National Load Despatch Centre Total Transfer Capability for January 2013

Issue Date: 17/01/2013 Issue Time: 1230 hrs Revision No.13

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	
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-3	
WR-NR	16th January 2013 to	00-09 18-24	1700	200	1500	780	720	Revised due to Shutdown of 220kV	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	17th January 2013	09-18'	1600		1400		620	Kota-Badod	
	18th January 2013 to 31st January 2013	00-24	1700	200	1500	780	720		
VID 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				1770	280		
	3rd January 2013	23-24 17-23	2350	300	2050	1770	280	DVC LTA figures to NR included	
		00-10	2250		2050			Davised due to empresonal shutdown	
	4th January 2013	12-24	2350	300		1770	280	Revised due to emergency shutdown of 400 KV Kahalgaon - Biharsariff - II	
	5.1 Y 2012	10-12' 00-17	2250		1950	1770	180		
ER-NR#	5th January 2013 to 17th January 2013	23-24	2350	300	2050	1770	280		
	17th sundary 2015	17-23 00-11				1770	280		
	18th January 2013	19-24	2350	300	2050	1770	280	Revised due to Emergency shutdown	
		11-19'	1910		1610	1610	0	of 400kV Malda-New Purnea-I	
	19th January 2013 to	00-17 23-24	2350	300	2050	1770	280		
	31st January 2013	17-23	2000	500	2000	1770	280		
	1st January 2012 to	<u> </u>							
W3-ER	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		
		1							
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							
	1st January 2013 to	10-19	830	0	830	170	660	Revised due to full availability of ER ISGS, TSTPP st-II and less drawal by	
	7th January 2013	05-10	950*	O	950*	170	780*	Odisha.	
		19-24 00-05	000		0.00	4=0			
		17-19	830	0	830	170	660		
	8th January 2013	05-07' 19-24	950*	0	950*	170	780*	Revised due to shutdown of 400 kV Baripada-Kharagpur-Kolaghat.	
		07-10'	750*	0	750*	170*	580*	Darpada Hanagpur Hongian.	
		10-17'	750	0	750	170	580		
	9th January 2013 to	00-05 10-19	830		830	4=0	660		
ER-SR	12th January 2013	05-10	950*	0	950*	170	780*		
		19-24 00-05	830		830		660		
	13th January 2013	05-19'	170	0	170	170	0	Revised due to shutdown of HVDC Talcher-Kolar Pole 1	
		19-24	950*		950*		780*	Talcher-Kolai Fole 1	
	14th Januray 2013	00-05 05-19'	830	0	830	170	660	Revised due to shutdown of HVDC	
	14th Januaray 2015	19-24	950*	Ŭ	950*	170	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	
		05-07	950*		950*		780*	Kolaghat - Baripada	
	,				750		700		
		19-24	930		830				
	16th January 2013-		830	0	830	170	660		
		19-24 00-05 10-19 05-10		0	830 950*	170	660 780*		
	16th January 2013- 31st January 2013	19-24 00-05 10-19 05-10 19-24	830 950*	0	950*	170	780*		
SR-ER	16th January 2013-	19-24 00-05 10-19 05-10	830	0		170 197			

