Issue Date: 16/1/2015 Issue Time: 1800 hrs Revision No. 12

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 January 2015 to 31st January 2015	00-24	2500	500	2000	1055	945		
WR-NR **	1st January 2015 to 31st January 2015	00-17 23-24	4700	500	4200	4768	0		
	,	17-23	4700		4200		0	<u> </u>	
NR-ER*	1st January 2015 to	00-06 06-18'	2000	200	1800 1800	293 358	1507 1442		
	31st January 2015	18-24	2000		1800	293	1507		
ER-NR	1st January 2015 to 31st January 2015	00-17 23-24	3400	300	3100	2431	669		
	51st January 2015	17-23					669		
	1st January 2015 to								
W3-ER ^{\$}	31st January 2015	00-24	1800	300	1500	351	1149		
ER-W3	1st January 2015 to 31st January 2015	00-24	1000	300	700	973	0		
		00-05 22-							
	1st January 2015 to 4th January 2015	24	2500	750	1750	1350	400		
		05-22'	2100		1350	1350	0		
		00-05	2500	750	1750	1350	400		
	5th January 2015	05-08'	2100	750	1350	1350	0		
		08-22'	1000	0	1000	1350	0		
		22-24	1000	0	1000	1350	0		
	6th January 2015 to 10th January 2015	00-05 22- 24	2500	750	1750	1350	400		
WR-SR ##		05-22'	2100		1350	1350	0		
		00-05 05-08'	2500 2100	750	1750	1350	400		
	11th January 2015	05-08'	1000	0	1350 1000	1350 1350	0		
		22'-24	1000	0	1000	1350	0		
	12th January 2015 to	00-05 22- 24	2500	750	1750	1350	400		
	15th January 2015	05-22'	2100	730	1350	1350	0		
	16th January 2015 to	00-05 22- 24	2500	750	1750	1350	400		
	31st January 2015			730			_		
	518t January 2015	05-22'	2100		1350	1350	0		

Issue Date: 16/1/2015 Issue Time: 1800 hrs Revision No. 12

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 January 2015 to	00-06 18-				2585	65		
	15th January 2015	24	2650	0	2650				
		06-18'				2650	0		
		00-06	2650		2650	2585	65		
		06-615	2400		2400	2650	0		
		615-630	2150		2150	2650	0		
	16th January 2015	630-645	1900	0	1900	2650	0		
		645-7	1700		1700	2650	0		
		7-18'	1700		1700	2650	0		
		18-24	2650		2650	2585	65	950	
		00-05	2650		2650	2585	65	950	
		05-515	2400		2400	2585	0	700	
		515-530	2150		2150	2585	0	450	D : 11
		530-545	1900		1900	2585	0	200	Revised due to restoration of
	17th January 2017	545-6	1650		1650	2585	0	-50	Talcher-Kolar HVDC pole-1
	17th January 2015	06-615	1400	0	1400	2650	0	-50	
ED CD ##		615-630	1150		1150	2650	0	-50	
ER-SR ##	I-SR ##	630-645	900		900	2650	0	-50	
		645-7	700		700	2650	0		
		7-18'	700		700	2650	0		
		18-24	700		700	2585	0		
		00-06	700		700	2585	0		
		06-18'	700		700	2650	0		
		18-21	700		700	2585	0		
	18th January 2015	21-2115	950	0	950	2585	0		
		2115-2130	1200		1200	2585	0		
		2130-2145	1450		1450	2585	0		
		2145-22	1700		1700	2585	0		
		22-24	1700		1700 1700	2585	0		
	104. 1 2015	00-06	1700			2585	0		
	19th January 2015	06-18'	1700	0	1700	2650	0		
		18-24	1700		1700	2585	0		
	20th January 2015 to	00-06 18-	2650	0	2650	2585	65		
	31st January 2015	24	2650	0	2650	2650	0		
	1 . 7 . 2015 .	06-18'				2650	0		
SR-ER *	1st January 2015 to 31st January 2015	00-24				No limit i	s being Specified.		
		00:-							
	1st January 2015 to	00-17	650	.	600	240	390		
ER-NER	31st January 2015	23-24		50		210			
		17-23	720		670		460		
	1st January 2015 to	00-17	540	30	510		510		
NER-ER	31st January 2015	23-24				0			
		17-23	590	40	550		550		
	1st January 2015 to							1	
	4th January 2015	00-24	3720	315	3405	2630	775		
	5th January 2015 to 8th January 2015	00-24	3720	315	3405	2630	775		
	-	00-15	3720		3405	2630	775		
	9th January 2015	15-24	3430	315	3115	2520	595		
	10th January 2015 to 13th January 2015	00-24	3430	315	3115	2520	595		

