4

Issue Time: 1215 hrs

Revision No. 7

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		
WR-NR	1st June 2014 to 30th June 2014	00-17 23-24 17-23	4700 4700	500	4200 4200	4380	0	500	Revised due to change in Load Generation Balance and Commissioning of Sasan Unit-1.
		17 25	1700		1200		0		commissioning of Busin Cint II
		00-06	1000		800	293	507		
	1st June 2014 to	06-17'	1000		800	423	377		
NR-ER*	30th June 2014	17-18'	1100	200	900	423	477		
		18-23	1100		900	293	607		
		23-24	1000		800	293	507		
\$	1st June 2014 to	00-17	4000	200	2700	2421	1269	200	Revised due to change in Load
ER-NR ^{\$}	30th June 2014	23-24 17-23	4000	300	3700	2431	1269	200	Generation Balance.
		17-23					1207		
W3-ER ^{\$}	1st June 2014 to 30th June 2014	00-24	1800	300	1500	551	949		
ER-W3	1st June 2014 to 30th June 2014	00-24	1000	300	700	874	0		
WR-SR	1st June 2014 to 30th June 2014	00-24	1000	0	1000	1000	0		
SR-WR *	1st June 2014 to 30th June 2014	00-24	1000	0	1000	0	1000		
		00.07						1	
ER-SR	1st June 2014 to	00-06 18-24	2650	0	2650	2158	492		
ER-5R	30th June 2014	06-18'	2000	Ū	2000	2203	447		
	1st June 2014 to	00-17	1100		1100		903		
SR-ER *	30th June 2014	23-24		0		197			
		17-23	1100		1100		903		
		00-06	645		595	205	390	95	
	1st June 2014 to	06-17'	645		595	210	385	95	Revised due to change in Load
ER-NER	30th June 2014	17-18	580	50	530	210	320	30	Generation Balance.
		18-23	580 645		530 595	205 205	325 390	30	
		23-24 00-17				205		95	
NER-ER	1st June 2014 to 30th June 2014	23-24	500	100	400	0	400		
	30th June 2014	17-23	450		350		350		
	1st June 2014 to								
	13th June 2014 to	00-24	2640	295	2345	2139	206		
S1-S2	14th June 2014 to 15th June 2014	00-24	2640	295	2345	2340	5		
	15th June 2014								1
	16st June 2014 to 30th June 2014	00-24	2920	295	2625	2449	176		
Import of Punjab	16st June 2014 to 30th June 2014 1st June 2014 to	00-24 00-24	2920 5700	295 300	2625 5400	2449 3790	176 1610		
-	16st June 2014 to 30th June 2014						1610 A as per ex-pp		
Punjab Import TTC for DD &	16st June 2014 to 30th June 2014 1st June 2014 to 30th June 2014 1st June 2014 to	00-24	5700	300	5400	3790 LTA and MTO	1610 A as per ex-pp	400	Revised due to change in Load Generation Balance.

* 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.

			Tetel		4 . 1.11.	Long Term	Margin	Changes	
Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Access (LTA)/ Medium Term Open Access (MTOA) #	Available for Short Term Open Access (STOA)	in TTC w.r.t. Last Revision	Comments

Revision No. 7

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: 1215 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: 31/05/2014

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	 Commissioning of 765kV Raichur-Sholapur S/C 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) 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.
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									
NR	1st June 2014 to 30th June 2014	00-17 23-24	8700	800	7900	6811	1089	500	Revised due to change in Load Generation Balance and Commissioning of Sasan
		17-23	8700		7900		1089		Unit-1.
		00-06	645		595	205	390	95	
	1st June 2014 to	06-17'	645	50	595	210	385	95	Revised due to change in
NER	30th June 2014	17-18	580	50	530	210	320	30	Load Generation Balance.
		18-23	580		530	205	325	30	
		23-24	645		595	205	390	95	
WR									
SR	1st June 2014 to 30th June 2014	00-06 18-24	3650	0	3650	3158	492		
	50th Julie 2014	06-18'	3650		3650	3203	447		

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		
	1st June 2014 to	06-17'	3500		2800	720	2080		
NR*	30th June 2014	17-18	3600	700	2900	720	2180		
		18-23	3600		2900	590	2310		
		23-24	3500		2800	590	2210		
NER	1st June 2014 to	00-17 23-24	500	100	400	0	400		
	30th June 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		
	30ui 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

