National Load Despatch Centre Total Transfer Capability for January 2013

Issue Date:	21/01/2013		Issue Time Total	: 1300 hrs	Available	Long Term	Revision No. Margin	15	
Corridor	Date	Time Period (hrs)	Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Access (LTA)/ Medium Term Open Access (MTOA)	Available for Short Term Open Access (STOA)	Comments	
NR-WR	1st January 2013 to 31st January 2013	00-24	1500	200	1300	286	1014		
	1st January 2013 to 15th January 2013	00-24	1700	200	1500	780	720	LTA revised due to commisioning of CGPL unit-30	
WR-NR#	16th January 2013 to 17th January 2013	00-09 18-24 09-18'	1700 1600	200	1500	780	720 620	Revised due to Shutdown of 220kV Kota-Badod	
	18th January 2013 to 21st January 2013	00-24	1700	200	1500	780	720		
	22nd January 2013 to 31st January 2013	00-24	1700	200	1500	1040	460	LTA/MTOA revised due to COD of CGPL unit-40.	
ND ED	1st January 2013 to	00-17	800	200	600	0	600		
NR-ER	31st January 2013	23-24 17-23	900	200	700	0	700		
	1st January 2013 to	00-17 23-24	2350	300	2050	1770	280	DVC LTA figures to NR included	
	3rd January 2013	17-23				1770	280		
	4th January 2013	00-10 12-24	2350	300	2050	1770	280	Revised due to emergency shutdown 400 KV Kahalgaon - Biharsariff - II	
		10-12' 00-17	2250		1950	1770	180	400 KV Kanaigaon - binaisann - n	
ER-NR	5th January 2013 to 17th January 2013	23-24	2350	300	2050	1770	280		
	17th January 2015	17-23 00-11				1770	280		
	18th January 2013	19-24	2350	300	2050	1770	280	Revised due to Emergency shutdown 400kV Malda-New Purnea-I	
		11-19' 00-17	1910		1610	1610	0		
	19th January 2013 to 31st January 2013	23-24	2350	300	2050	1770	280		
		17-23				1770	280		
	1st January 2012 to 20th January 2012	00-24	1400	300	1100	0	1100		
W3-ER	21st January 2012	00-07, 18-24		300	1100	0	1100	Revised due to shutdown of 400 k Sipat-Ranchi D/C	
	22nd January 2012 to	07-18'	1200		900		900	Sipat-Raitin D/C	
	31st January 2012	00-24	1400	300	1100	0	1100		
ER-W3	1st January 2012 to 31st January 2012	00-24	900	250	650	650	0		
WR-SR	1st January 2013 to 31st January 2013	00-24	1000	0	1000	992	8		
SR-WR	1st January 2013 to 31st January 2013	00-24	1000	0	1000	0	1000		
		00-05	830		830		660	Revised due to full availability of El	
	1st January 2013 to 7th January 2013	10-19 05-10		0		170		ISGS, TSTPP st-II and less drawal by	
		19-24	950*		950*		780*	Odisha.	
		00-05 17-19	830	0	830	170	660		
	8th January 2013	05-07' 19-24	950*	0	950*	170	170 780* ^I	Revised due to shutdown of 400 kV Baripada-Kharagpur-Kolaghat.	
		07-10'	750*	0	750*	170*	580*	Daripada-Kharagpur-Kolaghat.	
		10-17' 00-05	750	0	750	170	580		
	9th January 2013 to	10-19	830	0	830	170	660		
ER-SR	12th January 2013	05-10 19-24	950*	0	950*	170	780*		
	13th January 2013	00-05	830	0	830	170	660	Revised due to shutdown of HVDC	
	15th January 2015	05-19' 19-24	170 950*	0	170 950*	170	0 780*	Talcher-Kolar Pole 1	
	144 1 2012	00-05	830	0	830	170	660	Revised due to shutdown of HVDC	
	14th Januray 2013	05-19' 19-24	0 950*	0	0 950*	170	0 780*	Talcher-Kolar Pole 2	
		00-05	830		830		660		
	15th January 2013	16-19 07-16'	750	0	750	170	580	Revised due to shutdown of 400 KV Kolaghat - Baripada	
		05-07	950*		950*		780*	Kolaghat - Baripada	
		19-24 00-05	830		830		660		
	16th January 2013- 31st January 2013	10-19 05-10		0		170			
	515t January 2013	19-24	950*		950*		780*		
SR-ER	1st January 2012 to	00-17 23-24	700	0	700	197	503		
OW-DW	31st January 2012	17-23	700		700	177	503		

