National Load Despatch Centre **Total Transfer Capability for June 2013**

Issue Date: 23/06/2013

Issue Time: 1200 hrs

Revision No. 15

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	has been dor Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access	Margin Available for Short Term Open Access	Changes in TTC w.r.t. Last	Comments
NR-WR	1st June 2013 to 30th June 2013	00-24	2500	500	2000	(MTOA) 286	(STOA) 1714	Revision	Revised due to commissioning of 765 kV Agra-Jhatikara.
	1st June 2013 to 9th June 2013	00-24	5700 [∆]	500	5200^{Δ}	2787^{Δ}	2413		Revised due to commissioning of 765 kV Agra-Jhatikara.
	10th June 2013	00-08'	5700 [∆]	500	5200^{Δ}	2787^{Δ}	2413		Revised due to deferrment of 765
	Totil Julie 2015	08-24'	5700 [∆]	500	5200^{Δ}	2787^{Δ}	2413		kV Agra-Jhatikara Shutdown.
WR-NR ¹	11th June 2013	00-07'	5700 ^Δ	500	5200^{Δ}	2787^{Δ}	2413		
W K-1 (K	11th June 2013	07-24'	3100 ^Δ	300	2800^{Δ}	2787^{Δ}	13		Revised due to Shutdown of 765 kV
	12th June 2013	00-24	3100 [∆]	300	2800^{Δ}	2787^{Δ}	13		Agra-Jhatikara.
	13th June 2013 to 30th June 2013	00-24	5700 [∆]	500	5200^{Δ}	2787^{Δ}	2413		Revised due to commissioning of 765 kV Agra-Jhatikara.
	1st June 2013 to	00-17	1000		800		800		
NR-ER	30th June 2013	23-24		200		0			
		17-23 00-09	1100 3600	300	900 3300	1913	900 1387		
	1st June 2013	09-18'	3000	300	2700	1913	787		Revised due to shutdown of 400 kV
		18-24	3600	300	3300	1913	1387		Kahalgaon-Biharshariff 1
	2nd June 2013	00-24	3600	300	3300	1913	1387		
		00-09	3600	300	3300	1913	1387		Revised due to shutdown of 400 kV
	3rd June 2013	09-18'	3000	300	2700	1913	787		Kahalgaon-Biharshariff 2
_		18-24	3600	300	3300	1913	1387		
ER-NR	4th June 2013	00-09 18-24	3600	300	3300	1913	1387		Revised due to shutdown of 400 kV Kahalgaon-Biharshariff ckt-1.
_		09-18'	3000	300	2700	1913	787		
	5th June 2013	00-09 18-24	3600	300	3300	1913	1387		Revised due to shutdown of 400 kV
_		09-18'	3000	300	2700	1913	787		Kahalgaon-Biharshariff ckt-1.
	6th June 2013 to	00-17	2600	200	2200	1913	1387		
	30th June 2013	23-24 17-23	3600	300	3300	1913	1387		
				200			1250		
W3-ER	1st June 2013 to	00-24	1650	300	1350	0	1350		
	30th June 2013 1st June 2013 to								
W3-ER ER-W3	30th June 2013	00-24 00-24	1650 1000	300	1350 700	0 700	0		
ER-W3	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013								Revised due to change in LTA/MTOA quantum.
	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 to 30th June 2013	00-24	1000	300	700	700	0		0
ER-W3	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 to 16th June 2013 to	00-24	1000	300 0	700	700	0		0
ER-W3 WR-SR	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 to 30th June 2013 1st June 2013 to	00-24 00-24 00-24 00-24	1000 1000 1000 1000	300 0 0	700 1000 1000 1000	700 1000 1000	0		0
ER-W3 WR-SR	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 to 30th June 2013 1st June 2013 to 30th June 2013 to 30th June 2013	00-24 00-24 00-24 00-24 00-25	1000 1000 1000	300 0 0	700 1000 1000	700 1000 1000 0	0		quantum.
ER-W3 WR-SR	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 to 30th June 2013 1st June 2013 to	00-24 00-24 00-24 00-24 00-05 10-19 05-10	1000 1000 1000 1000	300 0 0	700 1000 1000 1000	700 1000 1000	0 0 0 1000		quantum.
