

**National Load Despatch Centre**  
**Total Transfer Capability for May 2024**

Issue Date:May 30 2024

Issue Time:11:00:36

Revision No :28

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment	
ER-NER	01 May to 03 May	00:00 to 18:00	1360	60	1300	NA		0		
		18:00 to 22:00	690	60	630	NA		0		
		22:00 to 24:00	1360	60	1300	NA		0		
	04 May to 04 May	00:00 to 18:00	1220	60	1160	NA		0		
		18:00 to 22:00	550	60	490	NA		0		
		22:00 to 24:00	1220	60	1160	NA		0		
	05 May to 16 May	00:00 to 18:00	1270	60	1210	NA		0		
		18:00 to 22:00	600	60	540	NA		0		
		22:00 to 24:00	1270	60	1210	NA		0		
	17 May to 17 May	00:00 to 09:00	1270	60	1210	NA		0		
		09:00 to 18:00	1050	60	990	NA		0		
		18:00 to 22:00	400	60	340	NA		0		
		22:00 to 24:00	1050	60	990	NA		0		
	18 May to 31 May	00:00 to 18:00	1270	60	1210	NA		0		
		18:00 to 22:00	600	60	540	NA		0		
		22:00 to 24:00	1270	60	1210	NA		0		
	ER-NR	01 May to 15 May	00:00 to 24:00	6700	400	6300	NA		0	
		16 May to 16 May	00:00 to 06:00	6700	400	6300	NA		0	
06:00 to 24:00			6500	400	6100	NA		0		
17 May to 18 May		00:00 to 24:00	6700	400	6300	NA		0		
19 May to 19 May		00:00 to 07:00	6700	400	6300	NA		0		
		07:00 to 10:00	6550	400	6150	NA		0		
		10:00 to 24:00	6450	400	6050	NA		0		
20 May to 25 May		00:00 to 24:00	6700	400	6300	NA		0		
26 May to 26 May		00:00 to 09:00	6700	400	6300	NA		0		
		09:00 to 24:00	6600	400	6200	NA		0		
27 May to 31	00:00 to 24:00	6700	400	6300	NA		0			

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
	May								
ER-SR	01 May to 02 May	00:00 to 06:00	5750	350	5400	NA		0	
		06:00 to 18:00	5750	350	5400	NA		0	
		18:00 to 24:00	5750	350	5400	NA		0	
	03 May to 03 May	00:00 to 10:00	5750	350	5400	NA		0	
		10:00 to 18:00	4950	350	4600	NA		0	
		18:00 to 24:00	4950	350	4600	NA		0	
	04 May to 04 May	00:00 to 06:00	5750	350	5400	NA		0	
		06:00 to 18:00	5750	350	5400	NA		0	
		18:00 to 24:00	5750	350	5400	NA		0	
	05 May to 05 May	00:00 to 08:00	5750	350	5400	NA		0	
		08:00 to 24:00	5075	350	4725	NA		0	
	06 May to 11 May	00:00 to 24:00	5750	350	5400	NA		0	
	12 May to 12 May	00:00 to 08:00	5750	350	5400	NA		0	
		08:00 to 24:00	5750	350	5400	NA		0	
	13 May to 18 May	00:00 to 24:00	5750	350	5400	NA		0	
	19 May to 19 May	00:00 to 07:45	5750	350	5400	NA		0	
		07:45 to 24:00	5075	350	4725	NA		0	
	20 May to 25 May	00:00 to 24:00	5750	350	5400	NA		0	
26 May to 31 May	00:00 to 24:00	5975	350	5625	NA		0		
ER-W3	01 May to 31 May	00:00 to 24:00	No limit is being specified.						
ER-WR	01 May to 31 May	00:00 to 24:00	NA	NA		NA		0	
NER-ER	01 May to 31 May	00:00 to 17:00	3200	60	3140	NA		0	
		17:00 to 21:00	3200	60	3140	NA		0	
		21:00 to 24:00	3200	60	3140	NA		0	
NR-ER	01 May to 31 May	00:00 to 06:00	4000	300	3700	NA		0	
		06:00 to 18:00	4000	300	3700	NA		0	
		18:00 to 24:00	4000	300	3700	NA		0	

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
NR-WR	01 May to 09 May	00:00 to 06:00	6700	500	6200	NA		0	
		06:00 to 18:00	6700	500	6200	NA		0	
		18:00 to 24:00	6700	500	6200	NA		0	
	10 May to 10 May	00:00 to 07:00	6700	500	6200	NA		0	
		07:00 to 24:00	6250	500	5750	NA		0	
	11 May to 14 May	00:00 to 24:00	6700	500	6200	NA		0	
	15 May to 15 May	00:00 to 17:00	6700	500	6200	NA		0	
		17:00 to 24:00	5600	500	5100	NA		0	
	16 May to 16 May	00:00 to 15:00	6700	500	6200	NA		0	
		15:00 to 17:00	6700	500	6200	NA		0	
		17:00 to 24:00	5600	500	5100	NA		0	
	17 May to 20 May	00:00 to 24:00	6700	500	6200	NA		0	
	21 May to 21 May	00:00 to 15:00	6700	500	6200	NA		0	
		15:00 to 24:00	3750	500	3250	NA		0	
	22 May to 26 May	00:00 to 24:00	6700	500	6200	NA		0	
	27 May to 27 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 24:00	6250	500	5750	NA		0	
	28 May to 28 May	00:00 to 24:00	6700	500	6200	NA		0	
	29 May to 29 May	00:00 to 15:00	6700	500	6200	NA		0	
		15:00 to 24:00	3750	500	3250	NA		0	
	30 May to 30 May	00:00 to 17:00	6700	500	6200	NA		0	
		17:00 to 24:00	6450	500	5950	NA		0	
	31 May to 31 May	00:00 to 17:00	6700	500	6200	NA		0	
		17:00 to 24:00	6450	500	5950	NA		0	
SR-ER	01 May to 31 May	00:00 to 24:00	No limit is being specified.						
SR-WR	01 May to 31 May	00:00 to 06:00	6000	650	5350	NA		0	
		06:00 to 18:00	7650	650	7000	NA		0	
		18:00 to 24:00	6000	650	5350	NA		0	