National Load Despatch Centre Total Transfer Capability for January 2013

ER-NER 18th January 2013 00-8 19-24 450 450 35 35 415 182 233 205 0 205 KV Balip 205 19th January 2013 00-08 19th January 2013 to 31st January 2013 00-08 17-24 450 35 415 182 233 160.1.13 2.8 evise shutdown 20th January 2013 to 31st January 2013 00-17 23-24 450 35 415 182 233 9 1st January 2013 to 15th January 2013 to 17th January 2013 to 17th January 2013 00-17 23-24 450 35 415 186 229 9 NER-ER 1st January 2013 to 17th January 2013 to 17th January 2013 to 17th January 2013 to 31st January 2013 00-17 23-24 600 100 0 0 0 0 1. Revise Work 1. Revise Work <td< th=""><th>Comments ed due to Shutdown of 400 para – Bongaigaon II from ito 19.01.13. ed due to Emergency n of 400kV Malda-New on 18.01.13. ed due to Shutdown of 400 para – Bongaigaon II from ito 19.01.13. ed due to Emergency n of 400kV Malda-New ion 18.01.13.</th></td<>	Comments ed due to Shutdown of 400 para – Bongaigaon II from ito 19.01.13. ed due to Emergency n of 400kV Malda-New on 18.01.13. ed due to Shutdown of 400 para – Bongaigaon II from ito 19.01.13. ed due to Emergency n of 400kV Malda-New ion 18.01.13.	
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Increase	para – Bongaigaon II from to 19.01.13. ed due to Emergency on 18.01.13. ed due to Shutdown of 400 para – Bongaigaon II from to 19.01.13. ed due to Emergency n of 400kV Malda-New	
ER-NER 18th January 2013 (8 h) January 2013 (9 h) January 2013 (15 h) January 2013 (1	ed due to Shutdown of 400 bara – Bongaigaon II from to 100kV Malda-New	
NER-RR Ist January 2013 19-24 19th January 2013 (0-17) 240 205 205 0 shutdown 19th January 2013 00-08 17-24 450 35 415 182 233 Purnea-1 20th January 2013 00-17 31st January 2013 23-24 450 35 415 182 233 Purnea-1 1st January 2013 00-17 23-24 450 35 415 186 229 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 1. Revise 16th January 2013 23-24 600 100 500 0 200 200 1. Revise KV Balipn 16.01.13 1. Revise 2. Revise 1. Revise 1. Revise 1. Revise 2.00 2. Revise 2. Revise 2. Revise 2. Revise 2. Revise 2. Revise 1. Revise 2. Revise	ed due to Emergency n of 400kV Malda-New on 18.01.13. ed due to Shutdown of 400 para – Bongaigaon II from to 19.01.13. ed due to Emergency n of 400kV Malda-New	
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NER-ER Ist January 2013 to 15th January 2013 17:23 00-17 23-24 600 17:23 100 300 500 200 0 200 500 200 500 200 16th January 2013 17:723 300 100 500 0 200 200 16th January 2013 17:723 300 100 500 0 0 200 16th January 2013 17:73 300 100 500 0 0 0 1. Revise 18th January 2013 19th January 2013 31st January	ara – Bongaigaon II from to 19.01.13. ed due to Emergency n of 400kV Malda-New	
NER-ER Ist January 2013 to 15th January 2013 23-24 (17-23) 600 (17-23) 100 (200) 500 (200) 0 500 (200) 500 (0) 500 (0) 200 16th January 2013 (17-23) 00-08 (28-17) 600 (23-24) 600 (23-24) 100 0<	ara – Bongaigaon II from to 19.01.13. ed due to Emergency n of 400kV Malda-New	
