Issue Date: 2	24/06/2014
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Issue Time: 1250 hrs

### Revision No. 27

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 June 2014 to 30th June 2014	00-24	2500	500	2000	297	1703		
	1st June 2014 to 07th June 2014	00-17 23-24	4700	500	4200	4380	0		
		17-23 00-17	4700 3950		4200 3450		0		
WR-NR	08th June 2014	23-24 17-23	3950	500	3450	4380	0	-	
	09th June 2014	00-17 23-24	3950	500	3450	4380	0	-	
	10th June 2014 to	17-23 00-17 23-24	3950 4700	500	3450 4200	4380	0		
	30th June 2014	17-23	4700	500	4200	+300	0		
		00-06	1011		800	293	507		
		06-17'	1000		800	423	377	ł	
NR-ER*	1st June 2014 to 30th June 2014	17-18'	1100	200	900	423	477	İ	
	Sour Pane 2011	18-23	1100		900	293	607	1	
		23-24	1000		800	293	507		
	1st June 2014 to 6th June 2014	00-17 23-24 17-23	4000	300	3700	2431	1269 1269		
	7th June 2014	00-07' 07-24'	4000 2300	300	3700 2000	2431	1269 0		
	8th June 2014 to 11th June 2014	00-24'	2300	300	2000	2431	0		
	12th June 2014	00-07' 07-24'	2300 2300	300	2000 2000	2431	0		
	13th June 2014	00-07'	2300	300	2000	2431	0		
		07-24' 00-07'	2300 4000		2000 3700		0		
	14th June 2014	07-24'	2300	300	2000	2431	0		
ER-NR <sup>\$</sup>	15th June 2014 to 16th June 2014	00-17 23-24	4000	300	3700	2431	1269		
EK-NK	17th June 2014	17-23 00-07'	4000	300	3700	2431	1269 1269		
	18th June 2014	07'-24 00-17 23-24	2300 4000	300	2000 3700	2431	0 1269		
		17-23 00-07'	4000		3700		1269 1269	·	
	19th June 2014	07'-24	2300	300	2000	2431	0		
	20th June 2014 to 21st June 2014	00-17 23-24 17-23	4000	300	3700	2431	1269 1269		
	22nd June 2014	00-08 08-17'	4000 3600	300	3700 3300	2431	1269 869		
	23th June 2014 to	17-24 00-17 23-24	3600 4000	300	3300 3700	2431	869 1269		
	30th June 2014	17-23		250	2700	2.51	1269	1	

Issue Date: 24/06/2014
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Issue Time: 1250 hrs

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
	1st June 2014 to 09th June 2014	00-24	1800	300	1500	551	949		
W3-ER <sup>\$</sup>	10th June 2014 to 11th June 2014	00-24	1500	300	1200	551	649		
	12th June 2014 to 30th June 2014	00-24	1500	300	1200	551	649		
ER-W3	1st June 2014 to 30th June 2014	00-24	1000	300	700	874	0		
	1st June 2014 to	00-24	1000	0	1000	1000	0		
	20th June 2014 21st June 2014 to	00-24	1000	0	1000	850	150		
WR-SR	23rd June 2014 24th June 2014 to	00-24	1000	0	1000	850	150		
	27th June 2014 28th June 2014 to	00-24	1000	0	1000	1000	0		
SR-WR *	30th June 2014 1st June 2014 to	00-24	1000	0	1000	0	1000		
SR-WR*	30th June 2014	00-24	1000	0	1000	0	1000		
	1st June 2014 to	00-06	0.000	C	0.000	2158	492		
	2nd June 2014	18-24 06-18'	2650	0	2650	2203	447		
		00-13	2650		2650	2158	492		
	3rd June 2014	07-18'	2350	0	2350	2203	147		
		18-24'	2350		2350	2158	192	•	
	4th June 2014 to	00-06				2158	492		
	6th June 2014	18-24	2650	0	2650				
	ourbane 2011	06-18'				2203	447		
	74 1 2014	00-05	2650	0	2650	2158	492		
	7th June 2014	05-06'	2350	0	2350	2158	192	+	
		06-24'	2350		2350	2203	147		
	8th June 2014 to 9th June 2014	00-06 18-24	2650	0	2650	2158	492		
		06-18'				2203	447		
	10th June 2014 to 15th June 2014	00-06 18-24	2650	0	2650	1717	933		
		06-18'				1762	888		
		00-06 06-07'	2650		2650	1717 1762	933 888	ł	
ER-SR	16th June 2014	07'-18		0		1762	588		
		18'-24'	2350		2350	1702	633		
	17th June 2014	00-06 18-24	2650	0	2650	1717	933		
		06-18'				1762	888		
		00-06	2650		2650	1717	933		
	18th June 2014	06-07'	2050	0	2050	1762	888		
	1011 June 2014	07'-18	2500	0	2500	1762	738		
		18'-24'	2000		2000	1717	783		
	19th June 2014 to 20th June 2014	00-06 18-24	2650	0	2650	1717	933		
	2001 Julie 2014	06-18'			2650	1762	888		
	21st June 2014	00-06 18-24	2500	0	2500	1467	1033		
		06-18'				1512	988		
	22nd June 2014	00-06 18-24	2500	0	2500	1467	1033		
		06-18'				1512	988		
	23rd June 2014	00-06 18-24	2500	0	2500	1467	1033		
		06-18'				1512	988		