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment	
W3 Injection	01 May to 31 May	00:00 to 24:00	NA	NA		NA		0		
W3-ER	01 May to 31 May	00:00 to 24:00	No limit is being specified.							
WR-ER	01 May to 31 May	00:00 to 06:00	5500	300	5200	NA		0		
		06:00 to 18:00	5500	300	5200	NA		0		
		18:00 to 24:00	5500	300	5200	NA		0		
WR-NR	01 May to 15 May	00:00 to 06:00	19200	1000	18200	NA		0		
		06:00 to 18:00	19200	1000	18200	NA		0		
		18:00 to 24:00	19200	1000	18200	NA		0		
	16 May to 16 May	00:00 to 06:00	19200	1000	18200	NA		0		
		06:00 to 18:00	17900	1000	16900	NA		0		
		18:00 to 24:00	17900	1000	16900	NA		0		
	17 May to 18 May	00:00 to 06:00	19200	1000	18200	NA		0		
		06:00 to 18:00	19200	1000	18200	NA		0		
		18:00 to 24:00	19200	1000	18200	NA		0		
	19 May to 19 May	00:00 to 07:00	19200	1000	18200	NA		0		
		07:00 to 10:00	18900	1000	17900	NA		0		
		10:00 to 24:00	18600	1000	17600	NA		0		
	20 May to 25 May	00:00 to 24:00	19200	1000	18200	NA		0		
	26 May to 26 May	00:00 to 09:00	19200	1000	18200	NA		0		
		09:00 to 24:00	18900	1000	17900	NA		0		
	27 May to 30 May	00:00 to 24:00	19200	1000	18200	NA		0		
	31 May to 31 May	00:00 to 24:00	22150	1000	21150	NA		0	0	
	WR-SR	01 May to 25 May	00:00 to 06:00	16100	650	15450	NA		0	
			06:00 to 08:00	16400	650	15750	NA		0	
			08:00 to 15:00	16100	650	15450	NA		0	
			15:00 to 17:00	16400	650	15750	NA		0	
			17:00 to 24:00	16100	650	15450	NA		0	
		26 May to 26 May	00:00 to 06:00	16100	650	15450	NA		0	

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
	May	06:00 to 08:00	16100	650	15450	NA		0	
		08:00 to 09:00	16100	650	15450	NA		0	
		09:00 to 15:00	15900	650	15250	NA		0	
		15:00 to 17:00	15900	650	15250	NA		0	
		17:00 to 24:00	15900	650	15250	NA		0	
	27 May to 27 May	00:00 to 06:00	16100	650	15450	NA		0	
		06:00 to 08:00	16100	650	15450	NA		0	
		08:00 to 15:00	16100	650	15450	NA		0	
		15:00 to 17:00	16100	650	15450	NA		0	
		17:00 to 24:00	16100	650	15450	NA		0	
	28 May to 28 May	00:00 to 09:00	16100	650	15450	NA		0	
		09:00 to 24:00	15900	650	15250	NA		0	
	29 May to 29 May	00:00 to 24:00	16100	650	15450	NA		0	
	30 May to 30 May	00:00 to 08:00	16100	650	15450	NA		0	
		08:00 to 24:00	15900	650	15250	NA		0	
	31 May to 31 May	00:00 to 24:00	16100	650	15450	NA		200	Due to the deferment of the shutdown of the 765 kV Cuddapah-Thiruvallam lines 1 and 2 scheduled for May 31, 2024

- Based on the actual distribution of corridor flows, Counter flow benefit on account of transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- 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.
- S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala
- 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) NTPC Korba I, II & III, j) NTPC Sipat I & II, k) KSK Mahanadi, l) DB Power, m) REGL (Previously KWPC), n) RKM, o) REL, p) Bharat Aluminium, q) MCCPL, r) SKS, s) TRN, t) NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh
- The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units 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 Grid-India/NLDC "News Update" (Flasher) Section.
- With the change in inter-regional flow pattern, significant power flow observed from NR to ER direction during the solar hours. From last 15 days flow pattern, average NR-ER flow observed to be ~1100 MW during the solar hour(09-15 hrs) at the same period of NR-WR flow. Therefore, NR Export TTC for the time period 09-18 hrs is calculated as below

$$\text{NR Export TTC} = \text{NR-WR TTC (from simulation result)} + \text{average NR to ER flow at the time of peak NR-WR flow (from real time data)}$$