ER-W3 WR-SR	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 16th June 2013 1st June 2013 1st June 2013 1st June 2013 1st June 2013 to 12th June 2013	00-24 00-24 00-24 00-24 00-05 10-19 05-10 19-24 00-08	1000 1000 1000 1000 1000	300 0 0 0	700 1000 1000 1000 1000	700 1000 1000 0	0 0 0 1000 888		quantum. Revised considering present loading o 400KV Rourkela-Talcher D/C Revised due to Emergency shutdown
ER-W3 WR-SR	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 to 30th June 2013 1st June 2013 to 30th June 2013	00-24 00-24 00-24 00-24 00-05 10-19 05-10 19-24	1000 1000 1000 1000 1000	300 0 0	700 1000 1000 1000 1000 1000	700 1000 1000 0 112	0 0 0 1000 888 888		quantum. Revised considering present loading o 400KV Rourkela-Talcher D/C
ER-W3 WR-SR SR-WR	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 16th June 2013 to 30th June 2013 1st June 2013 to 30th June 2013 to 1st June 2013 1st June 2013 1st June 2013 1st June 2013	00-24 00-24 00-24 00-24 00-24 00-05 10-19 05-10 19-24 00-08 19-24 08-19' 00-07	1000 1000 1000 1000 1000 1000 1000 700	300 0 0 0 0	700 1000 1000 1000 1000 1000 700	700 1000 0 112 112 112 700	0 0 0 1000 888 888 888 888 888 0		quantum. Revised considering present loading o 400KV Rourkela-Talcher D/C Revised due to Emergency shutdown o Talcher-Kolar HVDC Pole-2.
ER-W3 WR-SR	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 16th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 12th June 2013 13th June 2013 13th June 2013	00-24 00-24 00-24 00-24 00-24 00-05 10-19 05-10 19-24 00-08 19-24 08-19' 00-07 18-24	1000 1000 1000 1000 1000 1000 1000 100	300 0 0 0	700 1000 1000 1000 1000 1000 1000 700	700 1000 1000 0 112 112	0 0 0 1000 888 888 888 888 0 888		Revised considering present loading of 400KV Rourkela-Talcher D/C Revised due to Emergency shutdown of
ER-W3 WR-SR SR-WR	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 16th June 2013 to 30th June 2013 1st June 2013 to 30th June 2013 to 1st June 2013 1st June 2013 1st June 2013 1st June 2013	00-24 00-24 00-24 00-24 00-24 00-05 10-19 05-10 19-24 00-08 19-24 00-08 19-24 00-07 18-24 07-18'	1000 1000 1000 1000 1000 1000 1000 700	300 0 0 0 0	700 1000 1000 1000 1000 1000 700	700 1000 0 112 112 112 700	0 0 0 1000 888 888 888 888 888 0		quantum. Revised considering present loading of 400KV Rourkela-Talcher D/C Revised due to Emergency shutdown of Talcher-Kolar HVDC Pole-2. Revised due to shutdown of 400 kV
ER-W3 WR-SR SR-WR	30th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 15th June 2013 16th June 2013 1st June 2013 to 30th June 2013 1st June 2013 to 12th June 2013 13th June 2013 13th June 2013	00-24 00-24 00-24 00-24 00-24 00-05 10-19 05-10 19-24 00-08 19-24 08-19' 00-07 18-24	1000 1000 1000 1000 1000 1000 1000 100	300 0 0 0 0	700 1000 1000 1000 1000 1000 1000 700	700 1000 0 112 112 112 700	0 0 0 1000 888 888 888 888 0 888		quantum. Revised considering present loading of 400KV Rourkela-Talcher D/C Revised due to Emergency shutdown of Talcher-Kolar HVDC Pole-2. Revised due to shutdown of 400 kV

