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 July 2014 to 31st July 2014	00-24	2500	500	2000	651	1349		
	1st July 2014 to 4th July 2014	00-17 23-24 17-23	4700 4700	500	4200 4200	4380	0		
WR-NR	5th July 2014 to 14th July 2014	00-17 23-24 17-23	4900 4900	500	4400 4400	4380	20		
	15th July 2014	00-10 10-24' 00-17	4900 4150	500	4400 3650	4380	0	-750	Revised due to forced outage of HVDC Rihand-Dadri Pole 2
	16th July 2014 to 31st July 2014	23-24	4900 4900	500	4400 4400	4380	20		
NR-ER*	1st July 2014 to 31st July 2014	00-06 06-17' 17-18'	1000	200	800 800 900	293 423 423	507 377 477		
		18-23 23-24	1000		900 800	293 293	607 507		
ER-NR ^{\$}	1st July 2014 to 31st July 2014	00-17 23-24 17-23	3700	300	3400	2431	969 969		
	1st July 2014 to 3rd July 2014	00-24	1500	300	1200	697	503		
W3-ER ⁸	4th July 2014	00-08' 08-24'	1500 1250	300	1200 950	697	503 253		
	5th July 2014 to 31st July 2014	00-24	1500	300	1200	497	703		
ER-W3	1st July 2014 to 31st July 2014	00-24	1000	300	700	874	0		
WR-SR	1st July 2014 to 4th July 2014 5th July 2014 to	00-24	1000	600	1000 1200	1000	0		
SR-WR *	31st July 2014 1st July 2014 to 31st July 2014	00-24	1000	0	1000	0	1000		
	31st July 2014	00-06							
	1st July 2014	18-24 06-18'	2500	0	2500	1923 1968	577 532		
	2nd July 2014 to 3rd July 2014	00-06 18-24 06-18'	2500	0	2500	2069	431 386		
	4th July 2014	00-06 18-24	2500	0	2500	2069	431		
	54 7 1 2014	06-18' 00-06 06-10'	2500	0	2500	2114 2069 2114	386 431 386		
ER-SR	5th July 2014	10-18' 18-24'	2650	0	2650	2114 2069	536 581		
	6th July 2014 to 7th July 2014	00-06 18-24 06-18'	2650	0	2650	1869 1914	781 736		
	8th July 2014	00-06 18-24	2650	0	2650	2312	338		
	9th July 2014	06-18' 00-06 06-07' 07-18'	2650 2650 2650	0	2650 2650 2650	2357 2312 2357 2357	293 338 293 293		
ER-SR	10th July 2014	18-24' 00-06 06-07' 07-18' 18-24'	2600 2650 2650 2350 2350	0	2650 2650 2650 2350 2350	2312 1869 1914 1914 1869	338 781 736 436 481		
	11th July 2014 to 31st July 2014	00-06 18-24 06-18'	2650	0	2650	1869	781 736		
	1st July 2014 to 7th July 2014	00-10				148	1052		
SR-ER*	8th July 2014 to 9th July 2014 10th July 2014 to	00-24	1200	0	1200	197	1003		
	31st July 2014					148	1052		

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
		00-17	645		595	205	390		
ER-NER	1st July 2014 to 31st July 2014	17-23'	600	50	550	210	340		
		00-17 23-24	550		450		450		
NER-ER	1st July 2014 to 31st July 2014	17-23	530	100	430	0	430		
	1 : 1 1 2014	00.24	2500		2200	2400	0	1	T
	1st July 2014 2nd July 2014	00-24 00-24	2580 2580		2290 2290	2286	4		
	3rd July 2014 to			290					
	4th July 2014	00-24	2300		2010	2286	0		
	5th July 2014 to 7th July 2014	00-24	2490		2040	2042	0		
	8th July 2014 to 9th July 2014	00-24	2490		2040	2276	0		
	10th July 2014	00-24	2490		2040	2042	0		
	11th July 2014	00-12'	2490		2040	2042	0		
	111111111111111111111111111111111111111	12-24'	2930	450	2480	2107	373		
S1-S2	12th July 2014	00-13	2930		2480	2107	373		
51-52		13-24	2655		2205		98		
	13th July 2014 to 14th July 2014	00-24	2655		2205	2107	98		
	15th July 2014	00-22	2655		2205	2107	98		
	15th 3th y 2014	22-24	2465		2170	2352	0		
	16th July 2014 to 22nd July 2014	00-24	2465	295	2170	2352	0	-190	Revised due to planned outage of KKNPP Unit-1 from 2200 hrs of
	23rd July 2014 to 30th July 2014	00-24	2465		2170	2432	0		15.07.2014 for one month
	31st July 2014	00-24	2465		2170	2221	0		
Import of Punjab	1st July 2014 to 31st July 2014	00-24	5700	300	5400	3790	1610		
Import TTC for DD &	1st July 2014 to 4th July 2014	00-24	980	0	980	LTA and MTO sched	lule		
DNH	5th July 2014 to 31st July 2014	00-24	1200	0	1200	LTA and MTO scheo	OA as per ex-pp edule		
W3 zone	1st July 2014 to	00-17 23-24	9000	200	8800	6842	1958		
Injection	31st July 2014	17-23	9500		9300		2458		