Issue Date: 16/1/2015 Issue Time: 1800 hrs Revision No. 12

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
S1-S2	14th January 2015	00-22	3430	315	3115	2520	595		
	14th January 2013	22-24	3625	313	3310	2775	535		
	15th January 2015	00-05	3625	315	3310	2775	535		
	13th January 2013	05-'24	3325	313	3010	2775	235		
	16th January 2015	00-24	3325	315	3010	2775	235		
	17th January 2015 to 18th January 2015	00-24	3325	315	3010	2775	235	105	Revised due to Kudankulam U-1 Outage Extension
	19th January 2015 to 31st January 2015	00-24	3430	315	3115	2520	595		
Import of Punjab	1st January 2015 to 31st January 2015	00-24	5700	300	5400	3790	1610		
Import TTC for DD & DNH	1st January 2015 to 31st January 2015	00-24	1200	0	1200		OA as per ex-pp edule		
W3 zone Injection	1st January 2015 to 31st January 2015	00-17 23- 24	9400	200	9200	6862	2338		
injection	518t January 2015	17-23	9900		9700		2838		

^{*} 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).

- ## 1) 215 MW quantum of LTA is not being scheduled as per the CERC order dated 1st Oct 2014 for petition number 92/MP/2014
- ## 2) 211 MW quantum of MTOA is not being scheduled as per the communication sent by GM (commercial), Powergrid dated 30th Sep 2014.
- ## 3) considering (1), (2) & likelihood of commencement of above transactions, the margins would be released for short term transactions on day ahead basis.
- \$ 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.
- 1) ER-SR TTC declared at Talcher Interconnector and Gazuwaka HVDC $\ensuremath{B/B}$ 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
- # 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 willl be revised to normal values if the shutdown is not being availed in real time.

^{**}Considering the dense fog in Major parts of Nothern region in the morning hours between 0300 hrs to 0900 hrs and an associated high risk of HVDC Mundra - Mohindergarh pole tripping / RVO mode of operation, TTC will be curtailed in these hours by 600 MW on day ahead basis looking at the forecast & real time situation.

Issue Date: 16/1/2015 Issue Time: 1800 hrs Revision No. 12

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
----------	------	-------------------------	--	-----------------------	--	--	--	---	----------

Limiting Constraints

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
WR-NR	High Loading of 400kV Singrauli-Anpara & 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 Saranath-Pusauli
ER-NR	n-1 contingencies of 400KV Kahalgaon-Banka S/C and 400 kV Farraka-Malda S/C
W3-ER	i. (n-1) Contingency of 400 kV MPL-Maithon S/C ii. (n-1) contingency of 400kV Sterlite-Rourkela S/C
ER-W3	(n-1) contingency of 400kV Raigarh-Jharsuguda-Rourkela
WR-SR & ER-SR	 (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG) 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.
ER-NER	n-1 contingencies of 400KV Kahalgaon-Banka S/C and 400 kV Farraka-Malda S/C
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa
S1-S2	(n-1) contingency of one circuit of 400 kV Kolar-Hosur D/C line
Import of DD & DNH	(n-1) contingency of 400/220KV 315MVA ICT at VAPI
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 (850 MW SPS setting on each circuit of 400kV Raipur-Wardha)