National Load Despatch Centre Total Transfer Capability for January 2013

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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	
	1st January 2013 to	00-17	450	25	415	182	233		
	15th January 2013	23-24 17-23	450	35	415	186	229		
	16th January 2013 to	00-08	450		415	182	233		
	17th January 2013	17-24 08-17'	240	35	205	205	0	1. Revised due to Shutdown of 400	
		00-08	450		415	182	233	kV Balipara – Bongaigaon II from 16.01.13 to 19.01.13.	
ER-NER#	18th January 2013	19-24		35				2. Revised due to Emergency	
		08-19' 00-08	240		205	205	0	shutdown of 400kV Malda-New	
	19th January 2013	17-24	450	35	415	182	233	Purnea-I on 18.01.13.	
		08-17' 00-17	240		205	205	0		
	20th January 2013 to 31st January 2013	23-24	450	35	415	182	233		
	313t Junuary 2013	17-23	450		415	186	229		
	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		500	_	500		
	17th January 2013	08-17'	100	100	0	0	0		
		17-23 00-08	300		200		200	Revised due to Shutdown of 400 kV Balipara – Bongaigaon II from	
NER-ER#	19th January 2012	23-24	600	100	500	0	500	16.01.13 to 19.01.13. 2. Revised due to Emergency shutdown of 400kV Malda-New Purnea-I on 18.01.13.	
NEK-EK#	18th January 2013	08-19'	100	100	0	U	0		
		19-23 00-08	300		200		200		
	19th January 2013	23-24	600	100	500	0	500		
		08-17' 17-23	100 300		200	_	200		
	20th January 2013 to	00-17							
	31st January 2013	23-24	600	100	500	0	500		
	-	17-23	300		200		200		
S1-S2	1st January 2013 to 31st January 2013	00-24	5500	200	5300	4000	1300		
Import of Punjab	1st January 2013 to 31st January 2013	00-24	5400	300	5100	3243	1857		
Import TTC for DD & DNH	1st January 2013 to 31st January 2013	00-24	980	0	980	LTA and MTO			
	1st January 2013 to	00-18, 22-24	7000	200	6800	6400	400	6400 MW corresponds to maximum effective LTA from W3. Export Margin from W3 would vary on daily basis as per the Declared	
	4th January 2013	18-22						daily basis as per the Declared	
		10-22	7500		7300	0400	900	daily basis as per the Declared Capability (DC) of generators scheduling power on long term basis in the zone.	
		00-08'	7500 8000		7300 7800	0.100	900	Capability (DC) of generators scheduling power on long term basis	
	5th January 2013			200				Capability (DC) of generators scheduling power on long term basis	
	5th January 2013	00-08'	8000	200	7800	6400	1400	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with	
	5th January 2013	00-08' 08-17'	8000 7500	200	7800 7300		1400 900	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of	
W3 zone	6th January 2013 to	00-08' 08-17' 17-23'	8000 7500 8000	200	7800 7300 7800		1400 900 1400	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from	
W3 zone Injection	,	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23'	8000 7500 8000 7500		7800 7300 7800 7300	6400	1400 900 1400 900	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-	
	6th January 2013 to 7th January 2013	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23' 00-17,	8000 7500 8000 7500 7500	200	7800 7300 7800 7800 7300	6400 6400 6400	1400 900 1400 900 900	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from	
	6th January 2013 to	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23'	8000 7500 8000 7500 7500 8000	200	7800 7300 7800 7300 7300 7300	6400	1400 900 1400 900 900 1400	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from	