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NER-ER 101 January 2015 0 17/1 January 2013 17-23 23-24 300 100 200 0 200 0 200 0 200 1. Revise 200 18th January 2013 18th January 2013 19th January 2013 19th January 2013 18th	ara – Bongaigaon II from to 19.01.13. ed due to Emergency n of 400kV Malda-New	
NER-ER Interview of the sector o	ara – Bongaigaon II from to 19.01.13. ed due to Emergency n of 400kV Malda-New	
NER-ER 18th January 2013 23-24 600 100 500 0 500 16.01.13 00-08 19-23 300 0 0 0 2.2.evise 200 200 200 500 0 2.2.evise 500 0 2.00 shutdown 19th January 2013 00-08 23-24 600 100 0 0 0 200 500 0 0 9urmea-1 19th January 2013 08-17 100 100 0 200	to 19.01.13. ed due to Emergency n of 400kV Malda-New	
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Inc. Inc. <thinc.< th=""> Inc. Inc. <thi< td=""><td>n of 400kV Malda-New</td></thi<></thinc.<>	n of 400kV Malda-New	
Ist January 2013 31st Jan	on 18.01.13.	
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20th January 2013 31st Ja		
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Import TTC for DD & DNH 1st January 2013 to 31st January 2013 00-24 980 0 980 LTA and MTOA as per ex-pp schedule 00-18 00-18 00-18 00-18 00-18 00-18		
Ior DD & DNH 31st January 2013 00-24 980 0 980 schedule 00.18 00.18 00.18 00.18 6400 MW		
00.18		
1st January 2013 to 22-24 /000 6800 400 Margin fr	6400 MW corresponds to maximu effective LTA from W3. Export Margin from W3 would vary on daily basis as per the Declared	
4th January 2013 Capability	ty (DC) of generators ng power on long term bas	
00-08' 8000 7800 1400		
5th January 2013 08-17' 7500 200 7300 6400 900 1. Revise	1. Revised due to Commissioning	
17-23' 8000 7800 1400 kV R	Raipur-Wardha D/C with	
23-24 7500 7300 900 40% Seri	ies Compensation at Ward	
W3 zone 6th January 2013 to 00-17' 23-24 7500 200 7300 6400 900 Shutdown ckt-1 and to 0,0 11'	n of 765 kV Seoni-Wardh d Seoni-Bina from 05.01.1	
Injection 7th January 2013 17-23' 8000 200 7800 6400 1400		
8th January 2013 23-24 8000 200 7800 6400 1400		
Sun January 2013 23-24 200 6400 17-23 8500 8300 1900		
00-08 8000 7800 1400		
9th January 2013 08-17' 7500 200 7300 6400 900 17-23 8000 7800 6400 1400 p 1		
	due to shutdown of 765 k Wardha I from 09 01 13 tr	
23-24 7500 7300 900 Seoni-V 00-17 7500 7300 900 Seoni-V	due to shutdown of 765 k Wardha I from 09.01.13 to 10.01.13	
23-24 7500 7300 900 00-17 7500 7300 900 10th January 2013 17-19 8000 200 7800 6400 1400	Wardha I from 09.01.13 to	
23-24 7500 7300 900 Sconi-V 00-17 7500 7300 900 Sconi-V	Wardha I from 09.01.13 to	
23-24 7500 7300 900 Sconi-V 00-17 7500 7300 900 1000 <td< td=""><td>Wardha I from 09.01.13 to</td></td<>	Wardha I from 09.01.13 to	