^{*}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									
NR	1st January 2015 to 31st January 2015	00-17 23-24	8100	800	7300	7199	101		
	-	17-23 00-17	8100		7300		101		
NER	1st January 2015 to 31st January 2015	23-24 17-23	650 720	50	600 670	210	390 460		
WR		17 23	720		070		400		
WK									
		00-05	5150		4400	3935	465		
	1st January 2015 to	05-06' 06-18'	4750 4750	750	4000 4000	3935 4000	65 0		
	4th January 2015	18-22	4750	730	4000	3935	65		
		22-24	5150		4400	3935	465		
		00-05	5150	750	4400	3935	465		
		05-06'	4750	750	4000	3935	65		
	5th January 2015	06-08'	4750	750	4000	4000	0		
	2012	08-18'	3650	0	3650	4000	0		
		18-22 22-24	3650 3650	0	3650 3650	3935 3935	0		
		00-05	5150	U	4400	3935	465		
		05-06'	4750		4000	3935	65		
	6th January 2015 to 10th January 2015	06-18'	4750	750	4000	4000	0		
	10th January 2015	18-22	4750		4000	3935	65		
		22-24	5150		4400	3935	465		
		00-05	5150	7.50	4400	3935	465		
		05-06'	4750 4750	750	4000 4750	3935 4000	65 750		
	11th January 2015	06-08' 08-18'	3650		3650	4000	0		
		18-22	3650		3650	3935	0		
		22-24	3650		3650	3935	0		
		00-05	5150		4400	3935	465		
	12th January 2015	05-06'	4750		4000	3935	65		
	to 15th January	06-18'	4750	750	4000	4000	0		
	2015	18-22	4750		4000	3935	65		
		22-24 00-05	5150 5150		4400 4400	3935 3935	465 465		
		05-06'	4750		4000	3935	65		
		06-615	4500		3750	4000	0		
		615-630	4250		3500	4000	0		
	16th January 2015	630-645	4000	750	3250	4000	0		
##		645-7	3800		3050	4000	0		
SR##		7-18'	3800		3050	4000	0 65	050	
		18-22 22-24	4750 5150		4000 4400	3935 3935	465	950 950	
		00-05	5150		4400	3935	465	950	
		05-515	4500		3750	3935	0	2800	
		515-530	4250		3500	3935	0	2550	Revised due to restoration
		530-545	4000		3250	3935	0	2300	of Talcher-Kolar HVDC
		545-6	3750		3000	3935	0	2050	pole-1
	17th January 2015	06-615	3500	750	2750	4000	0	-50	
		615-630 630-645	3250 3000		2500 2250	4000 4000	0	-50 -50	
		645-7	2800		2050	4000	0	-50	
		7-18'	2800		2050	4000	0		
		18-22	2800		2050	3935	0		
		22-24	3200		2450	3935	0		

Simultaneous Import Capability

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA)	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
		00-05	3200		2450	3935	-1485		
		05-06'	2800		2050	3935	-1885		
		06-18'	2800		2050	4000	0		
		18-21	2800		2050	3935	0		
	18th January 2015	21-2115	2800	750	2050	3935	0		
		2115-2130	3050		2300	3935	0		
		2130-2145	3300		2550	3935	0		
		2145-22	3550		2800	3935	0		
		22-24	4200		3450	3935	0		
		00-05	4200		3450	3935	-485		
		05-06'	3800		3050	3935	-885		
	19th January 2015	06-18'	3800	750	3050	4000	0		
		18-22	3800		3050	3935	0		
		22-24	4200		3450	3935	0		
		00-05	4750		4000	3935	65		
	20th January 2015	05-06'	4750		4000	3935	65		
	to 31st January	06-18'	4750	750	4000	4000	0		
	2015	18-22	4750		4000	3935	65		
		22-24	4750		4000	3935	65		

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 January 2015 to 31st January 2015	00-06 18- 24	4500	700	3800	1348	2452			
	51st January 2015	06-18'	4500		3800	1413	2387			
NER	1st January 2015 to 31st January 2015	00-17 23-24	540	30	510	0	510			
	51st January 2015	17-23	590	40	550		550			
WR										
WK										
SR *	1st January 2015 to 31st January 2015	00-24		No limit is being Specified.						