1000

1000

612

388

388

00-05

10-19

05-10

19-24

20th June 2013 to

30th June 2013

1000

1000

0

National Load Despatch Centre Total Transfer Capability for June 2013

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Corridor	# against any corrido Date	Time Period (hrs)	Total Transfer Capability (TTC)	n has been dor Reliability Margin	ne for this corri Available Transfer Capability (ATC)	dor 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
SR-ER	1st June 2013 to 30th June 2013	00-17 23-24 17-23	700 700	0	700	197	503 503		
		17-23	700		700		503		
	1st June 2013 to 8th June 2013	00-07 18-24	575	35	540	230	310		Revised due to shutdown of 400 kV Binaguri-Bongoigaon ckt 2
	9th June 2013 to	07-18'	400		365	230	135		
	11th June 2013	00-24	575	35	540	230	310		
	12th June 2013 to 13th June 2013	00-08 18-24	575	35	540	230	310		Revised due to shutdown of 400 kV Binaguri-Bongoigaon ckt 2
		08-18'	400		365	230	135		Revised due to cancellation of 400
ER-NER	14th June 2013 to 15th June 2013	00-24	575	35	540	230	310		kV Binaguri-Bongaigaon ckt-2 shutdown.
	16th June 2013	00-24	575	35	540	230	310		Revised due to cancellation of 400 kV Binaguri-Bongaigaon ckt-2 shutdown.
	17th June 2013 to 21st June 2013	00-24	575	35	540	230	310		
	22nd June 2013 to	00-08 18-24	575	35	540	230	310		Revised due to shutdown of 400
	24th June 2013	08-18'	400		365	230	135		kV Binaguri-Bongoigaon ckt-2
	25th June 2013 to 30th June 2013	00-08 18-24	575	35	540	230	310		Revised due to shutdown of 400 kV Binaguri-Bongoigaon ckt-1
		08-18' 00-17	400		365	230	135		
	1st June 2013 to	23-24	520	100	420	0	420		
	23rd June 2013	17-23	320		220		220		
NER-ER#	24th June 2013 to	00-08 23-24	520	100	420	0	420		Revised due to shutdown of 400 kV
	30th June 2013	08-17'	400	100	300	0	300	120	Binaguri-Bongoigaon ckt-1/2
		17-23	320		220		220		
64 6	1st June 2013 to 15th June 2013	00-24	5400	200	5200	3800	1400		Revised due to Non-commissioning Kudamkulam unit-1 and change in LTA quantum as Talcher unit-4 has
S1-S2	16th June 2013 to 30th June 2013	00-24	5400	200	5200	4500	700		gone under annual maintenance from 00:00 Hrs of 27.05.2013 to 30.06.2013.
Import of Punjab	1st June 2013 to 30th June 2013	00-24	5600	300	5300	3475	1825		LTA/MTOA quantum revised due to change in Allocation.
Import TTC for DD & DNH	1st June 2013 to 30th June 2013	00-24	980	0	980	LTA and MTO. scheo			
		00-08	9000		8800		1970		
	1st June 2013	08-17' 23-24	8000	200	7800	6830	970		Revised due to shutdown of 400 kV
		17-23	8500		8300 7800		1470 970		Raipur-Wardha D/C from 01st June 2013 to 2nd June 2013
11/2	2-4 1 2012	00-17 17-19	8000 8500	200	8300	6920	970		2015 to 2hd June 2015
W3 zone Injection	2nd June 2013	19-23	9500	200	9300	6830	2470		
injection	3rd June 2013 to	23-24	9000		8800		1970		
		00-17, 23-24	9000	200	8800	6830	1970		
	15th June 2013	23-24		200					
	15th June 2013	17-23	9500	200	9300		2470		
	15th June 2013 16th June 2013 to 30th June 2013		9500 9000	200	9300 8800	7630	2470 1170		

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

National Load Despatch Centre Total Transfer Capability for June 2013

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against any corridor indicates that revision has been done for this corridor

			Total		Available	Long Term	Margin	Changes	
		Time	Transfer	Reliability	Transfer	Access (LTA)/	Available for	in TTC	
Corridor	Date	Period	Capability		Capability	Medium Term	Short Term	w.r.t.	Comments
		(hrs)	1 0	Margin	1 0	Open Access	Open Access	Last	
			(TTC)		(ATC)	(MTOA)	(STOA)	Revision	

3) W3 comprises of the following regional entities :

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

g) In cases where TTC is revised on account of any transmission element shutdown, the revised TTC shall be effective till the time the transmission element under shutdown is restored back.