^{17-23 9500 9300 2458}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.

Issue Date: 15/07/2014 Issue Time: 1000 hrs Revision No. 21

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
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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

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

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).					
	In case Vindhyachal Unit-12 trips, WR-NR TTC would be reduced to 4700 MW.					
NR-ER	(n-1) contingency of 400 kV Allahabad-Pusauli					
ER-NR	High loading of 765 kV Agra-Gwalior (1250MW SPS setting of 765kV Gwalior-Agra) due to transit flows on ER-WR-NR corridor					
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 Bers 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					
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)					
Import TTC for DD & DNH	(n-1) contingency of 400/220KV 315MVA ICT at VAPI					
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

Natioanl Load Despatch Centre

Transfer Capability between India and Bangladesh for July 2014

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 July 2014 to	0000-1030	500		500	230	270		
5th July 2014	1030 - 1730	475	0	475	230	245		
3th July 2014	1730 -2400	425		425	230	195		
	0000-1030	500		500	230	270		
6th July 2014	1030 - 1730	500	0	500	230	270		
	1730 -2400	450		450	230	220		
7th July 2014 to	0000-1030	500		500	230	270		
12th July 2014	1030 - 1730	475	0	475	230	245		
12th July 2014	1730 -2400	425		425	230	195		
	0000-1030	500	0	500	230	270		
13th July 2014	1030 - 1730	500		500	230	270		
	1730 -2400	450		450	230	220		
14th July 2014 to	0000-1030	500		500	230	270		
19th July 2014 to	1030 - 1730	475	0	475	230	245		
1901 July 2014	1730 -2400	425		425	230	195		
	0000-1030	500		500	230	270		
20th July 2014	1030 - 1730	500	0	500	230	270		
	1730 -2400	450		450	230	220		
21st July 2014 to	0000-1030	500		500	230	270		
26th July 2014 to	1030 - 1730	475	0	475	230	245		
20th July 2014	1730 -2400	425		425	230	195		
	0000-1030	500		500	230	270		
27th July 2014	1030 - 1730	500	0	500	230	270		
	1730 -2400	450		450	230	220		
28st July 2014 to	0000-1030	500		500	230	270		
31st July 2014 to	1030 - 1730	475	0	475	230	245		
518t July 2014	1730 -2400	425		425	230	195		

	Monday to Saturday							
Time Period	Limiting Constraints							
0000-1030								
1030-1730	High loading of 400 kV Farakkka -Behrampur S/C and low voltage at Jeerat							
1730-2400	righ loading of 400 kV rafakkka -benrampur 5/C and low voltage at Jeerat							

	Sundays
Time Period	Limiting Constraints
0000-1030	
1030-1730	
1730-2400	High loading of 400 kV Farakkka -Behrampur S/C and low voltage at Jeerat