National Load Despatch Centre

Total Transfer Capability for January 2013

Issue Date: 21/01/2013

Issue Time: 1300 hrs

Revision No.15

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)	Comments
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ER-SR TTC declared at Talcher Interconnector and Gazuwaka HVDC B/B seam
 S1 comprises of AP and Karnataka: S2 comprises of Tamil Nadu, Kerala and Pondicherry
 W3 comprises of the following regional entities and would be operational wef 0000 hrs of 18th September 2012
 Chattisgarh, b) Jindal Power Limited (JPL), c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak
 BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat
 * additional 250 MW can be transferred to SR if injection point is South Odisha

Limiting Constraints

Corridor	Constraint						
NR-WR	(n-1) contingency of 400kV Bina(PG)-Bina(MP)						
WR-NR	(n-1) contingency of 400 kV Bina-Gwalior						
NR-ER	(n-1) contingency of 400 kV Pusauli-Biharsharif						
ER-NR	(n-1) contingency of 400 kV Farakka-Malda						
W3-ER	(n-1) contingency of 400 kV Farakka-Malda*						
ER-W3	High loading of 400 kV Raipur-Bhadrawati T/C, Bhilai-Bhadrawati S/C, Bhilai-Koradi and Bhilai-Seoni*						
	(n-1) contingency of 400kV Rourkela-Jamshedpur						
WR-SR	Bhadrawati HVDC B/B link capacity						
SR-WR	(n-1) Coningency of 400kV Gooty-Somanhalli & 400kV Gooty-Nelamangala 1 Bhadrawati HVDC B/B link capacity						
511 111	(n-1) contingency of 400 kV Rourkela-Talcher*						
ER-SR	Low Voltage in Chennai Area						
	(n-1) contingency of 400 kV Vijaywada-Nellore*						
SR-ER	(n-1) contingency of 400 kV Farakka-Malda*						
SK-EK	(n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur						
	(n-1) contingency of 400 kV Farakka-Malda*						
ER-NER	High Loading of 220 kV BTPS-Agia						
ER-NER	High Loading of 220 kV Balipara-Samaguri						
	High Loading of 400/220 kV 315 MVA ICT at Misa, Balipara						
NER-ER	(n-1) contingency of 400 kV Binaguri-Bongaigaon						
	High loading of 132 kV LTPS - Mariani*						
S1-S2	(n-1) contingency of 400 kV Hosur-Salem						
Import of Punjab	(n-1) contingency of ICT at Moga						
W3 zone export TTC	(n-1) contingency of 400 kV Raipur-Wardha and High loading of 400 kV Bhilai-Koradi						