A. includes 1500 MW on the dedicated Mundra-Mohindergarh HVDC bipole of M/s Adani Power Limited which is scheduled separately from the generation at stage-III of APL Mundra (3*660 MW).

1. WR-NR Total Transfer capability will be reduced to 3100 MW in case of outage of any one of the following sections:

• 765 kV Agra-Jhatikara

• One of the 765/400 kV 1500 MVA ICT at Agra

- 765 kV Gwalior-Agra one circuit
- 765 kV Bina-Gwalior one circuit

Limiting Constraints

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
WR-NR	(n-1) contingency of 765/400 kV ICT at Agra
NR-ER	(n-1) contingency of 400 kV Allahabad-Pusauli
ER-NR	Outage in 400 kV Purnea-Muzaffarpur Section
W3-ER	(n-1) contingency of either 400 kv Mejia-Maithon or
	(n-1) contingency of 400 kv MPL -maithon
ER-W3	High loading of 400 kV Raipur-Bhadrawati T/C, Bhilai-Bhadrawati S/C, Bhilai-Koradi and Bhilai-Seoni*
EK-W5	(n-1) contingency of 400kV Rourkela-Raigarh
WR-SR	Bhadrawati HVDC B/B link capacity
SR-WR	Bhadrawati HVDC B/B link capacity
ER-SR	(n-1) contingency of 400 kV Rourkela-Talcher
SR-ER	
	(n-1) contingency of 400 kV Farakka-Malda*
ER-NER	High Loading of 220 kV BTPS-Agia
	(n-1) contingency of 400 kV Balipara – Bongaigaon
NER-ER	(n-1) contingency of 400 kV Balipara-Bongaigaon-I
	(n-1) contingency of 220 kV Samaguri – Saruajai I*
S1-S2	(n-1) contingency of 400 kV Hosur-Salem D/C line, 400kV Hosur-Salem & 400kV Somanahalli-Salem SC line.
Import of	(n-1) contingency of ICT at Patiala/Moga
Punjab	(ii 1) contingency of fe'r ac'r adaiae moga
W3 zone	(n-1-1) contingency of 400 kV Raipur-Bhadrawati D/C section
Injection	(1-1-1) contingency of 400 k v Kaipar-Bhadrawan D/C section
	*Dimension 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									
		00-09	9300 [∆]	800	8500^{Δ}	4300	4200		
	1st June 2013	09-18'	8700^{Δ}	800	7900^{Δ}	4300	3600		Revised due to shutdown of 400 kV Kahalgaon-Biharshariff 1
		18-24	9300 [∆]	800	8500^{Δ}	4300	4200		
	2nd June 2013	00-24	9300^{Δ}	800	8500^{Δ}	4300	4200		
		00-09	9300^{Δ}	800	8500^{Δ}	4300	4200		
	3rd June 2013	09-18'	8700^{Δ}	800	7900^{Δ}	4300	3600	1	Revised due to shutdown of 400 kV
		18-24	9300 [∆]	800	8500 ^Δ	4300	4200		Kahalgaon-Biharshariff 2
	4th June 2013	00-09 18-24	9300 ^Δ	800	8500 [∆]	4300	4200		Revised due to shutdown of 400 kV
NR ¹		09-18'	8700^{Δ}	800	7900^{Δ}	4300	3600		Kahalgaon-Biharshariff 1
	5th June 2013	00-09 18-24	9300^{Δ}	800	8500^{Δ}	4300	4200		Revised due to shutdown of 400 kV
		09-18'	8700^{Δ}	800	7900^{Δ}	4300	3600		Kahalgaon-Biharshariff 1