### Simultaneous Import Capability

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment	
ER	01 May to 31 May	00:00 to 24:00	NA	NA		0	0	0		
NER	01 May to 03 May	00:00 to 18:00	1860	60	1800	824	976	0		
		18:00 to 22:00	1190	60	1130	824	306	0		
		22:00 to 24:00	1860	60	1800	824	976	0		
	04 May to 04 May	00:00 to 18:00	1720	60	1660	824	836	0		
		18:00 to 22:00	1050	60	990	824	166	0		
		22:00 to 24:00	1720	60	1660	824	836	0		
	05 May to 16 May	00:00 to 18:00	1770	60	1710	824	886	0		
		18:00 to 22:00	1100	60	1040	824	216	0		
		22:00 to 24:00	1770	60	1710	824	886	0		
	17 May to 17 May	00:00 to 09:00	1770	60	1710	824	886	0		
		09:00 to 18:00	1550	60	1490	824	666	0		
		18:00 to 22:00	900	60	840	824	16	0		
		22:00 to 24:00	1550	60	1490	824	666	0		
	18 May to 31 May	00:00 to 18:00	1770	60	1710	824	886	0		
		18:00 to 22:00	1100	60	1040	824	216	0		
		22:00 to 24:00	1770	60	1710	824	886	0		
	NR	01 May to 15 May	00:00 to 06:00	25900	1400	24500	17344	7156	0	
			06:00 to 18:00	25900	1400	24500	17344	7156	0	
			18:00 to 24:00	25900	1400	24500	17344	7156	0	
		16 May to 16 May	00:00 to 06:00	25900	1400	24500	17344	7156	0	
			06:00 to 18:00	24400	1400	23000	17344	5656	0	
			18:00 to 24:00	24400	1400	23000	17344	5656	0	
		17 May to 18 May	00:00 to 06:00	25900	1400	24500	17344	7156	0	
			06:00 to 18:00	25900	1400	24500	17344	7156	0	
18:00 to 24:00			25900	1400	24500	17344	7156	0		
19 May to 19 May	00:00 to 07:00	25900	1400	24500	17344	7156	0			
	07:00 to 10:00	25600	1400	24200	17344	6856	0			
	10:00 to 24:00	25200	1400	23800	17344	6456	0			

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	20 May to 25 May	00:00 to 06:00	25900	1400	24500	17344	7156	0	
		06:00 to 18:00	25900	1400	24500	17344	7156	0	
		18:00 to 24:00	25900	1400	24500	17344	7156	0	
	26 May to 26 May	00:00 to 06:00	25900	1400	24500	17344	7156	0	
		06:00 to 09:00	25900	1400	24500	17344	7156	0	
		09:00 to 18:00	25500	1400	24100	17344	6756	0	
		18:00 to 24:00	25500	1400	24100	17344	6756	0	
	27 May to 30 May	00:00 to 24:00	25900	1400	24500	17344	7156	0	
	31 May to 31 May	00:00 to 24:00	24950	1400	23550	17344	6206	0	0
	SR	01 May to 02 May	00:00 to 06:00	21850	1000	20850	7601	13249	0
06:00 to 08:00			22150	1000	21150	7601	13549	0	
08:00 to 15:00			21850	1000	20850	7601	13249	0	
15:00 to 17:00			22150	1000	21150	7601	13549	0	
17:00 to 24:00			21850	1000	20850	7601	13249	0	
03 May to 03 May		00:00 to 06:00	21850	1000	20850	7601	13249	0	
		06:00 to 08:00	22150	1000	21150	7601	13549	0	
		08:00 to 10:00	21850	1000	20850	7601	13249	0	
		10:00 to 15:00	21050	1000	20050	7601	12449	0	
		15:00 to 17:00	21350	1000	20350	7601	12749	0	
		17:00 to 24:00	21050	1000	20050	7601	12449	0	
04 May to 04 May		00:00 to 06:00	21850	1000	20850	7601	13249	0	
		06:00 to 08:00	22150	1000	21150	7601	13549	0	
		08:00 to 15:00	21850	1000	20850	7601	13249	0	
		15:00 to 17:00	22150	1000	21150	7601	13549	0	
		17:00 to 24:00	21850	1000	20850	7601	13249	0	
05 May to 05 May		00:00 to 06:00	21850	1000	20850	7601	13249	0	
		06:00 to 08:00	22150	1000	21150	7601	13549	0	
		08:00 to 15:00	21175	1000	20175	7601	12574	0	
		15:00 to 17:00	21475	1000	20475	7601	12874	0	