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Issue Time: 1250 hrs

Revision No. 27

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
	24th June 2014	00-06 18-24	2500	0	2500	1467	1033		
		06-18'				1512	988		
ER-SR	25th June 2014 to 27th June 2014	00-06 18-24	2500	0	2500	1467	1033	-150	Revised due to non availability of HVDC Gazuwaka Block 1
		06-18'				1512	988		
	28th June 2014 to 30th June 2014	00-06 18-24 06-18'	2650	0	2650	1717 1762	933 888		
SR-ER *	1st June 2014 to	00-17 23-24	1100	0	1100	197	903		
SK-EK	30th June 2014	17-23	1100	0	1100	197	903		
						1			
		00-06	645		595	205	390		
ER-NER	1st June 2014 to	06-17' 17-18	645 580	50	595 530	210 210	385 320		
EK-NEK	30th June 2014	17-18	580	50	530	210	320		
		23-24	645		595	205	323		
NER-ER	1st June 2014 to	00-17 23-24	500	100	400	0	400		
	30th June 2014	17-23	450		350		350		
	1st June 2014 to 9th June 2014	00-24	2640	295	2345	2139	206		
	10th June 2014 to 13th June 2014	00-24	2640	295	2345	1905	440		
	14th June 2014 to 15th June 2014	00-24	2640	295	2345	2106	239		
	16th June 2014	00-24	2920	295	2625	2215	410		
	17th June 2014	00-24	2640	295	2345	2106	239		
S1-S2	18th June 2014	00-17	2640	295	2345	2106	239		
		17-24	2920	295	2625	2215	410		
	19th June 2014	00-19 19-24	2920 2920	295 295	2625 2625	2215 2215	410 410		•
	20th June 2014 to 22nd June 2014	00-24	2640	295	2345	2106	239		
		00-11	2640	205	2345	2106	239		
	23rd June 2014	11-24'	2920	295	2625	2215	410		
	24th June 2014 to 30th June 2014	00-24	2920	295	2625	2215	410		
Import of Punjab	1st June 2014 to 30th June 2014	00-24	5700	300	5400	3790	1610		
Import TTC for DD & DNH	1st June 2014 to 30th June 2014	00-24	980	0	980	LTA and MTO scheo			
	1st June 2014 to	00-17	9400		9200		2150		
	15th June 2014	23-24		200		7050		+	
		17-23 00-17	9900 8900		9700 8700	20-20	2650 1650		
	16th June 2014	23-24 17-23	9400	200	9200	7050	2150		
W3 zone		00-07'	9400		9200		2150		
Injection	17th June 2014	07'-17	8900	200	8700	7050	1650		
		17-23	9400		9200		2150		
		23-24	8900		8700		1650	1	
	18th June 2014 to 30th June 2014	00-17 23-24	9400	200	9200	7050	2150		
+ F10 F		17-23	9900		9700	4	2650		advanced transactions (Bilateral &

\* 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).

\$ As per Simulations, predominant direction of flow is on West to North Corridor. Hence, in case injection point is in Western Region (W1,W2,W3), STOA/PX transactions from West to North on West-East-North corridor shall not be allowed as such transaction increases congestion in the West to North Corridor.