	6th January 2013 to 7th January 2013	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23' 00-17, 23-24 17-23 00-08	8000 7500 8000 7500 7500 8000 8000 8500 8000	200	7800 7300 7800 7300 7300 7300 7300 7800 78	6400 6400 6400	1400 900 1400 900 900 1400 1400 1400	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from	
	6th January 2013 to 7th January 2013	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23' 00-17, 23-24 17-23' 00-18 00-08	8000 7500 8000 7500 7500 8000 8000 8500 8000 7500	200	7800 7300 7800 7300 7300 7300 7300 7800 78	6400 6400 6400	1400 900 1400 900 900 1400 1400 1400 140	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from 05.01.13 to 07.01.13.	
	6th January 2013 to 7th January 2013 8th January 2013	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23' 00-17, 23-24 17-23 00-08 08-17' 17-23 23-24	8000 7500 8000 7500 7500 8000 8000 8500 8000 7500 8000 7500	200	7800 7300 7800 7300 7300 7300 7800 7800	6400 6400 6400	1400 900 1400 900 900 1400 1400 1400 1400 1400 900	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from 05.01.13 to 07.01.13.	
	6th January 2013 to 7th January 2013 8th January 2013	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23' 00-17, 23-24 17-23 00-08 08-17' 17-23 23-24 00-17	8000 7500 8000 7500 7500 8000 8000 8500 8000 7500 8000 7500 7500	200	7800 7300 7800 7300 7300 7300 7800 7800	6400 6400 6400	1400 900 1400 900 900 1400 1400 1400 1400 900 1400 900 900	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from 05.01.13 to 07.01.13.	
	6th January 2013 to 7th January 2013 8th January 2013	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23' 00-17, 23-24 17-23 00-08 08-17' 17-23 23-24 00-17 17-19	8000 7500 8000 7500 8000 7500 8000 8000	200	7800 7300 7800 7300 7300 7800 7800 7800	6400 6400 6400	1400 900 1400 900 900 1400 1400 1400 1400 900 1400 900 900 1400	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from 05.01.13 to 07.01.13. Revised due to shutdown of 765 kV Seoni-Wardha I from 09.01.13 to	
	6th January 2013 to 7th January 2013 8th January 2013 9th January 2013	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23' 00-17, 23-24 17-23 00-08 08-17' 17-23 23-24 00-17 17-19-23 23-24	8000 7500 8000 7500 7500 8000 8000 8500 8000 7500 8000 7500 7500	200 200 200 200	7800 7300 7800 7300 7300 7300 7800 7800	6400 6400 6400 6400	1400 900 1400 900 900 1400 1400 1400 1400 900 1400 900 900	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from 05.01.13 to 07.01.13. Revised due to shutdown of 765 kV Seoni-Wardha I from 09.01.13 to	
	6th January 2013 to 7th January 2013 8th January 2013 9th January 2013	00-08' 08-17' 17-23' 23-24 00-17' 23-24 17-23' 00-17, 23-24 17-23 00-08 08-17' 17-23 23-24 00-17, 17-23	8000 7500 8000 7500 7500 8000 8000 8500 8000 7500 8000 7500 8000 8000 8000 8000	200 200 200 200	7800 7300 7300 7300 7300 7300 7800 7800	6400 6400 6400 6400	1400 900 1400 900 900 1400 1400 1400 900 1400 900 1400 900 1400 1900	Capability (DC) of generators scheduling power on long term basis in the zone. 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from 05.01.13 to 07.01.13. Revised due to shutdown of 765 kV Seoni-Wardha I from 09.01.13 to	