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	06 May to 11 May	17:00 to 24:00	21175	1000	20175	7601	12574	0	
		00:00 to 06:00	21850	1000	20850	7601	13249	0	
		06:00 to 08:00	22150	1000	21150	7601	13549	0	
		08:00 to 15:00	21850	1000	20850	7601	13249	0	
		15:00 to 17:00	22150	1000	21150	7601	13549	0	
		17:00 to 24:00	21850	1000	20850	7601	13249	0	
	12 May to 12 May	00:00 to 06:00	21850	1000	20850	7601	13249	0	
		06:00 to 08:00	22150	1000	21150	7601	13549	0	
		08:00 to 15:00	21850	1000	20850	7601	13249	0	
		15:00 to 17:00	22150	1000	21150	7601	13549	0	
		17:00 to 24:00	21850	1000	20850	7601	13249	0	
	13 May to 18 May	00:00 to 06:00	21850	1000	20850	7601	13249	0	
		06:00 to 08:00	22150	1000	21150	7601	13549	0	
		08:00 to 15:00	21850	1000	20850	7601	13249	0	
		15:00 to 17:00	22150	1000	21150	7601	13549	0	
		17:00 to 24:00	21850	1000	20850	7601	13249	0	
	19 May to 19 May	00:00 to 06:00	21850	1000	20850	7601	13249	0	
		06:00 to 08:00	22150	1000	21150	7601	13549	0	
		08:00 to 15:00	21175	1000	20175	7601	12574	0	
		15:00 to 17:00	21475	1000	20475	7601	12874	0	
		17:00 to 24:00	21175	1000	20175	7601	12574	0	
	20 May to 25 May	00:00 to 06:00	21850	1000	20850	7601	13249	0	
		06:00 to 08:00	22150	1000	21150	7601	13549	0	
		08:00 to 15:00	21850	1000	20850	7601	13249	0	
		15:00 to 17:00	22150	1000	21150	7601	13549	0	
		17:00 to 24:00	21850	1000	20850	7601	13249	0	
	26 May to 26 May	00:00 to 06:00	22075	1000	21075	7601	13474	0	
		06:00 to 08:00	22075	1000	21075	7601	13474	0	
08:00 to 09:00		22075	1000	21075	7601	13474	0		
09:00 to 15:00		21875	1000	20875	7601	13274	0		



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		15:00 to 17:00	21875	1000	20875	7601	13274	0		
		17:00 to 24:00	21875	1000	20875	7601	13274	0		
	27 May to 27 May	00:00 to 06:00	22075	1000	21075	7601	13474	0		
		06:00 to 08:00	22075	1000	21075	7601	13474	0		
		08:00 to 15:00	22075	1000	21075	7601	13474	0		
		15:00 to 17:00	22075	1000	21075	7601	13474	0		
		17:00 to 24:00	22075	1000	21075	7601	13474	0		
		28 May to 28 May	00:00 to 09:00	22075	1000	21075	7601	13474	0	
		09:00 to 24:00	21875	1000	20875	7601	13274	0		
	29 May to 29 May	00:00 to 24:00	22075	1000	21075	7601	13474	0		
	30 May to 30 May	00:00 to 08:00	22075	1000	21075	7601	13474	0		
		08:00 to 24:00	21875	1000	20875	7601	13274	0		
	31 May to 31 May	00:00 to 24:00	22075	1000	21075	7601	13474	200	Due to the deferment of the shutdown of the 765 kV Cuddapah-Thiruvallam lines 1 and 2 scheduled	
	WR	01 May to 31 May	00:00 to 24:00	NA	NA		0	0	0	

- Based on the actual distribution of corridor flows, Counter flow benefit on account of transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- 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.
- S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala
- 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) NTPC Korba I, II & III, j) NTPC Sipat I & II, k) KSK Mahanadi, l) DB Power, m) REGL (Previously KWPC), n) RKM, o) REL, p) Bharat Aluminium, q) MCCPL, r) SKS, s) TRN, t) NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh
- The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units 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 Grid-India/NLDC "News Update" (Flasher) Section

### Simultaneous Export Capability

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
ER	01 May to 31 May	00:00 to 24:00	NA	NA		NA		0	
NER	01 May to 31 May	00:00 to 17:00	3200	60	3140	NA		0	
		17:00 to 21:00	3200	60	3140	NA		0	
		21:00 to 24:00	3200	60	3140	NA		0	
NR	01 May to 09 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 18:00	7800	500	7300	NA		0	
		18:00 to 24:00	6700	500	6200	NA		0	

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
	10 May to 10 May	00:00 to 07:00	6700	500	6200	NA		0	
		07:00 to 09:00	6250	500	5750	NA		0	
		09:00 to 18:00	7350	500	6850	NA		0	
		18:00 to 24:00	6250	500	5750	NA		0	
	11 May to 14 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 18:00	7800	500	7300	NA		0	
		18:00 to 24:00	6700	500	6200	NA		0	
	15 May to 15 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 17:00	7800	500	7300	NA		0	
		17:00 to 18:00	6700	500	6200	NA		0	
		18:00 to 24:00	5600	500	5100	NA		0	
	16 May to 16 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 15:00	7800	500	7300	NA		0	
		15:00 to 17:00	7800	500	7300	NA		0	
		17:00 to 18:00	6700	500	6200	NA		0	
		18:00 to 24:00	5600	500	5100	NA		0	
	17 May to 20 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 18:00	7800	500	7300	NA		0	
		18:00 to 24:00	6700	500	6200	NA		0	
	21 May to 21 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 15:00	7800	500	7300	NA		0	
		15:00 to 18:00	4850	500	4350	NA		0	
		18:00 to 24:00	3750	500	3250	NA		0	
	22 May to 26 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 18:00	7800	500	7300	NA		0	
		18:00 to 24:00	6700	500	6200	NA		0	
	27 May to 27 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 18:00	7350	500	6850	NA		0	
		18:00 to 24:00	6250	500	5750	NA		0	
	28 May to 28 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 18:00	7800	500	7300	NA		0	
		18:00 to 24:00	6700	500	6200	NA		0	
	29 May to 29 May	00:00 to 09:00	6700	500	6200	NA		0	
		09:00 to 15:00	7800	500	7300	NA		0	
		15:00 to 18:00	4850	500	4350	NA		0	
		18:00 to 24:00	3750	500	3250	NA		0	
30 May to 30 May	00:00 to 09:00	6700	500	6200	NA		0		
	09:00 to 17:00	7800	500	7300	NA		0		
	17:00 to 18:00	7550	500	7050	NA		0		
	18:00 to 24:00	6450	500	5950	NA		0		
31 May to 31 May	00:00 to 09:00	6700	500	6200	NA		0		
	09:00 to 17:00	7800	500	7300	NA		0		
	17:00 to 18:00	7550	500	7050	NA		0		
	18:00 to 24:00	6450	500	5950	NA		0		
SR	01 May to 31 May	00:00 to 06:00	5150	650	4500	NA		0	
		06:00 to 18:00	6600	650	5950	NA		0	
		18:00 to 24:00	5150	650	4500	NA		0	
WR	01 May to 31 May	00:00 to 24:00	NA	NA		NA		0	