<b></b>		1				r			
Corridor	Date	Time Period	Total Transfer Capability	Reliability Margin	Available Transfer	Long Term Access (LTA)/ Medium Term	Margin Available for Short Term	Changes in TTC w.r.t.	Comments
		(hrs)	(TTC)	wiargin	Capability (ATC)	Open Access (MTOA) #	Open Access (STOA)	Last Revision	

Revision No. 27

1) ER-SR TTC declared at Talcher Interconnector and Gazuwaka HVDC B/B seam

2) S1 comprises of AP and Karnataka: S2 comprises of Tamil Nadu, Kerala and Pondicherry

3) 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

Issue Time: 1250 hrs

# 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.

#### **Limiting Constraints**

Issue Date: 24/06/2014

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
WR-NR	High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) and Loop flows on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda (power flowing from WR to NR on 765kV Gwalior-Agra D/C and from NR to WR on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda).
NR-ER	(n-1) contingency of 400 kV Allahabad-Pusauli
ER-NR	(n-1) contingency of 400kV Farakka –Malda D/C
W3-ER	(n-1) contingency of 400kV Sterlite-Rourkela S/C
ER-W3	(n-1) contingency of 400kV Raigarh-Jharsuguda-Rourkela
WR-SR & ER-SR	<ol> <li>Commissioning of 765kV Raichur-Sholapur S/C</li> <li>Based on the operational experience after the synchronization of SR grid with NEW grid and due to inadvertent variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations(LFO)</li> <li>ER-SR TTC has been declared assuming more than 1100 MW generation at Talcher Stage-2. In case Talcher Stage-2 generation goes below 1100 MW, then the ER-SR TTC would be revised downward as constraints within ER would emerge.</li> </ol>
SR-WR	Bhadrawati HVDC B/B link capacity
SR-ER	(n-1) and (n-1-1) contingencies of 400kV Talcher-Rourkela D/C
ER-NER	(n-1) contingency of 400 kV Balipara – Bongaigaon D/C leading to thermal loading of 220kV BTPS-Agia S/C
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
S1-S2	(n-1) contingency of 400 kV Kolar-Hosur D/C
Import of Punjab	(n-1) contingency of ICT at Dhuri and (n-1) contingnecy of 220kV Moga(PG)-Moga(PSTCL)
W3 zone Injection	(n-1-1) contingency of 400 kV Raipur-Bhadrawati D/C section and High loading of 400kV Raipur-Wardha (800 MW SPS setting on each circuit of 400kV Raipur-Wardha)
	*Primary constraints

Primary constraints

#### 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
ER									
	1st June 2014 to 6th June 2014	00-17 23-24	8700 8700	800	7900 7900	6811	1089		
	7th June 2014	17-23 00-07	8700	800	7900	6811	1089		
		07-24'	7000		6200		0		
	8th June 2014	00-24'	6250	800	5450	6811	0		
	9th June 2014	00-24'	6250	800	5450	6811	0		
	10th June 2014 to 11th June 2014	00-24'	7000	800	6200	6811	0		
	12th June 2014	00-07'	7000	800	6200	6811	0		
	13th June 2014	07-24'	7000 7000	800	6200 6200	6811	0		
		07-24'	7000		6200		0		
NR	14th June 2014	00-07'	8700 7000	800	7900 6200	6811	1089		
	15th June 2014 to 16th June 2014	00-17 23-24	8700	800	7900	6811	1089		
	17th June 2014	17-23 00-07'	8700 8700	800	7900 7900	6811	1089 1089		
	18th June 2014	07-24' 00-17 23-24	7000 8700	800	6200 7900	6811	0 1089		
	19th June 2014	17-23 00-07'	8700 8700	800	7900 7900	6811	1089 1089		
	20th June 2014 to 21st June 2014	07-24' 00-17 23-24	7000 8700	800	6200 7900	6811	0 1089		
	22nd June 2014	17-23 00-08 08-17'	8700 8700 8300	300	7900 8400 8000	6811	1089 1589 1189		
	23rd June 2014 to 30th June 2014	17-24 00-17 23-24	8300 8700	800	8000 7900	6811	1189 1089		
NER	1st June 2014 to	17-23 00-06 06-17'	8700 645 645	50	7900 595 595 530	205 210 210	1089 390 385 320		
INEK	30th June 2014	17-18 18-23 23-24	580 580 645	50	530 530 595	210 205 205	320 325 390		
WR									