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									
		00-17							
	1st July 2014 to	23-24	8600	800	7800	6811	989		
	14th July 2014	17-23	8600		7800		989		
		00-10	8600		7800	-0.1.1	989	0	Revised due to forced
NR	15th July 2014	10-24'	7850	800	7050	6811	239	-750	outage of HVDC Rihand - Dadri pole 2
	16th July 2014 to	00-17	8600	900	7800	6011	989		
	31st July 2014	23-24 17-23	8600	800	7800	6811	989		
	1st July 2014 to	00-17	645		595	205	390		
NER	31st July 2014	23-24 17-23'	600	50	550	210	340		
		17-23	600		330	210	340		
WR									
	1st July 2014	00-06 18-24	3500	0	3500	2923	577		
	•	06-18'				2968	532		
	2nd July 2014 to 3rd July 2014	00-06 18-24	3500	0	3500	3069	431		
		06-18'				3114	386		
	4th July 2014	00-06 18-24	3500	0	3500	3069	431		
		06-18'				3114	386		
		00-06 06-10'	4300		3700	3069 3114	631 586		
	5th July 2014	10-18'		600		3114	736		
		18-24'	4450		3850	3069	781		
	6h July 2014 to	00-06 18-24	4450	600	3850	3069	781		
SR *	7th July 2014	06-18'				3114	736		
	8th July 2014	00-06 18-24	4450	600	3850	3512	338		
		06-18'				3557	293		
		00-06	4450		3850	3512	338		
	9th July 2014	06-07'	4450	600	3850	3557	293		
	_	07-18' 18-24'	4450 4450		3850 3850	3557 3512	293 338		
		00-06	4450		3850	3069	781		
	101 7 201	06-07'	4450		3850	3114	736		
	10th July 2014	07-18'	4150	600	3550	3114	436		
		18-24'	4150		3550	3069	481		
	11th July 2014 to	00-06 18-24	4450	600	3850	3069	781		
	31st July 2014	06-18'				3114	736		

 $^{{\}rm *CTU\ Transfer\ Capability\ assessement\ between\ NEW\ and\ SR\ grid\ is\ 3450\ MW\ without\ considering\ 765kV\ Raichur-Sholapur\ D/C.}$

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	944	1856		
		06-17'	3500		2800	1074	1726		
NR*	1st July 2014 to 31st July 2014	17-18	3600	700	2900	1074	1826		
	,	18-23	3600		2900	944	1956		
		23-24	3500		2800	944	1856		
NER	1st July 2014 to	00-17 23-24	450	100	350	0	350		
	31st July 2014	17-23	550		450		450		
WR									
	1st July 2014 to 7th July 2014					148	2052		
SR*	8th July 2014 to 9th July 2014	00-24	2200	0	2200	197	2003		
	10th July 2014 to 31st July 2014					148	2052		

^{*} 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

NR	Import	High loading of 765 kV Agra-Gwalior (1250MW SPS setting of 765kV Gwalior-Agra) due to transit flows on ER-WR-NR corridor. 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
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Allahabad-Pusauli
NER	Import	(n-1) contingency of 400 kV Balipara – Bongaigaon D/C leading to thermal loading of 220kV BTPS-Agia S/C
NEK	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
SR	Import	 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 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 constraints