- Based on the actual distribution of corridor flows, Counter flow benefit on account of transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- 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.
- S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala

- 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) NTPC Korba I, II & III, j) NTPC Sipat I & II, k) KSK Mahanadi, l) DB Power, m) REGL (Previously KWPC), n) RKM, o) REL, p) Bharat Aluminium, q) MCCPL, r) SKS, s) TRN, t) NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh
- The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units 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.
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## Limiting Constraints

Corridor	Constraints	Revisions
WR-NR	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-28
NR-ER	1. Overloading of one circuit of 400 kV New Ranchi – New PPSP D/C on the tripping of the other circuit 2. Overloading of one circuit of 400 kV Kahalgaon – Farakka D/C on the tripping of the other circuit 3. Overloading of 400 kV Farakka – Sagardighi – 1 on the tripping of 400 kV Farakka – Sagardighi - 2	0-28
WR-ER	1. Overloading of one circuit of 400 kV New Ranchi – New PPSP D/C on the tripping of the other circuit 2. Overloading of one circuit of 400 kV Kahalgaon – Farakka D/C on the tripping of the other circuit 3. Overloading of 400 kV Farakka – Sagardighi – 1 on the tripping of 400 kV Farakka – Sagardighi - 2	0-28
ER-NR	Inter-regional flow pattern towards NR	0-28
WR-SR	Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Maheswaram overloads the other ICT	0-28
ER-SR	1. Low Voltage at Gazuwaka (East) Bus.	0-28
SR-WR	a) Angular separation between Kudgi & Kolhapur (PG) under N-1 of 400 kV Kudgi - Kolhapur (PG) D/C touches 30 deg b) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– A at Raigarh - PS(Kotra) with increase in HVDC Raigarh – Pugalur Bipole – II power order beyond 950 MW in SR to WR Direction (Solar Hours) c) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh -PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – I power order beyond 450 MW in SR to WR Direction (Solar Hours) d) N-1 Contingency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar and vice-versa	0-28
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Balipara-Sonabil D/C	0-28
NER-ER	a) N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II b) High Loading of 400 kV Bongaigaon- New Siliguri DC	0-28
NR_IMPORT	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-28
NR_EXPORT	Outage of any one of the two circuits from 400 kV Kankroli to 400 kV Zerda shall overload the other circuit.	0-28
NER_IMPORT	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Balipara-Sonabil D/C	0-28
NER_EXPORT	a) N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II b) High Loading of 400 kV Bongaigaon- New Siliguri DC	0-28
SR_IMPORT	1. Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Maheswaram overloads the other ICT 2. Low Voltage at Gazuwaka (East) Bus	0-28
SR_EXPORT	a) Angular separation between Kudgi & Kolhapur (PG) under N-1 of 400 kV Kudgi - Kolhapur (PG) D/C touches 30 deg b) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– A at Raigarh - PS(Kotra) with increase in HVDC Raigarh – Pugalur Bipole – II power order beyond 950 MW in SR to WR Direction (Solar Hours) c) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh -PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – I power order beyond 450 MW in SR to WR Direction (Solar Hours) d) N-1 Contingency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar and vice-versa	0-28

## Revision Summary

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
1	28 Dec	01 May to 31 May	Change in T-GNA Margin due to grant of additional 174 MW GNA to Uttar Pradesh from outside Northern Region	NR_IMPORT
		01 May to 31 May	Change in T-GNA Margin due to grant of additional 55 MW GNA to Mizoram from outside North Eastern Region	NER_IMPORT
2	26 Jan	01 May to 31 May	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR	WR-NR
		01 May to 31 May	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR	ER-NR
		01 May to 31 May	TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB	WR-SR
		01 May to 31 May	TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB	ER-SR