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
	1st June 2014 to	00-06 18-24	3650	0	3650	3158	492		
	2nd June 2014	06-18'	3650		3650	3203	447		
		00-07	3650		3650	3158	492		
	3rd June 2014	07-18'	3350	0	3350	3203	147		
		18-24'	3350	0	3350	3158	192		
	4th June 2014 to 6th June 2014	00-06 18-24	3650	0	3650	3158	492		
	oth June 2014	06-18'				3203	447		
		00-05	3650		3650	3158	492		
	7th June 2014	05-06'	3350	0	3350	3158	192		
		06-24'	3350	-	3350	3203	147		
	8th June 2014 to 9th June 2014	00-06 18-24	3650	0	3650	3158	492		
	Jui June 2014	06-18'				3203	447		
	10th June 2014 to 15th June 2014	00-06 18-24	3650	0	3650	2717	933		
	15415416 2014	06-18'				2762	888		
		00-06	3650		3650	2717	933		
	16th June 2014	06-07'		0		2762	888		
		07'-18 18'-24'	3350		3350	2762 2717	588 633		
	17th June 2014	00-06 18-24	3650	0	3650	2717	933		
SR		06-18'				2762	888		
		00-06	3650		3650	2717	933		
	18th June 2014	06-07'		0		2762	888		
	18th June 2014	07'-18 18'-24'	3500	0	3500	2762 2717	738 783		
	19th June 2014 to	00-06 18-24	3650	0	3650	2717	933		
	20th June 2014	06-18'	5050	5	5550	2762	888		
	21st June 2014	00-06 18-24	3500	0	3500	2317	1183		
		06-18'		-		2362	1138		
	22nd June 2014	00-06 18-24	3500	0	3500	2317	1183		
		06-18'				2362	1138		
		00-06					1183		
	23rd June 2014	18-24	3500	0	3500	2317			
		06-18'				2362	1138		
	24th June 2014	00-06 18-24	3500	0	3500	2317	1183		
		06-18'	2200		2200	2762	738		
	25th June 2014 to 27th June 2014	00-06 18-24	3500	0	3500	2317	1183	-150	Revised due to non availability of HVDC
	2701 June 2014	06-18'				2362	1138		Gazuwaka Block 1
	28th June 2014 to 30th June 2014	00-06 18-24	3650	0	3650	2717	933		
	30th June 2014	06-18'				2762	888		

## 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
		00-06	3500		2800	590	2210		
	<b>NR*</b> 1st June 2014 to 30th June 2014	06-17'	3500	700	2800	720	2080		
NR*		17-18	3600		2900	720	2180		
		18-23	3600		2900	590	2310		
		23-24	3500		2800	590	2210		
NER	1st June 2014 to 30th June 2014	00-17 23-24	500	100	400	0	400		
	30til Julie 2014	17-23	450		350		350		
WR									
WK									
SR*	1st June 2014 to 30th June 2014	00-17 23-24	2100	0	2100	197	1903		
	50th Julie 2014	17-23	2100		2100		1903		

\* 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**

NR	Import	(n-1) contingency of one circuit of 400kV Farakka –Malda D/C High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) and high loop flows on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda (power flowing from WR to NR on 765kV Gwalior-Agra D/C and from NR to WR on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda).
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Allahabad-Pusauli
NER	Import	(n-1) contingency of 400 kV Balipara – Bongaigaon D/C leading to thermal loading of 220kV BTPS-Agia S/C
	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
SR	Import	<ol> <li>Commissioning of 765kV Raichur-Sholapur S/C</li> <li>Based on the operational experience after the synchronization of SR grid with NEW grid and due to inadvertent variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations(LFO).</li> <li>ER-SR TTC has been declared assuming more than 1100 MW generation at Talcher Stage-2. In case Talcher Stage-2 generation goes below 1100 MW, then the ER-SR TTC would be revised downward as constraints within ER would emerge.</li> </ol>
	Export	(n-1) and (n-1-1) contingencies of 400kV Talcher-Rourkela D/C