		(n-1) contingency of one circuit of 400kV Farakka -Malda D/C
	Import	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
NR		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
		(I-1) contingency of 400 k v Ananabad-i usadii
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
		1. Commissioning of 765kV Raichur-Sholapur S/C
		2. Based on the operational experience after the synchronization of SR grid with NEW grid and due to inadvertent
	Import	variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations(LFO).
SR	Import	3. 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.
	Export	(n-1) and (n-1-1) contingencies of 400kV Talcher-Rourkela D/C
	*Primary constr	aints

*Primary constraints

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected	
110			Margin revised due to withdrawal/cancellation of 150 MW MTOA from Corporate Power Limited	ER-SR	
1	25.03.2014	Whole Month	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	01-04-2014	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	Margin revised due to grant of 69 MW LTA to Jindal	W3/	
4	11-04-2014	Month Whole Month	Power Limited Tamnar 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 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/ EF W3	
5	01-05-2014	Whole	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	
5	01-05-2014	Month	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/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		W3 zone Injection
			granted by CTU. Revised due to augmentation/ modifications in Punjab control area network.	Import o Punjab	
6	23-05-2014	Whole Month	Refer to explanatory notes regarding the change in TTC representation given in the last page.	ER-SR/ S1-	

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
	31-05-2014		Revised due to change in Load Generation Balance and Commissioning of Sasan Unit-1.	WR-NR
7		Whole Month	Revised due to change in Load Generation Balance	ER-NR/ ER- NER
			Revised due to change in Load Generation Balance.	W3 zone Injection

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 10 ISGS/IPPs 17025 15536 17025 15536 10 ISGS/IPPs 17025 15536 33530 31816 11 West Bengal 7127 6661 5396 4376 2 Jharkhand 696 851 275 350 3 Orissa 3177 2990 2315 2770 4 Bihar								
Northe of States/Area Peak Load (MW) Load (MW) Peak (MW) Off Peak (MW) I NORTHERN REGION Image: Constant States/Area Image: Constant Area Image: Constant Area<			Loa	ad	Gener	ation		
I 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 Uttar Athand 1925 1690 843 534 8 Himachal Pradesh 1102 1151 574 623 9 Chandigarh 180 200 0 0 0 10 ISGS/IPPs 17025 15536 1536 4376 2 Jharkhand 696 851 275 350 3 Orissa 3177 2990 2315 2770 4 Bihar 2276 1775 110 1110 5 Damodar	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 2108 300	I	NORTHERN REGION						
Agasthan 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 36675 34768 33530 31816 1 West Bengal 7127 6661 5396 4376 2 Jharkhand 696 851 275 350 3 Orissa 3177 2990 2315 2770 4 Bihar 108 100 00 0 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 9 Chandigarh 180 200 0 0 10 ISGS/IPPs 17025 15536 34768 33530 31816 6 Imaxima REGION	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 15536 Total NR 36575 34768 33530 31816 1 EASTERN REGION 1 1 1 1 1 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 <td< td=""><td>3</td><td>Rajasthan</td><td>7448</td><td>7777</td><td>5583</td><td>5384</td></td<>	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 0 10 ISGS/IPPs 17025 15536 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 2955 8 <td< td=""><td>4</td><td>Delhi</td><td>3961</td><td>3666</td><td>681</td><td>728</td></td<>	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 1000 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	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 I EASTERN REGION 10 <td< td=""><td>6</td><td>Jammu & Kashmir</td><td>1602</td><td>1380</td><td>566</td><td>564</td></td<>	6	Jammu & Kashmir	1602	1380	566	564		
9 Chandigarh 180 200 0 0 10 ISGS/IPPs 17025 15536 Total NR 36575 34768 3350 31816 I EASTERN REGION 1 1 1 Vest 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 8 ISGS/IPPs 410 410 7400 7352 1 Chattisgarh 3118 2566 2217 1790 2 Madhya	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 1 Chattisgarh 3118 2566 2217 1790 2 Madhya Pradesh 6272 5975 3092 2909 3 Maharashtra 15542 16342 10886 11197 4 Guja	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 3 Maharashtra 15542 16342 10886 111197	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 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		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 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								
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 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 Daman 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 Interview I	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		
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		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								
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