Revision	Date of	Period of	Reason for Revision	Corridor		
No	Revision	Revision		Affected		
1	04-04-2014	Whole Month	Margin revised due to grant of 69 MW LTA to Jindal Power Limited Tamnar	W3/ ER-SR		
		WOITH	EK-SK			
2	11-04-2014	Margin revised due to addition of 139 MW LTA to TANGEDCO Whole Month				
			Margin Revised due to correction in LTA Figure and addition of 208 MW LTA to TANGEDCO			
			Re-Routing of transactions on West-East-North Corridor			
3	30-04-2014	Whole Month	discontinued on account of Inter-Regional Loop flows leading to physical congestion on WR-NR.	W3-ER		
			Margin revised due to commissioning of Sasan Unit-4	WR-NR		
			Margin revised due to incorporation of existing Power Allocation.			
			Margin revised due to incorporation of existing Solar Power			
			Allocation to SR, ER, NER constituents between 6 hrs -18	NR-ER/ ER-		
			hrs in LTA figures and allocation data avialable on RPCs RTA/REA.	NER		
			Margin revised due to incorporation of existing LTA/MTOA			
			allocation avialable in RPCs RTA/REA and Re-routing of	W3-ER		
			existing MTOA granted by CTU.			
		5-2014 Whole Month	ER-W3			
4	01-05-2014		Iallocation avialable in RPCs RTΔ/RFΔ			
			Margin revised due to incorporation of existing Solar Power Allocation to Karnataka between 6 hrs-18 hrs in LTA figures.			
			Margin revised due to Allocation of 150 MW to TANGEDCO.			
			Margin revised due to incorporation of existing LTA/MTOA	1412 7		
			allocation avialable in RPCs RTA/REA and existing MTOA	W3 Zone		
			Injection			
			Revised due to augmentation/ modifications in Punjab	Import of		
			control area network.	Punjab		
_	10.05.2014	Whole	Refer to explanatory notes regarding the change in TTC	ED CD/C4 C3		
5	19-05-2014	Month	representation given in the last page.	ER-SR/ S1-S2		
6	13-06-2014	Whole	Revised due to change in Load Generation Balance and	WR-NR		
O	13-00-2014	Month	Commissioning of Sasan Unit-1.	VV N-IVIN		
			Revised due to change in Load Generation Balance and			
7	25-06-2014		Margin revised considering SRPC Generating Units	S1-S2		
,	25 00 2014	Whole	Maintenance schedule.			
		Month	Revised due to change in Load Generation Balance	ER-NR		
8	27-06-2014	Whole	LTA/MTOA revised due to deferment of Simhadri unit - 4	S1-S2		
J	27 00-2014	Month	overhauling	31-32		
			Revised due to change in Load-Generation balance and	ER-NER /		
		Whole	major network change due to commissioning of 400/220 kV	NER-ER		
9	30-06-2014	Month	Azara (Kukurmara) substation			
			Revised due to forced outage of 400 kV Raigarh-SEL-	W3-ER		
			Rourkela Ckt 1			
		01-07-2014	Due to non availability of HVDC Gazuwaka Block 1	ER-SR		
10	30-06-2014	01-07-2014		64.65		
		to	Revised due to outage of NCTPS Unit-2	S1-S2		
		02-07-2014				

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
		02/07/2014 - 03/07/2014	Due to non availability of HVDC Gazuwaka Block 1.	ER-SR
11	01-07-2014		STOA Margin revised on account of change in LTA/Allocation	ER-SR/S1- S2/W3-ER/ NR-WR/W3 Zone
			Due to non availability of HVDC Gazuwaka Block 1.	ER-SR
12	03-07-2014	04-07-2014	Revised due to shutdown of 400kV Rourkela-Jharsuguda- Raigarh D/C	W3-ER
		05/07/2014 - 07/07/2014	Due to non availability of HVDC Gazuwaka Block 1.	ER-SR
13	04-07-2014	05/07/2014 -	Revised due to commissioning of contingency arrangement of one 500 MW Vindhyachal (Unit-12) with 400kV Vindhyachal-Rihand line.	WR-NR
		31/07/2014	Revised due to commissioning of 765kV Sholapur-Raichur Circuit-2 and 765kV Wardha-Aurangabad D/C.	WR-SR
14	04-07-2014	05/07/2014- 31/07/2014	Revised due to commissioning of 400/220KV 2X315MVA ICT at Kala S/S along with 220kV Kala-Sayali and 220KV Kala-Khadoli lines.	Import TTC for DD & DNH
	05-07-2014	05/07/2014- 07/07/2014	Revised due to restoration of Gazuwaka Block-1.	ER-SR
15		05/07/2014- 31/07/2014	Revised considering the Kudankulam Unit-1. with the synchronisation of 2nd Circuit of 765kV Raichur-Sholapur, the reliability of the link between SR & New Grid has improved. KKNPP Unit-1 is generating consistently without much variation.	S1-S2
16	08-07-2014	09-07-2014 - 10-07-2014	Revised due to shutdown of 400kV Rengali-Indravati S/C	ER-SR
17	08-07-2014	09-07-2014 - 10-07-2014	Revised as the shutdown of 400kV Rengali-Indravati S/C is not being availed by Intendenting agency.	ER-SR
18	09-07-2014	10-07-2014	Revised due to shutdown of 400kV Rengali-Indravati S/C	ER-SR
19		11-07-2014 - 12-07-2014	Revised due to NCTPS-II unit-1 tripping and low Vallur generation. Vallur generation is considered 700 MW due to coal shortage, as decided in 97th OCC meeting, from 11th to 31st July-214	S1-S2
13	11-07-2014	13-07-2014 - 31-07-2014	Revised due to low Vallur generation. Vallur generation is considered 700 MW due to coal shortage, as decided in 97th OCC meeting, from 11th to 31st July-214	31 32
20	12-07-2014	12-07-2014	Revised due to synchronization of NCTPS-II unit-1.	S1-S2
21	15-07-2014		Revised due to forced outage of HVDC Rihand-Dadri pole 2	WR-NR
	13 0, 2014	15-07-2014 - 31-07-2014	Revised due to planned outage of KKNPP Unit-1 from 2200 hrs of 15.07.2014 for one month	S1-S2