*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)	Comments
ER								
	1st January 2013 to 3rd January 2013	00-17 23-24	4050	500	3550	2550	1000	LTA revised due to commisioning of CGPL unit-
	4th January 2013	17-23 00-17 23-24	4050	500	3550 3550	2550 2550	1000	30. Revised due to emergency shutdown of 400 KV
	-	17-23	3950		3450	2550	900	Kahalgaon - Biharsariff - II
	5th January 2013 to 15th January 2013	00-17 23-24	4050	500	3550	2550	1000	-
	1641 I. 2012	17-23 00-09	10.50		3550	2550	1000	
NR#	16tth January 2013 to 17th January 2013	18-24	4050	500	3550	2550	1000	Revised due to Shutdown of 220kV Kota-Badod
		09-18' 00-11	3950		3450		900	Revised due to Emergency
	18th January 2013	19-24	4050	500	3550	2550	1000	shutdown of 400kV Malda-
		11-19' 00-17	3610		3110	2550	560	New Purnea-I
	19th January 2013 to 211st January 2013	23-24	4050	500	3550	2550	1000	
		17-23 00-17			3550	2550	1000	
	22nd January 2013 to 31st January 2013	23-24	4050	500	3550	2810	740	LTA/MTOA revised due to COD of CGPL unit-40.
	51st January 2015	17-23 00-17			3550	2810	740	COD of COI E unit-40.
NER	1st January 2013 to 15th January 2013	23-24	450	35 35	415	182	233	
		17-23	450		415	186	229	
	16th January 2013 to	00-08 17-24	450		415	182	233	1. Revised due to Shutdown
	17th January 2013 18th January 2013	08-17'	240	35	205	205	0	of 400 kV Balipara –
		00-08 17-24	450		415	182	233	Bongaigaon II from 16.01.13 to 19.01.13.
		08-19'	240		205	205	0	2. Revised due to Emergency
	19th January 2013	00-08 17-24	450		415	182	233	shutdown of 400kV Malda- New Purnea-I on 18.01.13.
		08-17'	240		205	205	0	
	20th January 2013 to	00-17 23-24	450		415	182	233	
	31st January 2013	17-23	450		415	186	229	
WR								
		00-05	1830		1830		668	
	1st January 2013 to 7th January 2013	10-19 05-10	1850	0	1850	1162	008	
	7th January 2013	19-24	1950*		1950*		788*	
	8th January 2013	00-05 17-19	1830		1830		668	Revised due to shutdown of
		05-07' 19-24	1950*	0	1950*	1162	788*	400 kV Baripada-Kharagpur- Kolaghat.
		07-10'	1750*		1750*		588*	
		10-17' 00-05	1750		1750		588	
	9th January 2013 to	10-19	1830	0	1830	1162	668	-
	12th January 2013	05-10 19-24	1950*		1950*		788*	
SR		00-05	1830		1830		668	Revised due to shutdown of
	13th January 2013	05-19' 19-24	1170 1950*	0	1170 1950*	1162	8 788*	HVDC Talcher-Kolar Pole 1
		00-05	1830		1830		668	Revised due to shutdown of
	14th Januray 2013	05-19' 19-24	0 1950*	0	0 1950*	1162	0 788*	HVDC Talcher-Kolar Pole 2
		00-05			1930*			
	15th January 2012	16-19	1830			1160	668	Revised due to shutdown of 400
	15th January 2013	07-16' 05-07	1750	0	1750	1162	588	KV Kolaghat - Baripada
		19-24 00-05	1950*		1950*		788*	
	16th January 2013-31st	10-19	1830	0	1830	1162	668	
	January 2013	05-10 19-24	1950*		1950*		788*	

* additional 250 MW can be transferred to SR if injection point is South Odisha

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)	Comments
ER-NR + ER-NER	1st January 2013 to 31st January 2013	00-17 23-24	2700	350	2350	1395	955	
		17-23	2700		2350	1397	953	
NR	1st January 2013 to 31st January 2013	00-24	2300	500	1800	286	1514	
NER	1st January 2013 to	00-17 23-24	600	100	500	0	500	
	15th January 2013	17-23	300		200		200	
	16th January 2013 to	00-08 23-24	600	100	500	0	500	
	17th January 2013	08-17' 17-23	100 300	100	0 200	0	0 200	1. Revised due to Shutdown
	10.1 1 0010	00-08 23-24	600	100	500	0	500	of 400 kV Balipara – Bongaigaon II from 16.01.13 to 19.01.13.
	18th January 2013	08-19' 19-23	100 300	100	0 200		0 200	2. Revised due to Emergency shutdown of 400kV Malda-
	10.1 1 0012	00-08 23-24	600	100	500	0	500	New Purnea-I on 18.01.13.
	19th January 2013	08-17' 17-23	100 300	100	0 200	0	0 200	
	20th January 2013 to	00-17 23-24	600	100	500	0	500	
	31st January 2013	17-23	300		200		200	
WR								
SR	1st January 2013 to 31st January 2013	00-17 23-24	1700	0	1700	197	1503	
	5150 January 2015	17-23	1700		1700		1503	