\*Primary constraints

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected	
		Whole Month	Margin revised due to withdrawal/cancellation of 150 MW MTOA from Corporate Power Limited	ER-SR	
1	25.03.2014		Re-Routing of transactions on West-East-North Corridor discontinued on account of Inter-Regional Loop flows leading to physical congestion on WR-NR.	WR-NR/ ER-NR	
			Margin Revised due to correction in LTA/MTOA figure.	NR-WR	
2	04-01-2014	Whole Month	Margin revised due to grant of 150 MW LTA towards SR from NEW grid and grant of 208 MW LTA to TANGEDCO	ER-SR / S1-S2	
3	04-04-2014	Whole Month	Margin revised due to grant of 69 MW LTA to Jindal Power Limited Tamnar	W3/ ER-SR	
4	04-11-2014	Whole Month	Margin revised due to correction of LTA. 69 MW LTA Quantum inadvertently added in the last revision. Quantum inadvertently added in the last revision	ER-SR	
			Margin revised due to incorporation of existing Power Allocation.	NR-WR	
			Margin revised due to Commissioning of Sasan Unit-4.	WR-NR	
			Margin revised due to incorporation of existing Solar Power Allocation to SR, ER, NER constituents between 6 hrs -18 hrs in LTA figures and allocation data avialable on RPCs RTA/REA.	NR-ER	
			Margin revised considering the LTA/MTOA allocation avialable in RPCs RTA/REA.	ER-NR/ ER- W3	
5	05-01-2014	Whole Month	Margin revised due to incorporation of existing LTA/MTOA allocation avialable in RPCs RTA/REA and Re-routing of existing MTOA granted by CTU.	W3-ER	
			Margin revised due to incorporation of existing Solar Power Allocation to Karnataka between 6 hrs-18 hrs in LTA figures.	ER-SR	
		Margin revised considering the LTA/MTO avialable in RPCs RTA/REA and due to inc	Margin revised considering the LTA/MTOA allocation avialable in RPCs RTA/REA and due to incorporation of existing Solar Power Allocation to Assam.	ER-NER	
			Revised due to Allocation of 150 MW TANGEDCO.	S1-S2	
			Margin revised due to incorporation of existing LTA/MTOA allocation avialable in RPCs RTA/REA and existing MTOA granted by CTU.	W3 zone Injection	
			Revised due to augmentation/ modifications in Punjab control area network.	Import of Punjab	
6	23/5/2014	Whole Month	Refer to explanatory notes regarding the change in TTC representation given in the last page.	ER-SR/S1-S2	
			Revised due to change in Load Generation Balance and Commissioning of Sasan Unit-1.	WR-NR	
7	7 31/5/2014 Whole Month Revised due to change in Load Generation Bala		Revised due to change in Load Generation Balance	ER-NR/ ER- NER	
			Revised due to change in Load Generation Balance.	W3 zone Injection	

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected	
8	02-06-2014	03-06-2014	Revised due to shutdown of 400 kV Meramundali-Angul.	ER-SR	
9	06-06-2014	07-06-2014	Revised due to shutdown of 400 kV GMR-Meramundali and 400 kV Talcher-Meramundali	ER-SR	
		07-06-2014 to 11-06-2014	Revised due to shutdown of 400 kV Kahalgaon - Barh ckt 2	ER-NR	
		12-06-2014	Revised due to shutdown of 400 kV Kahalgaon - Barh ckt 1		
10	07-06-2014	08-06-2014	Revised due to forced outage of HVDC Mundra- Mohindergarh Pole 2	WR-NR	
11	08-06-2014	09-06-2014	Revised due to forced outage of HVDC Mundra- Mohindergarh Pole 2	WR-NR	
12	09-06-2014	10/06/2014- 11/06/2014	Revised due to forced outage of 400 kV Raigarh-SEL- Rourkela Ckt 1	W3-ER	
13	10-06-2014	10/06/2014- 30/06/2014	Revised due to outage of Talcher Stage 2 Unit 6	ER-SR / S1-S2	
		12-06-2014	Revised due to extended shutdown of 400 kV Kahalgaon - Barh ckt 2	ER - NR	
14	11-06-2014	13-06-2014	Revised due to shutdown of 400 kV Kahalgaon - Barh ckt 1		
		12/06/2014- 30/06/2014	Revised due to forced outage of 400 kV Raigarh-SEL- Rourkela Ckt 1	W3-ER	
15	12-06-2014	13-06-2014	Revised due to extended shutdown of 400 kV Kahalgaon - Barh ckt 2	ER-NR	
15		14-06-2014	Revised due to shutdown of 400 kV Kahalgaon - Barh ckt 1		
16	15-06-2014	16-06-2014	Revised due to shutdown of 400kV Bolangir - Angul	ER - SR	
	16-06-2014	16-06-2014 16-06-2014 17-06-2014	Revised due to shutdown of 400kV Raipur-Bhadrawati ckt 2	W3 zone	
17			Revised due to shutdown of 400kV Raipur-Bhadrawati ckt 3	t Injection	
			Revised due to shutdown of 400 kV Kahalgaon - Barh ckt 1	ER-NR	
18	16-06-2014	17/06/2014- 30/06/2014	Revised due to deferment of Vallur Unit 1 planned shutdown	S1-S2	
19	17-06-2014	18-06-2014	Revised due to shutdown of 400 kV Jeypore-Gazuwaka ckt 2 and HVDC Gazuwaka Block 2	ER-SR	
20	18.05.2014	18/06/2014- 19/06/2014	Revised due to forced outage of Vallur Unit 1	S1-S2	
20	18-06-2014	19-06-2014	Revised due shutdown of 400 kV Kahalgaon - Barh ckt 1	ER - NR	
21	19-06-2014	19-06-2014	Revised due to extension of outage of Vallur unit 1	S1-S2	
22	20-06-2014	20/06/2014 - 23/06/2014	Margin revised due to Outage of KSK Mahandi Unit	ER-SR/ WR- SR	
23	21-06-2014	22-06-2014	Revised due to shutdown of 400KV Maithon-Koderma D/C	ER-NR	
24	21-06-2014	22-06-2014	Revised due to non availability of HVDC Gazuwaka Block 1	ER-SR	
25	22-06-2014	23-06-2014	Revised due to non availability of HVDC Gazuwaka Block 1	ER-SR	