ASSUMPTIONS IN BASECASE

Month: July '14

Haryana			World Suly 14					
NORTHERN REGION Peak (MW) Continue C		Name of State/Area	Load		Generation			
Punjab	S.No.			Load	Peak (MW)			
2 Haryana 7318 7018 3790 3790 3 Rajasthan 6840 6640 4731 4721 4 Delhi 5241 5044 1172 1172 5 Uttar Pradesh 12034 12134 6260 6283 6 Jammu & Kashmir 1935 1834 556 571 7 Uttarakhand 1559 1459 508 469 8 Himachal Pradesh 1489 1390 867 867 9 Chandigarh 291 277 0 0 10 ISGS/IPPs 19676 17746 Total NR 45512 44555 40797 38653 II EASTERN REGION 1 1 West Bengal 6881 4919 4764 3604 2 Jharkhand 1070 850 365 370 3 Orissa 3740 3000 3049 2375 4 Bihar 2190 1820 80 80 6 Sikkim 86 40 7 Bhutan 108 108 1425 1065 8 ISGS/IPPS 300 480 9351 8716 Total ER 16725 13356 22557 19218 III WESTERN REGION 1 2 West Bengal 1688 108 1425 1065 8 ISGS/IPPS 300 480 9351 8716 Total ER 16725 13368 9707 7696 6 Qijarat 11177 8813 8279 6437 5 Goa 330 356 6 Daman and Diu 244 263 7 Dadra and Nagar Haveli 629 613 8 ISGS/IPPS 1255 1255 18036 17054	ı	NORTHERN REGION						
3 Rajasthan 6840 6640 4731 4721 4 Delhi 5241 5044 1172 1172 5 Uttar Pradesh 12034 12134 6260 6283 6 Jammu & Kashmir 1935 1834 556 571 7 Uttarakhand 1559 1459 508 469 8 Himachal Pradesh 1489 1390 867 867 9 Chandigarh 291 277 0 0 0 10 ISGS/IPPs 19676 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 <td>1</td> <td>Punjab</td> <td>8805</td> <td>8759</td> <td>3237</td> <td>3034</td>	1	Punjab	8805	8759	3237	3034		
Delhi S241 S044 1172 1172 S Uttar Pradesh 12034 12134 6260 6283 6 Jammu & Kashmir 1935 1834 S56 S71 7 Uttarakhand 1559 1459 S08 469 8 Himachal Pradesh 1489 1390 867 867 9 Chandigarh 291 277 0 0 0 15GS/IPPs 19676 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 1774	2	Haryana	7318	7018	3790	3790		
5 Uttar Pradesh 12034 12134 6260 6283 6 Jammu & Kashmir 1935 1834 556 571 7 Uttarakhand 1559 1459 508 469 8 Himachal Pradesh 1489 1390 867 867 9 Chandigarh 291 277 0 0 0 10 ISGS/IPPs 19676 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746	3	Rajasthan	6840	6640	4731	4721		
6 Jammu & Kashmir 1935 1834 556 571 7 Uttarakhand 1559 1459 508 469 8 Himachal Pradesh 1489 1390 867 867 9 Chandigarh 291 277 0 0 0 10 ISGS/IPPs 19676 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 17746 <td>4</td> <td>Delhi</td> <td>5241</td> <td>5044</td> <td>1172</td> <td>1172</td>	4	Delhi	5241	5044	1172	1172		
7 Uttarakhand 1559 1459 508 469 8 Himachal Pradesh 1489 1390 867 867 9 Chandigarh 291 277 0 0 10 ISGS/IPPs 19676 17746 Total NR 45512 44555 40797 38653 II EASTERN REGION 44555 40797 38653 II West Bengal 6881 4919 4764 3604 2 Jharkhand 1070 850 365 370 3 Orissa 3740 3000 3049 2375 4 Bihar 2190 1820 80 80 5 Damodar Valley Corporation 2350 2139 3523 3008 6 Sikkim 86 40 40 40 7 Bhutan 108 108 1425 1065 8 ISGS/IPPs 300 480 9351	5	Uttar Pradesh	12034	12134	6260	6283		