Limiting Constraints

NR	Import	(n-1) contingency of 400 kV Farakka-Malda*	
		(n-1) contingency of 400 kV Bina-Gwalior*	
	Export	(n-1) contingency of 400 kV Pusauli-Biharsharif	
NER	Import	High Loading of 220 kV BTPS-Agia	
		High Loading of 220 kV Balipara-Samaguri	
		High Loading of 400/220 kV 315 MVA ICT at Misa*	
		(n-1) contingency of 400 kV Farakka-Malda*	
	Export	High loading of 132 kV LTPS - Marian	
		(n-1) contingency of 400 kV Binaguri-Bongaigaon*	
SR Import		(n-1) Coningency of 400kV Gooty-Somanhalli & 400kV Gooty-Nelamangala l	
		(n-1) contingency of 400 kV Rourkela-Talcher*	
		Low Voltage in Chennai Area	
		(n-1) contingency of 400 kV Vijaywada-Nellore	
	Export	(n-1) contingency of Chandrapur-Parli	
		(n-1) contingency of 400 kV Maithon Kahalgaon	
		(n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur	
ER-NR + ER-NER	Export	(n-1) contingency of 400 kV Farakka-Malda*	

ASSUMPTIONS IN BASECASE

		Loa	ad	Generation		
S.No.	Name of State/Area Peak Loa (MW)		Off Peak Load (MW)	Peak (MW)	Off Peak (MW)	
I	NORTHERN REGION					
1	Punjab	5260	3870	2340	2200	
2	Haryana	5160	4690	3430	3430	
3	Rajasthan	7310	6600	3980	3950	
4	Delhi	4060	3400	1420	1420	
5	Uttar Pradesh	10550	9300	5310	5220	
6	Jammu & Kashmir	1990	1400	310	250	
7	Uttarakhand	1330	1100	500	28	
8	Himachal Pradesh	1060	970	250	150	
9	Chandigarh	250	100	0	(
10	ISGS			15860	10570	
	Total NR	36970	31430	33400	27470	
	EASTERN REGION					
1	West Bengal	5300	4150	4600	3950	
2	Jharkhand	900	850	390	390	
3	Orissa	3000	2500	2800	2090	
4	Bihar	1500	1300	130	130	
5	Damodar Valley Corporation	2200	1900	1550	1550	
6	Sikkim	60	60	0	(
7	Bhutan	110	110	1400	1400	
8	ISGS	110	110	6300	5900	
	Total ER	13070	10870	17170	15410	
III	WESTERN REGION					
1	Chattisgarh	2770	2140	2520	1990	
2	Madhya Pradesh	7650	6230	3440	2800	
3	Maharashtra	15660	11910	13110	9450	
4	Gujarat	9910	7880	9930	7560	
5	Goa	330	200			
6	Daman and Diu	220	160			
7 8	Dadra and Nagar Haveli	530	240	13260	1170	
0	Total WR	37070	28760	42260	3350	
			20700			
IV	SOUTHERN REGION					
1	Andhra Pradesh	10480	9150	7830	588	
2	Tamil Nadu	10120	8950	4960	3800	
3	Karnataka	7640	6100	4500	3440	
4	Kerala	3240	2420	900	580	
5	Pondy	300	240			
6	Goa	80	80			
7	ISGS			11520	11300	
	Total SR	31860	26940	29710	25000	
v	NORTH-EASTERN REGION					
1	Manipur	100	60	0	(
2	Meghalaya	280	170	110	70	
3	Mizoram	70	40	10	1(
4	Nagaland	80	60	10	1(
5	Assam	880	570	270	220	
6	Tripura	210	150	100	90	
7	Arunachal Pradesh	100	30	0	(
	ISGS	0	0	820	42	
8		Ŷ	v			
8	Total NER	1720	1080	1320	820	