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		01 May to 31 May	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR	NR_IMPORT
		01 May to 31 May	TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB	SR_IMPORT
3	28 Feb	01 May to 31 May	Revised T-GNA margin due to approval of 500 MW GNA for Andhra Pradesh from Outside Southern Region	SR_IMPORT
4	28 Mar	01 May to 31 May	Enhancement in TTC due to Bypassing of 400 kV Kankroli - Bhinmal and 400 kV Bhinmal - Zerda at Bhinmal - PG (Temporary Arrangement) & revival of 400 KV Jodhpur-Kankroli-S/C after reconductoring	NR-WR
		01 May to 31 May	TTC/ATC revised due to operation of any one of two bipole of HVDC Raigarh Pugalur to its overload capacity (1.1 PU) in forward direction (West to South) for 2 hrs.	WR-SR
		01 May to 31 May	TTC/ATC curtailed due to restriction on power order of HVDC Talcher Kolar by 500 MW till 31st May 2024	ER-SR
		01 May to 31 May	TTC/ATC revised due to operation of any one of two bipole of HVDC Raigarh Pugalur to its overload capacity (1.1 PU) in forward direction (West to South) for 2 hrs & restriction on power order of HVDC Talcher Kolar by 500 MW till 31st May 2024	SR_IMPORT
		01 May to 31 May	Enhancement in TTC due to Bypassing of 400 kV Kankroli - Bhinmal and 400 kV Bhinmal - Zerda at Bhinmal - PG (Temporary Arrangement) & revival of 400 KV Jodhpur-Kankroli-S/C after reconductoring	NR_EXPORT
5	28 Apr	01 May to 31 May	Enhancement in TTC/ATC due to the commissioning of 400 KV Chittorgarh-Neemuch-PS-D/C	NR-WR
		01 May to 31 May	1. Revised T-GNA margin due to approval of 6.54 MW GNA for Arunachal Pradesh from Outside North-Eastern Region. 2. Revised T-GNA margin due to approval of 371 MW GNA for Assam from Outside North-Eastern Region	NER_IMPORT
		01 May to 31 May	Revised T-GNA margin due to approval of 25 MW GNA for Goa from Outside Western Region	WR_IMPORT
		01 May to 31 May	Revised T-GNA margin due to approval of 500 MW GNA for Karnataka from Outside Southern Region	SR_IMPORT
		01 May to 31 May	Enhancement in TTC/ATC due to the commissioning of 400 KV Chittorgarh-Neemuch-PS-D/C	NR_EXPORT
		01 May to 31 May	Revised T-GNA margin due to approval of 24 MW GNA for West Bengal from Outside Eastern Region	ER_IMPORT
6	29 Apr	01 May to 03 May	TTC/ATC revised due to change in LGB and shutdown of OTPC Palatana Module 2	ER-NER
		01 May to 31 May	TTC/ATC revised due to change in LGB	NER-ER
		01 May to 03 May	TTC/ATC revised due to change in LGB and shutdown of OTPC Palatana Module 2	NER_IMPORT
		01 May to 31 May	TTC/ATC revised due to change in LGB	NER_EXPORT
7	01 May	03 May to 03 May	TTC/ATC curtailed due to shutdown of 765KV-ANGUL-SRIKAKULAM-1	ER-SR
		03 May to 03 May	TTC/ATC curtailed due to shutdown of 765KV-ANGUL-SRIKAKULAM-1	SR_IMPORT
8	04 May	05 May to 05 May	TTC/ATC revised due to shutdown of HVDC 500KV KOLAR POLE 1	ER-SR
		05 May to 31 May	Due to revival of OTPC Palatana Module 2	ER-NER
		05 May to 31 May	Due to revival of OTPC Palatana Module 2	NER_IMPORT
		05 May to 05 May	TTC/ATC revised due to shutdown of HVDC 500KV KOLAR POLE 1	SR_IMPORT
9	08 May	10 May to 10 May	TTC/ATC curtailed due to the shutdown of 400KV-RAPP - SHUJALPUR-1	NR-WR
		10 May to 10 May	TTC/ATC curtailed due to the shutdown of 400KV-RAPP - SHUJALPUR-1	NR_EXPORT
10	10 May	12 May to 12 May	TTC/ATC curtailed due to the shutdown of 500KV HVDC TALCHER-KOLAR POLE-I	ER-SR
		12 May to 12 May	TTC/ATC curtailed due to the shutdown of 500KV HVDC TALCHER-KOLAR POLE-I	SR_IMPORT
11	11 May	12 May to 12 May	TTC/ATC revised due to the deferment of shutdown of 500KV HVDC TALCHER-KOLAR POLE-I	ER-SR