8 Himachal Pradesh 1489 1390 867 867 9 Chandigarh 291 277 0 0 10 ISGS/IPPs 19676 17746 Total NR 45512 44555 40797 38653 II EASTERN REGION 45512 44555 40797 38653 III EASTERN REGION 4919 4764 3604 2 Jharkhand 1070 850 365 370 3 Orissa 3740 3000 3049 2375 4 Bihar 2190 1820 80 80 5 Damodar Valley Corporation 2350 2139 3523 3008 6 Sikkim 86 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40	6	Jammu & Kashmir	1935	1834	556	571		
9 Chandigarh 291 277 0 0 10 ISGS/IPPs 19676 17746 Total NR 45512 44555 40797 38653 II EASTERN REGION ————————————————————————————————————	7	Uttarakhand	1559	1459	508	469		
Total NR	8	Himachal Pradesh	1489	1390	867	867		
I	9	Chandigarh	291	277	0	0		
II EASTERN REGION	10	ISGS/IPPs			19676	17746		
1 West Bengal 6881 4919 4764 3604 2 Jharkhand 1070 850 365 370 3 Orissa 3740 3000 3049 2375 4 Bihar 2190 1820 80 80 5 Damodar Valley Corporation 2350 2139 3523 3008 6 Sikkim 86 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40		Total NR	45512	44555	40797	38653		
1 West Bengal 6881 4919 4764 3604 2 Jharkhand 1070 850 365 370 3 Orissa 3740 3000 3049 2375 4 Bihar 2190 1820 80 80 5 Damodar Valley Corporation 2350 2139 3523 3008 6 Sikkim 86 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40								
2 Jharkhand 1070 850 365 370 3 Orissa 3740 3000 3049 2375 4 Bihar 2190 1820 80 80 5 Damodar Valley Corporation 2350 2139 3523 3008 6 Sikkim 86 40 7 Bhutan 108 108 1425 1065 8 ISGS/IPPs 300 480 9351 8716 Total ER 16725 13356 22557 19218 III WESTERN REGION 1 Chattisgarh 2709 2381 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 356 6 Daman and Diu 244 263 263 7 Dadr	II	EASTERN REGION						
3 Orissa 3740 3000 3049 2375 4 Bihar 2190 1820 80 80 5 Damodar Valley Corporation 2350 2139 3523 3008 6 Sikkim 86 40 40 7 Bhutan 108 108 1425 1065 8 ISGS/IPPs 300 480 9351 8716 Total ER 16725 13356 22557 19218 III WESTERN REGION 1 Chattisgarh 2709 2381 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 6 Daman and Diu 244 263 7 Dadra and Nagar Haveli 629 613 8 ISGS/IPPs 1255 1255 18036 17054	1	West Bengal	6881	4919	4764	3604		
4 Bihar 2190 1820 80 80 5 Damodar Valley Corporation 2350 2139 3523 3008 6 Sikkim 86 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 <td>2</td> <td>Jharkhand</td> <td>1070</td> <td>850</td> <td>365</td> <td>370</td>	2	Jharkhand	1070	850	365	370		
5 Damodar Valley Corporation 2350 2139 3523 3008 6 Sikkim 86 40 7 Bhutan 108 108 1425 1065 8 ISGS/IPPs 300 480 9351 8716 Total ER 16725 13356 22557 19218 III WESTERN REGION V V 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 356 6 Daman and Diu 244 263 263 263 263 7 Dadra and Nagar Haveli 629 613 18036 17054	3	Orissa	3740	3000	3049	2375		
6 Sikkim 86 40 7 Bhutan 108 108 1425 1065 8 ISGS/IPPs 300 480 9351 8716 Total ER 16725 13356 22557 19218 III WESTERN REGION 1 Chattisgarh 2709 2381 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 6 Daman and Diu 244 263 7 Dadra and Nagar Haveli 629 613 8 ISGS/IPPs 1255 18036 17054	4	Bihar	2190	1820	80	80		