National Load Despatch Centre Total Transfer Capability for January 2013

Issue Date: 17/01/2013 Issue Time: 1230 hrs Revision No.13

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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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 (n-1) Coningency of 400kV Gooty-Somanhalli & 400kV Gooty-Nelamangala l
SR-WR	Bhadrawati HVDC B/B link capacity
ER-SR	(n-1) contingency of 400 kV Rourkela-Talcher* Low Voltage in Chennai Area (n-1) contingency of 400 kV Vijaywada-Nellore*
SR-ER	(n-1) contingency of 400 kV Farakka-Malda* (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
ER-NER	(n-1) contingency of 400 kV Farakka-Malda* 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, 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

¹⁾ ER-SR TTC declared at Talcher Interconnector and Gazuwaka HVDC B/B seam
2) ^SI comprises of AP and Karnataka: S2 comprises of Tamil Nadu, Kerala and Pondicherry
3) W3 comprises of the following regional entities and would be operational wef 0000 hrs of 18th September 2012
a) Chattisgarh, b) Jindal Power Limited (JPL), 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
* additional 250 MW can be transferred to SR if injection point is South Odisha

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 17-23	4050	500	3550 3550	2550 2550	1000	LTA revised due to commissioning of CGPL uni	
	4th January 2013	00-17 23-24 17-23	4050 3950	500	3550 3450	2550 2550	1000	Revised due to emergency shutdown of 400 KV Kahalgaon - Biharsariff - II	
	5th January 2013 to 15th January 2013	00-17 23-24 17-23	4050	500	3550	2550	1000	realization Distriction in	
NR#	16tth January 2013 to 17th January 2013	00-09 18-24	4050	500	3550 3550	2550 2550	1000	Revised due to Shutdown of 220kV Kota-Badod	
	18th January 2013	09-18' 00-11 19-24	3950 4050	500	3450 3550	2550	900	Revised due to Emergency shutdown of 400kV Malda-	
	19th January 2013 to 31st January 2013	11-19' 00-17 23-24	3610 4050	500	3110 3550	2550 2550	1000	New Purnea-I	
	1st January 2013 to 15th January 2013	17-23 00-17 23-24	450	35	3550 415	2550 182	233		
	16th January 2013 to 17th January 2013	17-23 00-08 17-24	450 450	35	415	186 182	229	Revised due to Shutdown	
NER#	18th January 2013	08-17' 00-08 17-24	240 450	35	205 415	205 182	233	of 400 kV Balipara – Bongaigaon II from 16.01.13 to 19.01.13.	
	19th January 2013	08-19' 00-08 17-24	240 450	35	205 415	205 182	233	2. Revised due to Emergency shutdown of 400kV Malda- New Purnea-I on 18.01.13.	
	20th January 2013 to 31st January 2013	08-17' 00-17 23-24	450	35	205 415	205 182	233		
WR	-	17-23	450		415	186	229		
	1st January 2013 to	00-05 10-19	1830	0	1830	1162	668		
	7th January 2013	05-10 19-24 00-05	1950* 1830		1950* 1830	1102	788* 668		
	8th January 2013	17-19 05-07' 19-24	1950*	0	1950*	1162	788*	Revised due to shutdown of 400 kV Baripada-Kharagpur- Kolaghat.	
	9th January 2013 to	07-10' 10-17' 00-05 10-19	1750* 1750 1830		1750* 1750 1830		588* 588 668		
SR	12th January 2013	05-10 19-24 00-05	1950* 1830	0	1950* 1830	1162	788* 668		
	13th January 2013	05-19' 19-24 00-05	1170 1950* 1830	0	1170 1950* 1830	1162	8 788* 668	Revised due to shutdown of HVDC Talcher-Kolar Pole 1	
	14th Januray 2013	05-19' 19-24 00-05	0 1950*	0	0 1950*	1162	0 788*	Revised due to shutdown of HVDC Talcher-Kolar Pole 2	
	15th January 2013	16-19 07-16' 05-07	1830 1750 1950*	0	1830 1750 1950*	1162	668 588 788*	Revised due to shutdown of 400 KV Kolaghat - Baripada	
	16th January 2013-31st	19-24 00-05 10-19	1830	0	1830	1162	668		
	January 2013	05-10 19-24	1950*	0 is South Odish	1950*	1162	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	
DIC I (DIC	<u> </u>	17-23	2700		2350	1397	953	
NR	1st January 2013 to 31st January 2013	00-24	2300	500	1800	286	1514	
	1st January 2013 to	00-17 23-24	600	100	500	0	500	1. Revised due to Shutdown of 400 kV Balipara – Bongaigaon II from 16.01.13 to 19.01.13. 2. Revised due to Emergency shutdown of 400kV Malda- New Purnea-I on 18.01.13.
	15th January 2013	17-23	300		200		200	
	16th January 2013 to 17th January 2013	00-08 23-24	600	100	500	0	500	
		08-17'	100		0		0	
		17-23	300		200		200	
NED#	18th January 2013	00-08 23-24	600	100	500		500	
NER#		08-19'	100		0		0	
		19-23	300		200		200	
	40.1.7	00-08 23-24	600	100	500	0	500	
	19th January 2013	08-17'	100	100	0		0	
		17-23	300		200		200	
	20th January 2013 to 31st January 2013	00-17 23-24	600	100	500	0	500	
	51st January 2015	17-23	300		200		200	
WR								
SR	1st January 2013 to 31st January 2013	00-17 23-24	1700	0	1700	197	1503	
	31st January 2013	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

		Lo	ad	Generation		
S.No.	Name of State/Area	Peak Load (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	280	
8	Himachal Pradesh	1060	970	250	150	
9	Chandigarh	250	100	0	(
10	ISGS			15860	10570	
	Total NR	36970	31430	33400	27470	
				00100		
II	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			0		
7	Bhutan	60	60		4400	
8	ISGS	110	110	1400	1400	
	Total ER	12070	40970	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	•	330	200	9930	7560	
6	Goa Daman and Diu	220				
		-	160			
7	Dadra and Nagar Haveli	530	240	40000	4470	
8	ISGS			13260	11700	
	Total WR	37070	28760	42260	33500	
	001171177117711771					
IV	SOUTHERN REGION					
1	Andhra Pradesh	10480	9150	7830	5880	
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	
٧	NORTH-EASTERN REGION					
1	Manipur	100	60	0	(
2	Meghalaya	280	170	110	70	
3	Mizoram	70	40	10	10	
4	Nagaland	80	60	10	10	
5	Assam	880	570	270	220	
6	Tripura	210	150	100	90	
7	Arunachal Pradesh	100	30	0	(
8	ISGS	0	0	820	420	
	Total NER	1720	1080	1320	820	
	Total All India	120690	99080	123860	10220	