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		12 May to 12 May	TTC/ATC revised due to the deferment of shutdown of 500KV HVDC TALCHER-KOLAR POLE-I	SR_IMPORT
12	13 May	15 May to 15 May	Due to the shutdown of 765 kV Ajmer - Bhadla - II D/C	NR-WR
		15 May to 15 May	Due to the shutdown of 765 kV Ajmer - Bhadla - II D/C	NR_EXPORT
13	14 May	16 May to 16 May	Due to the shutdown of 765 kV Banaskantha - Chittrogarh - 2	NR-WR
		16 May to 16 May	Due to the shutdown of 765 kV Ajmer - Bhadla - II D/C & 765 kV Banaskantha - Chittrogarh - 2	NR-WR
		16 May to 16 May	Due to the shutdown of HVDC Champa - Kurukshetra Pole - 2 & 4 (One Pole at a time)	WR-NR
		16 May to 16 May	Due to the shutdown of HVDC Champa - Kurukshetra Pole - 2 & 4 (One Pole at a time)	ER-NR
		16 May to 16 May	Due to the shutdown of HVDC Champa - Kurukshetra Pole - 2 & 4 (One Pole at a time)	NR_IMPORT
		16 May to 16 May	Due to the shutdown of 765 kV Banaskantha - Chittrogarh - 2	NR_EXPORT
		16 May to 16 May	Due to the shutdown of 765 kV Ajmer - Bhadla - II D/C & 765 kV Banaskantha - Chittrogarh - 2	NR_EXPORT
14	15 May	16 May to 16 May	Due to deferment of shutdown of 765 kV Banaskantha - Chittrogarh - 2	NR-WR
		16 May to 16 May	Due to deferment of shutdown of 765 kV Banaskantha - Chittrogarh - 2	NR_EXPORT
15	15 May	17 May to 17 May	TTC/ATC curtailed due to shutdown of 400 kV Bongaigaon - Byrnihat T/L	ER-NER
		17 May to 17 May	TTC/ATC curtailed due to shutdown of 400 kV Bongaigaon - Byrnihat T/L	NER_IMPORT
16	17 May	19 May to 19 May	TTC/ATC curtailed due to shutdown of 765KV-GWALIOR-JAIPUR-2	WR-NR
		19 May to 19 May	TTC/ATC curtailed due to shutdown of 765/400 KV 1000 MVA ICT 1 AT ORAI(PG)	WR-NR
		19 May to 19 May	TTC/ATC curtailed due to shutdown of 765KV-GWALIOR-JAIPUR-2	ER-NR
		19 May to 19 May	TTC/ATC curtailed due to shutdown of 765/400 KV 1000 MVA ICT 1 AT ORAI(PG)	ER-NR
		19 May to 19 May	TTC/ATC curtailed due to shutdown of HVDC 500KV KOLAR_DC POLE 1	ER-SR
		19 May to 19 May	TTC/ATC curtailed due to shutdown of 765KV-GWALIOR-JAIPUR-2	NR_IMPORT
		19 May to 19 May	TTC/ATC curtailed due to shutdown of 765/400 KV 1000 MVA ICT 1 AT ORAI(PG)	NR_IMPORT
		19 May to 19 May	TTC/ATC curtailed due to shutdown of HVDC 500KV KOLAR_DC POLE 1	SR_IMPORT
17	20 May	21 May to 21 May	TTC/ATC curtailed due to shutdown of 765KV-BANASKANTHA-CHITTORGARH-2	NR-WR
		21 May to 21 May	TTC/ATC curtailed due to shutdown of 765KV-BANASKANTHA-CHITTORGARH-2	NR_EXPORT
18	24 May	26 May to 26 May	TTC/ATC curtailed due to the shutdown of 765/400 KV 1000 MVA ICT 2 AT ORAI(PG)	WR-NR
		26 May to 26 May	TTC/ATC curtailed due to the shutdown of 765/400 KV 1000 MVA ICT 2 AT ORAI(PG)	ER-NR
		26 May to 26 May	TTC/ATC revised based on operation of HVDC Raigarh-Pugalur to its rated capacity(1 PU)	WR-SR
		26 May to 26 May	TTC/ATC curtailed due to shutdown of 765KV-CUDDAPAH-THIRUVALAM-1 & 2	WR-SR
		27 May to 31 May	TTC/ATC revised based on operation of HVDC Raigarh-Pugalur to its rated capacity(1 PU)	WR-SR
		26 May to 31 May	TTC/ATC revised based on operation of HVDC Talcher-Kolar to 1750 MW	ER-SR
		26 May to 26 May	TTC/ATC curtailed due to the shutdown of 765/400 KV 1000 MVA ICT 2 AT ORAI(PG)	NR_IMPORT