	6th June 2013 to 09th June 2013	00-24	9300^{Δ}	800	8500^{Δ}	4300^{Δ}	4200		
	10th June 2013	00-08'	9300^{Δ}	800	8500^{Δ}		4200		Revised due to deferrment of 765 kV
		08-24'	9300 [∆]	800	8500 ^Δ	4300^{Δ}	4200		Agra-Jhatikara Shutdown.
	11th June 2013	00-07'	9300^{Δ}	800	8500^{Δ}	4300^{Δ}	4200		Revised due to Shutdown of 765 kV
	Thir Julie 2013	07-24'	6700^{Δ}	600	6100^{Δ}		1400		Agra-Jhatikara.
	12th June 2013	00-24	6700^{Δ}	600	6100^{Δ}	4300^{Δ}	1400		
	13th June 2013 to 30th June 2013	00-24	9300^{Δ}	800	8500^{Δ}	4300^{Δ}	4200		
	1st June 2013 to 08th June 2013	00-07 18-24	575	35	540	230	310		Revised due to shutdown of 400 kV Binaguri-Bongoigaon ckt 2
		07-18'	400		365	230	135		k v Dinagan Dongoigaon ekt 2
	9th June 2013 to 11th June 2013	00-24	575	35	540	230	310		
	12th June 2013 to 13th June 2013	00-08 18-24	575	35	540	230	310		Revised due to shutdown of 400 kV Binaguri-Bongoigaon ckt 2
	15th Julie 2015	08-18'	400		365	230	135		0 0 0
NED	14th June 2013 to 15th June 2013	00-24	575	35	540	230	310		Revised due to cancellation of 400 kV Binaguri-Bongaigaon ckt-2 shutdown.
NER	16th June 2013	00-24	575	35	540	230	310		Revised due to cancellation of 400 kV Binaguri-Bongaigaon ckt-2 shutdown
	17th June 2013 to 21st June 2013	00-24	575	35	540	230	310		
	22nd June 2013 to	00-08 18-24	575	35	540	230	310		Revised due to shutdown of 400
	24th June 2013	08-18'	400		365	230	135		kV Binaguri-Bongoigaon ckt-2
	25th June 2013 to	00-08 18-24	575	35	540	230	310		Revised due to shutdown of 400
	30th June 2013	08-18'	400		365	230	135		kV Binaguri-Bongoigaon ckt-1
WP									
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 2013 to	00-05 10-19	2000	0	2000	1112	888		Revised due to Non-commissioning Kudamkulam unit-1 and change in LTA	
	15th June 2013	05-10 19-24	2000	0	2000	1112	888		quantum.	
	13th June 2013	00-08 3 19-24	2000	0	2000	1112	888		Revised due to Emergency shutdown of Talcher-Kolar HVDC Pole-2.	
		08-19'	1700		1700	1700	0			
SR	14th June 2013 to 15th June 2013	00-07 18-24	2000	0	2000	1112	888		Revised due to shutdown of 400 kV Rourkela-Talcher ckt-1/2	
	13ul Julie 2013	07-18'	1600		1600		488			
	16th June 2013 to 30th June 2013	00-07 18-24	2000	0	2000	1612	388		Revised due to shutdown of 400 kV Rourkela-Talcher ckt-1/2	
		07-18'	1600		1600		0			
	16th June 2013 to	00-05 10-19	2000	0	2000	1612	388			
	30th June 2013	05-10 19-24	2000	0	2000	1612	388			

Δ. includes 1500 MW on the dedicated Mundra-Mohindergarh HVDC bipole of M/s Adani Power Limited which is scheduled separately from the generation at stage-III of APL Mundra (3*660 MW).