7 Bhutan 108 108 1425 1065 8 ISGS/IPPs 300 480 9351 8716 Total ER 16725 13356 22557 19218 III WESTERN REGION VARIANTE 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 6 Daman and Diu 244 263 263 7 Dadra and Nagar Haveli 629 613 8 ISGS/IPPs 1255 1255 18036 17054	5	Damodar Valley Corporation	2350	2139	3523	3008		
8 ISGS/IPPs 300 480 9351 8716 Total ER 16725 13356 22557 19218 III WESTERN REGION 2709 2381 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 6 Daman and Diu 244 263 7 Dadra and Nagar Haveli 629 613 8 ISGS/IPPs 1255 1255 18036 17054	6	Sikkim	86	40				
III WESTERN REGION 1 Chattisgarh 2709 2381 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356	7	Bhutan	108	108	1425	1065		
III WESTERN REGION 1 Chattisgarh 2709 2381 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356	8	ISGS/IPPs	300	480	9351	8716		
1 Chattisgarh 2709 2381 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 <td< td=""><td></td><td>Total ER</td><td>16725</td><td>13356</td><td>22557</td><td>19218</td></td<>		Total ER	16725	13356	22557	19218		
1 Chattisgarh 2709 2381 1653 1326 2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
2 Madhya Pradesh 5556 3873 4367 2740 3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356	III	WESTERN REGION						
3 Maharashtra 15757 13648 9707 7696 4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356 356	1	Chattisgarh	2709	2381	1653	1326		
4 Gujarat 11177 8813 8279 6437 5 Goa 330 356 6 Daman and Diu 244 263 7 Dadra and Nagar Haveli 629 613 8 ISGS/IPPs 1255 1255 18036 17054	2	Madhya Pradesh	5556	3873	4367	2740		
5 Goa 330 356 6 Daman and Diu 244 263 7 Dadra and Nagar Haveli 629 613 8 ISGS/IPPs 1255 1255 18036 17054	3	Maharashtra	15757	13648	9707	7696		
6 Daman and Diu 244 263 7 Dadra and Nagar Haveli 629 613 8 ISGS/IPPs 1255 1255 18036 17054	4	Gujarat	11177	8813	8279	6437		
7 Dadra and Nagar Haveli 629 613 8 ISGS/IPPs 1255 1255 18036 17054	5	Goa	330	356				
8 ISGS/IPPs 1255 1255 18036 17054	6	Daman and Diu	244	263				
13350	7	Dadra and Nagar Haveli	629	613				
	8	ISGS/IPPs	1255	1255	18036	17054		
		Total WR	37657	31202	42042	35253		

ASSUMPTIONS IN BASECASE

Month: July '14

	1					
	Name of State/Area	Load		Generation		
S.No.		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)	
IV	SOUTHERN REGION					
1	Andhra Pradesh	11750	10246	7877	6292	
2	Tamil Nadu	12324	10506	7812	6808	
3	Karnataka	8094	6969	6094	5005	
4	Kerala	3394	2653	1512	907	
5	Pondy	339	291			
6	Goa	84	83			
7	ISGS/IPPs			10422	9492	
	Total SR	35985	30748	33717	28504	
V	NORTH-EASTERN REGION					
1	Arunachal Pradesh	120	60	0	0	
2	Assam	1350	970	220	200	
3	Manipur	120	84	0	0	
4	Meghalaya	310	217	80	70	
5	Mizoram	75	53	8	4	
6	Nagaland	120	84	12	12	
7	Tripura	250	120	90	90	
8	ISGS/IPPs			1309	1096	
	Total NER	2345	1588	1719	1472	
	Total All India	138224	121449	140832	123100	
	Total All Illula	130224	121449	140032	123100	