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		26 May to 26 May	TTC/ATC revised based on operation of HVDC Raigarh-Pugalur to its rated capacity(1 PU) and operation of HVDC Talcher-Kolar to 1750 MW	SR_IMPORT
		26 May to 26 May	TTC/ATC curtailed due to shutdown of 765KV-CUDDAPAH-THIRUVALAM-1 & 2	SR_IMPORT
19	25 May	27 May to 27 May	TTC-ATC curtailed due to shutdown of 400KV-SHUJALPUR-RAPP-1	NR-WR
		27 May to 27 May	TTC-ATC curtailed due to shutdown of 400KV-SHUJALPUR-RAPP-1	NR_EXPORT
20	26 May	28 May to 28 May	TTC-ATC curtailed due to shutdown of 765KV-CUDDAPAH-THIRUVALAM-1 & 2	WR-SR
		28 May to 28 May	TTC-ATC curtailed due to shutdown of 765KV-CUDDAPAH-THIRUVALAM-1 & 2	SR_IMPORT
21	27 May	29 May to 29 May	TTC-ATC curtailed due to shutdown of 765KV-BANASKANTHA-CHITTORGARH-2	NR-WR
		29 May to 29 May	TTC-ATC curtailed due to shutdown of 765KV-BANASKANTHA-CHITTORGARH-2	NR_EXPORT
22	28 May	29 May to 31 May	TTC/ATC revised due to deferment of shutdown of 765kV Cuddapah - Thirvallam D/C	WR-SR
		29 May to 31 May	TTC/ATC revised due to deferment of shutdown of 765kV Cuddapah - Thirvallam D/C	SR_IMPORT
23	28 May	30 May to 30 May	TTC/ATC curtailed due to the shutdown of 400 KV CHITTORGARH(PG)-NEEMUCH(MP) (PNTSL) CKT-1	NR-WR
		30 May to 30 May	TTC/ATC curtailed due to the shutdown of 400 KV CHITTORGARH(PG)-NEEMUCH(MP) (PNTSL) CKT-1	NR_EXPORT
24	29 May	30 May to 30 May	TTC/ATC curtailed due to the shutdown of 400 KV CHITTORGARH(PG)-NEEMUCH(MP) (PNTSL) CKT-1	NR-WR
		30 May to 30 May	TTC/ATC curtailed due to the shutdown of 765KV-CUDDAPAH-THIRUVALAM-1 & 2	WR-SR
		30 May to 30 May	TTC/ATC curtailed due to the shutdown of 765KV-CUDDAPAH-THIRUVALAM-1 & 2	SR_IMPORT
		30 May to 30 May	TTC/ATC curtailed due to the shutdown of 400 KV CHITTORGARH(PG)-NEEMUCH(MP) (PNTSL) CKT-1	NR_EXPORT
25	29 May	31 May to 31 May	TTC/ATC curtailed due to the shutdown of 400 KV CHITTORGARH(PG)-NEEMUCH(MP) (PNTSL) CKT-2	NR-WR
		31 May to 31 May	TTC/ATC curtailed due to the shutdown of 400 KV CHITTORGARH(PG)-NEEMUCH(MP) (PNTSL) CKT-2	NR_EXPORT
26	29 May	31 May to 31 May	In view of the changing LGB, the NR import TTC calculation has been reviewed	WR-NR
		31 May to 31 May	In view of the changing LGB, the NR import TTC calculation has been reviewed	NR_IMPORT
27	29 May	31 May to 31 May	In view of the changing LGB, the NR import TTC calculation has been reviewed	WR-NR
		31 May to 31 May	In view of the changing LGB, the NR import TTC calculation has been reviewed	NR_IMPORT
28	30 May	31 May to 31 May	0	WR-NR
		31 May to 31 May	Due to the deferment of the shutdown of the 765 kV Cuddapah-Thiruvallam lines 1 and 2 scheduled for May 31, 2024	WR-SR
		31 May to 31 May	0	NR_IMPORT
		31 May to 31 May	Due to the deferment of the shutdown of the 765 kV Cuddapah-Thiruvallam lines 1 and 2 scheduled	SR_IMPORT

## ASSUMPTIONS IN BASECASE

Month : May'24

S.No.	Name of State/Area	Demand		Generation	
		Non-Solar Peak(MW)	Solar Peak (MW)	Non-Solar Peak(MW)	Solar Peak (MW)
I	NORTHERN REGION				
1	Punjab	7031	7510	4881	4940
2	Haryana	7418	7386	3037	3499

3	Rajasthan	13248	16311	8225	10042
4	Delhi	4405	5136	564	545
5	Uttar Pradesh	22062	18685	10734	11973
6	Uttarakhand	2375	2108	694	463
7	Himachal Pradesh	1985	1936	474	302
8	Jammu & Kashmir	3311	2984	264	206
9	Chandigarh	266	258	0	0
10	ISGS/IPPs	105	105	18638	22308
	Total NR	62206	62419	47511	54278
II	EASTERN REGION				
1	Bihar	5063	4065	464	458
2	Jharkhand	1407	1559	410	365
3	Damodar Valley Corporation	3416	3284	5273	5244
4	Orissa	5269	4919	3608	3496
5	West Bengal	7175	6925	6049	5781
6	Sikkim	116	109	0	0
7	Bhutan	32	50	107	228
8	ISGS/IPPs	928	917	18890	15263
	Total ER	23406	21828	34802	30835
III	WESTERN REGION				
1	Maharashtra	24878	25141	15943	16380
2	Gujarat	18292	17984	6324	6349
3	Madhya Pradesh	15567	16371	6053	6073
4	Chattisgarh	4447	4465	1823	1592
5	DD & DNH	984	867	0	0
6	Goa-WR	660	554	0	0
7	ISGS/IPPs	2463	1937	53004	49159
	Total WR	67290	67320	83147	79553
IV	SOUTHERN REGION				
1	Andhra Pradesh	8005	10681	6952	8203
2	Telangana	10834	14680	5212	6980
3	Karnataka	12118	15214	6579	9390
4	Tamil Nadu	16381	16743	6524	9609
5	Kerala	4221	3432	1510	340
6	Pondy	493	494	0	0
7	Goa-SR	109	109	0	0
8	ISGS/IPPs	0	0	19847	21748
	Total SR	52162	61353	46623	56270
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	166	101	0	0
2	Assam	1441	1146	275	428
3	Manipur	262	139	0	0
4	Meghalaya	471	350	144	12
5	Mizoram	171	141	33	8
6	Nagaland	158	120	15	7
7	Tripura	369	318	190	187
8	ISGS/IPPs	0	0	3308	2557
	Total NER	3038	2314	3964	3200
	Total All India	208065	215177	215925	223878