1. WR-NR Total Transfer capability will be reduced to 3100 MW in case of outage of any one of the following sections:

• 765 kV Agra-Jhatikara

• One of the 765/400 kV 1500 MVA ICT at Agra

• 765 kV Gwalior-Agra one circuit

• 765 kV Bina-Gwalior one circuit

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 June 2013 to 30th June 2013	00-17 23-24	3500	700	2800	286	2514		
	3000 Julie 2013	17-23	3600		2900		2614		
	1st June 2013 to 23rd June 2013	00-17 23-24	520	100	420	0	420		
		17-23	320		220		220		
NER#	24th June 2013 to	00-08 23-24	520	100	420	0	420		Revised due to shutdown of 400 kV
	30th June 2013	08-17'	400	100	300		300	120	Binaguri-Bongoigaon ckt-1/2
		17-23	320		220		220		
WD									
WR									
SR	1st May 2013 to	00-17 23-24	1700	0	1700	197	1503		
	31st May 2013	17-23	1700		1700		1503		

Limiting Constraints

NR	Import	(n-1) contingency of 400 kV Farakka-Malda* (n-1) contingency of 765/400 kV ICT at Agra*
	Export	(n-1) contingency of 400 kV Allahabad-Pusauli
	Import	High Loading of 220 kV BTPS-Agia
		(n-1) contingency of 400 kV Balipara – Bongaigaon-I
NER		(n-1) contingency of 400 kV Farakka-Malda*
	Export	(n-1) contingency of 220 kV Samaguri – Saruajai I*
		(n-1) contingency of 400 kV Balipara-Bongaigaon-I
	Import	(n-1) contingency of 400 kV Rourkela-Talcher*
SR		Bhadrawati HVDC B/B link capacity.
	Export	Bhadrawati HVDC B/B link capacity.

*Primary constraints

ASSUMPTIONS IN BASECASE

		Lo	ad	Gener	ation
S.No.	Name of State/Area	Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	5637	5311	2111	2126
2	Haryana	5363	5014	3289	3289
3	Rajasthan	6574	5912	3466	3472
4	Delhi	4605	3932	1416	1416
5	Uttar Pradesh	10824	10831	6163	5976
6	Jammu & Kashmir	1825	1671	604	592
7	Uttarakhand	1476	1081	757	673
8	Himachal Pradesh	1043	943	590	493
9	Chandigarh	227	192	0	0
10	ISGS			16916	1462
	Total NR	37574	34888	35312	3260
	EASTERN REGION				
1	West Bengal	0050	5000	4000	200
2	Jharkhand	6658	5280	4836	36
3	Orissa	1035	715 2530	483	54
4	Bihar	3597 1743	2530 1430	2451 101	16 [.] 10
5	Damodar Valley Corporation	2461	2310	2954	29
6	Sikkim	45	45	2954	29
7	Bhutan	112	43	275	20
8	ISGS	112	112	7384	58
-	Total ER	15651	12422	18484	149
III	WESTERN REGION				
1	Chattisgarh	2977	2132	2518	198
2	Madhya Pradesh	7112	4894	3601	28
3	Maharashtra	15798	12916	13113	94
4	Gujarat	10470	8369	10918	77
6	Goa Daman and Diu	327	198		
7	Dadra and Nagar Haveli	260	181		
8	ISGS	612	479	13063	119
	Total WR	37556	29169	43213	340
		0.000	10.00		0.0
IV	SOUTHERN REGION				
1	Andhra Pradesh	10283	9413	7290	65
2	Tamil Nadu	10813	9100	6050	54
3	Karnataka	8503	7453	4779	42
4	Kerala	3254	2414	2007	7
5	Pondy	313	241		
6	Goa	84	84		
7	ISGS			10846	100-
	Total SR	33250	28705	30972	2704
v	NORTH-EASTERN REGION				
1	Manipur	110	203	0	
2	Meghalaya	290	53	95	
3	Mizoram	75	84	4	
4	Nagaland	120	168	8	
5	Assam	1320	880	190	1
6	Tripura	240	1537	85	
7	Arunachal Pradesh	110	924	0	
8	ISGS	0	0	1013	5
	Total NER	2265	3848	1395	93