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
	23-06-2014	24/06/2014 - 30/06/2014	Revised due to tripping Vallur Unit-1	S1-S2
26		24/06/2014 - 27/06/2014	Margin revised due to Outage of KSK Mahandi Unit	ER-SR/WR- SR
		24-06-2014	Revised due to non availability of HVDC Gazuwaka Block 1 & Margin revised due to Outage of KSK Mahandi Unit	ER-SR
26	24-06-2014	25/06/2014 - 27/06/2014	Revised due to non availability of HVDC Gazuwaka Block 1	ER-SR

# **ASSUMPTIONS IN BASECASE**

Month : June '14

2         Haryana         5334         4220         1056         1117           3         Rajasthan         7448         7777         5583         5384           4         Delhi         3961         3666         681         728           5         Uttar Pradesh         10552         10484         5594         5815           6         Jammu & Kashmir         1602         1380         566         564           7         Uttarakhand         1925         1690         843         534           8         Himachal Pradesh         1102         1151         574         623           9         Chandigarh         180         0         0         0         0           10         ISGS/IPPs         17025         15536         17025         15536           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damo						
NORTHERN REGION         Load (MW)         Load (MW)         Peak (MW)         Off Peak (MW)           I         NORTHERN REGION         Image: Constant States Area         Image: Constant Area         Image: Cons         Image: Cons         Ima			Load		Generation	
1         Punjab         4471         4200         1608         1515           2         Haryana         5334         4220         1056         1117           3         Rajasthan         7448         7777         5583         5384           4         Delhi         3961         3666         681         728           5         Uttar Pradesh         10552         10484         5594         5815           6         Jammu & Kashmir         1602         1380         566         564           7         Uttarakhand         1925         1690         843         534           8         Himachal Pradesh         1102         1151         574         623           9         Chandigarh         180         200         0         0           10         ISGS/IPPs         17025         15536         1536           7         Total NR         36575         34768         33530         31816           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177	S.No.	Name of State/Area		Load	Peak (MW)	
2         Haryana         5334         4220         1056         1117           3         Rajasthan         7448         7777         5583         5384           4         Delhi         3961         3666         681         728           5         Uttar Pradesh         10552         10484         5594         5815           6         Jammu & Kashmir         1602         1380         566         564           7         Uttarakhand         1925         1690         843         534           8         Himachal Pradesh         1102         1151         574         623           9         Chandigarh         180         0         0         0           10         ISGS/IPPs         17025         15536           7         Total NR         36575         34768         33530         31816           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2328         2162	I	NORTHERN REGION				
Rajasthan         7448         7777         5883         5384           4         Delhi         3961         3666         681         728           5         Uttar Pradesh         10552         10484         5594         5815           6         Jammu & Kashmir         1602         1380         566         564           7         Uttarakhand         1925         1690         843         534           8         Himachal Pradesh         1102         1151         574         623           9         Chandigarh         180         200         0         0           10         ISGS/IPPs         17025         15536         17025         15536           7         Total NR         36575         34768         33530         31816           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation	1	Punjab	4471	4200	1608	1515
4         Delhi         3961         3666         681         728           5         Uttar Pradesh         10552         10484         5594         5815           6         Jammu & Kashmir         1602         1380         566         564           7         Uttarakhand         1925         1690         843         534           8         Himachal Pradesh         1102         1151         574         623           9         Chandigarh         180         200         0         0           10         ISGS/IPPs         17025         15536           Total NR         36575         34768         33530         31816           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41	2	Haryana	5334	4220	1056	1117
5         Uttar Pradesh         10552         10484         5594         5815           6         Jammu & Kashmir         1602         1380         566         564           7         Uttarakhand         1925         1690         843         534           8         Himachal Pradesh         1102         1151         574         623           9         Chandigarh         180         200         0         0           10         ISGS/IPPs         17025         15536           Total NR         36575         34768         33530         31816           1         EASTERN REGION         1         1         155         15536           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41	3	Rajasthan	7448	7777	5583	5384
6         Jammu & Kashmir         1602         1380         566         564           7         Uttarakhand         1925         1690         843         534           8         Himachal Pradesh         1102         1151         574         623           9         Chandigarh         180         200         0         0           10         ISGS/IPPs         17025         15536           Total NR         36575         34768         33530         31816           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         7400	4	Delhi	3961	3666	681	728
