	20631	20099	10623	10689
6	Uttarakhand	2124	1886	928	939
7	Himachal Pradesh	1354	1114	783	769
8	Jammu & Kashmir	2363	1962	884	883
9	Chandigarh	313	249	0	0
10	ISGS/IPPs	48	48	21958	20013
	Total NR	62875	60100	50903	49019
II	EASTERN REGION				
1	Bihar	6537	5617	356	349
2	Jharkhand	1958	1503	511	501
3	Damodar Valley Corporation	2985	2723	5856	4190
4	Orissa	4513	4310	3998	3798
5	West Bengal	9704	8401	7033	6210
6	Sikkim	119	116	0	0
7	Bhutan	181	181	2325	2325
8	ISGS/IPPs	810	810	15771	11533
	Total ER	26808	23662	35850	28906
III	WESTERN REGION				
1	Maharashtra	17405	16509	11624	10789
2	Gujarat	13918	11320	8601	7246
3	Madhya Pradesh	9254	8534	3596	3845
4	Chattisgarh	4309	3965	2531	2835
5	Daman and Diu	276	236	0	0
6	Dadra and Nagar Haveli	744	870	0	0
7	Goa-WR	534	420	0	0
8	ISGS/IPPs	1784	3263	36712	32338
	Total WR	48224	45117	63064	57053
IV	SOUTHERN REGION				
1	Andhra Pradesh	8024	7220	6268	5204
2	Telangana	9100	8117	5196	5078
3	Karnataka	8396	6654	6023	4850
4	Tamil Nadu	15210	13068	7256	6376
5	Kerala	3778	2349	1614	961
6	Pondy	264	264	0	0
7	Goa-SR	82	82	0	0
8	ISGS/IPPs	37	37	14805	14794
	Total SR	44891	37791	41162	37263
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	140	95	118	118
2	Assam	1849	1588	615	574
3	Manipur	207	86	105	103
4	Meghalaya	315	255	302	229
5	Mizoram	150	55	60	60
6	Nagaland	173	155	96	93
7	Tripura	435	260	300	300
8	ISGS/IPPs	0	0	2371	2370
	Total NER	3269	2494	3967	3847
	Total All India	186067	169164	194946	176088