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

1) 215 MW quantum of LTA is not being scheduled as per the CERC order dated 1st Oct 2014 for petition number 92/MP/2014

2) 211 MW quantum of MTOA is not being scheduled as per the communication sent by GM (commercial), Powergrid dated 30th Sep 2014.

Limiting Constraints

	Constraints	
NR	Import	n-1 contingencies of 400KV Kahalgaon-Banka S/C and 400 kV Farraka-Malda S/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).
		,
Ev	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
	Laport	(n-1) contingency of 400 kV Saranath-Pusauli
NER	Import	n-1 contingencies of 400KV Kahalgaon-Banka S/C and 400 kV Farraka-Malda S/C
NEK	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
		1. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG)
SR	Import	2. 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.

^{*}Primary constraints

^{## 3)} Considering (1), (2) & likelihood of commencement of above transactions, the margins would be released for short term transactions on day ahead basis.

Revision	Date of	Period of	Reason for Revision	Corridor
No	Revision	Revision	Reason for Revision	Affected
			Margin revised due to change in LTA/MTOA.	NR-WR/ ER- W3/ W3-ER
			Revised considering change in LTA/MTOA and the New	W3 Zone
	20 42 2044		Transmission system commissioned.	Injection
1	29-12-2014	Whole Month	Margin revised due to COD of SASAN Unit-5.	WR-NR
			Revised after considering the LGBR submitted in 102nd OCC meeting and the New Transmission system commissioned.	S1-S2
2	30-12-2014	Whole Month	Revised due to NCTPS Stage -2 Unit-1 Outage Extension	S1-S2
3	31-12-2014	01/01/2015 to 15/01/2015	Revised considering the present demand pattern of Maharashtra during off -peak conditions.	WR-SR
J	31 12 2011	01/01/2015 to 04/01/2015	Revised due to Vallur Unit-2 Outage Extension. Less coal stock because of coal conveyor works commissioning.	S1-S2
4	31-12-2014	Whole Month	Revised due to Commissioning of Kudankulam Unit-1.	S1-S2
		05-01-2015	Revised due to shutdown of 765 kV Bus-2 at Sholapur S/S	WR-SR
5	04-01-2015	05-01-2015 to 09-01-2015	Revised due to Vallur Unit-2 outage extension	S1-S2
6	08-01-2015	Whole month	**Considering the dense fog in major parts of Northern region in the morning hours between 0300 hrs to 0900 hrs and an associated high risk of HVDC Mundra - Mohindergarh pole tripping / RVO mode of operation, WR-NR TTC will be curtailed in these hours by 600 MW on day ahead basis looking at the forecast & real time situation.	WR-NR
7	08-01-2015	09-01-2015	Revised due to Vallur U-2 Outage Extension	S1-S2
8	10-01-2015	11-01-2015	Revised due to shutdown of 400 kV Parli - Sholapur Ckt 2	WR-SR
		14-01-2015	Revised due to NCTPS Stage-2 Unit-2 and KKNPP Unit-1 outage	
9	14-01-2015	15-01-2015 to 16-01-2015	Revised due to KKNPP Unit-1 outage	S1-S2
10	14-01-2015	16-01-2015 to 31-01-2015	Revised considering the present demand pattern of Maharashtra during off -peak conditions.	WR-SR
		16-01-2015	Revised due to Shutdown of Talcher-Kolar HVDC pole-1 Shutdown.	ER-SR

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
11	16-01-2015	17-01-2015 to 19-01-2015	Revised due to Shutdown of Talcher-Kolar HVDC pole-1 & Pole-2 Shutdown.	WR-SR
11	10-01-2015	17-01-2015 to 18-01-2015	Revised due to Kudankulam U-1 Outage Extension	ER-SR
12	16-01-2015	16-01-2015 to 17-01-2015	Revised due to restoration of Talcher-Kolar HVDC pole-1	ER-SR