T         Uttarakhand         1935         1630         300         300           7         Uttarakhand         1925         1690         843         534           8         Himachal Pradesh         1102         1151         574         623           9         Chandigarh         180         200         0         0           10         ISGS/IPPs         17025         15536           Total NR         36575         34768         33530         31816           1         EASTERN REGION         1         1         15536         17025         15536           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0         0           7         Bhatan         108	5	Uttar Pradesh	10552	10484	5594	5815
8         Himachal Pradesh         1102         1151         574         623           9         Chandigarh         180         200         0         0           10         ISGS/IPPs         17025         15536           Total NR         36575         34768         33530         31816           II         EASTERN REGION         10         1536         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         440         7400         7352           11         Chattisgarh         3118         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2909	6	Jammu & Kashmir	1602	1380	566	564
9         Chandigarh         180         200         0         0           10         ISGS/IPPs         17025         15536           Total NR         36575         34768         33500         31816           II         EASTERN REGION         III         EASTERN REGION         IIII           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           10         Chattisgarh         3118         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2	7	Uttarakhand	1925	1690	843	534
10         ISGS/IPPs         17025         15536           Total NR         36575         34768         33530         31816           II         EASTERN REGION         1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           Total ER         16181         14998         18499         18142           III         WESTERN REGION         IIII         WESTERN REGION         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	8	Himachal Pradesh	1102	1151	574	623
Total NR         36575         34768         33530         31866           II         EASTERN REGION	9	Chandigarh	180	200	0	0
II         EASTERN REGION         III         EASTERN REGION           1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         00           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           Total ER         16181         14998         18499         18142           III         WESTERN REGION         I         I         Chattisgarh         3118         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2909           3         Maharashtra         15542         16342         10886         11197           4	10	ISGS/IPPs			17025	15536
1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           Total ER         16181         14998         18499         18142           0         0         0         0         0         0           1         Chattisgarh         3118         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2909           3         Maharashtra         15542         16342         10886         11197           4         Gujarat         11193		Total NR	36575	34768	33530	31816
1         West Bengal         7127         6661         5396         4376           2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           Total ER         16181         14998         18499         18142           0         0         0         0         0         0           1         Chattisgarh         3118         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2909           3         Maharashtra         15542         16342         10886         11197           4         Gujarat         11193						
2         Jharkhand         696         851         275         350           3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           Total ER         16181         14998         18499         18142           1         Chattisgarh         3118         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2909           3         Maharashtra         15542         16342         10886         11197           4         Gujarat         11193         11948         9820         10359           5         Goa         258         360         0         0           6         Daman and Diu         124         <	11	EASTERN REGION				
3         Orissa         3177         2990         2315         2770           4         Bihar         2276         1775         110         110           5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           Total ER         16181         14998         18499         18142           1         Chattisgarh         3118         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2909           3         Maharashtra         15542         16342         10886         11197           4         Gujarat         11193         11948         9820         10359           5         Goa         258         360         0         0           6         Dama and Diu         124         94         0         0           7         Dadra and Nagar Haveli         619	1	West Bengal	7127	6661	5396	4376
4         Bihar         2010         2	2	Jharkhand	696	851	275	350
5         Damodar Valley Corporation         2328         2162         2703         2889           6         Sikkim         59         41         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           Total ER         16181         14998         18499         18142           1         Chattisgarh         3118         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2909           3         Maharashtra         15542         16342         10886         11197           4         Gujarat         11193         11948         9820         10359           5         Goa         258         360         0         0           6         Daman and Diu         124         94         0         0           7         Dadra and Nagar Haveli         619         600         0         0           8         ISGS/IPPs         1239         1239         18000         18000	3	Orissa	3177	2990	2315	2770
6         Sikkim         59         41         0         0           7         Bhutan         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           Total ER         16181         14998         18499         18142           III         WESTERN REGION	4	Bihar	2276	1775	110	110
7         Bhutan         108         108         108         300         295           8         ISGS/IPPs         410         410         7400         7352           Total ER         16181         14998         18499         18142           III         WESTERN REGION         III         WESTERN REGION         III         108         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2909         3           3         Maharashtra         15542         16342         10886         11197           4         Gujarat         11193         11948         9820         10359           5         Goa         258         360         0         0           6         Daman and Diu         124         94         0         0           7         Dadra and Nagar Haveli         619         600         0         0         0           8         ISGS/IPPs         1239         1239         18000         18000	5	Damodar Valley Corporation	2328	2162	2703	2889
Bisdam         Intel         Intel <t< td=""><td>6</td><td>Sikkim</td><td>59</td><td>41</td><td>0</td><td>0</td></t<>	6	Sikkim	59	41	0	0
Total ER         16181         14998         18499         18142           III         WESTERN REGION   <	7	Bhutan	108	108	300	295
III         WESTERN REGION         III         WESTERN REGION           1         Chattisgarh         3118         2566         2217         1790           2         Madhya Pradesh         6272         5975         3092         2909           3         Maharashtra         15542         16342         10886         11197           4         Gujarat         11193         11948         9820         10359           5         Goa         258         360         0         0           6         Daman and Diu         124         94         0         0           7         Dadra and Nagar Haveli         619         600         0         18000	8	ISGS/IPPs	410	410	7400	7352
1Chattisgarh31182566221717902Madhya Pradesh62725975309229093Maharashtra155421634210886111974Gujarat11193119489820103595Goa258360006Daman and Diu12494007Dadra and Nagar Haveli619600008ISGS/IPPs123912391800018000		Total ER	16181	14998	18499	18142
1Chattisgarh31182566221717902Madhya Pradesh62725975309229093Maharashtra155421634210886111974Gujarat11193119489820103595Goa258360006Daman and Diu12494007Dadra and Nagar Haveli619600008ISGS/IPPs123912391800018000						
2         Madhya Pradesh         6272         5975         3092         2909           3         Maharashtra         15542         16342         10886         11197           4         Gujarat         11193         11948         9820         10359           5         Goa         258         360         0         0           6         Daman and Diu         124         94         0         0           7         Dadra and Nagar Haveli         619         600         0         0           8         ISGS/IPPs         1239         1239         18000         18000	ш	WESTERN REGION				
3         Maharashtra         15542         16342         10886         11197           4         Gujarat         11193         11948         9820         10359           5         Goa         258         360         0         0           6         Daman and Diu         124         94         0         0           7         Dadra and Nagar Haveli         619         600         0         0           8         ISGS/IPPs         1239         1239         18000         18000	1	Chattisgarh	3118	2566	2217	1790
4         Gujarat         11193         11948         9820         10359           5         Goa         258         360         0         0           6         Daman and Diu         124         94         0         0           7         Dadra and Nagar Haveli         619         600         0         0           8         ISGS/IPPs         1239         1239         18000         18000	2	Madhya Pradesh	6272	5975	3092	2909
5         Goa         258         360         0         0           6         Daman and Diu         124         94         0         0           7         Dadra and Nagar Haveli         619         600         0         0           8         ISGS/IPPs         1239         1239         18000         18000	3	Maharashtra	15542	16342	10886	11197
6         Daman and Diu         124         94         0         0           7         Dadra and Nagar Haveli         619         600         0         0           8         ISGS/IPPs         1239         1239         18000         18000	4	Gujarat	11193	11948	9820	10359
7         Dadra and Nagar Haveli         619         600         0         0           8         ISGS/IPPs         1239         1239         18000         18000	5	Goa	258	360	0	0
8 ISGS/IPPs 1239 1239 18000 18000	6	Daman and Diu	124	94	0	0
	7	Dadra and Nagar Haveli	619	600	0	0
	8	ISGS/IPPs	1239	1239	18000	18000
		Total WR	38365	39124	44015	44255

IV	SOUTHERN REGION				
1	Andhra Pradesh	10867	9465	6571	5881
2	Tamil Nadu	11286	10266	7776	7002
3	Karnataka	8112	7123	6100	4619
4	Kerala	3214	2389	1781	863
5	Pondy	285	249	0	0
6	Goa	83	83	0	0
7	ISGS/IPPs			9937	9560
	Total SR	33847	29575	32165	27925
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	78	58	0	0
2	Assam	893	723	270	180
3	Manipur	84	48	0	0
4	Meghalaya	230	168	115	41
5	Mizoram	60	38	4	4
6	Nagaland	84	57	12	8
7	Tripura	158	115	95	99
8	ISGS/IPPs	·		561	274
	Total NER	1587	1207	1057	606
		400555	440070	400000	400744
	Total All India	126555	119672	129266	122744