National Load Despatch Centre Total Transfer Capability for February 2016

ssue Date: 0	1/02/2016		Issu	e Time: 144	5 hrs			Revision	No. 2
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 Feb 2016 to 29th Feb 2016	00-24	2500	500	2000	706	1294		
WR-NR*	1st Feb 2016 to 29th Feb 2016	00-24	7700	500	7200	6103	1097		
				•					• •
	1st Feb 2016 to	00-06	2000		1800	293	1507		
NR-ER*	29th Feb 2016	06-18'	2000	200	1800	358	1442		
	2901100 2010	18-24	2000		1800	293	1507		
ER-NR*	1st Feb 2016 to 29th Feb 2016	00-24	4800	300	4500	2431	2069		
W3-ER ^{\$}	1st Feb 2016 to 29th Feb 2016	00-24					s being specified. allowed via W3-E	R-NR.	
ER-W3	1st Feb 2016 to	00-24				No limit i	s being Specified.		
EK-W5	29th Feb 2016	00-24				NO IIIIII I	s being specified.		
		00.05	4000		2250	2250	0	1	
	1st Feb 2016	00-05 05-22'	4000 4000	750	3250 3250	3250 3250	0	4	
		22-24	4000		3250	3250	0	4	
		00-05	4000		3250	3250	0		
	02nd Feb 2016 to 16th Feb 2016	05-06'	4000		3250	3250	0	ł	
WR-SR		06-22'	3750	750	3000	3250	0		Revised due to the shutdown of 400
		22-24	3750		3000	3250	0	-250	Ramagundam-Chandrapur-1
	17th Feb 2016 to 29th Feb 2016	00-05	4000		3250	3250	0		
		05-22'	4000	750	3250	3250	0	1	
		22-24	4000		3250	3250	0	1	
SR-WR *	1st Feb 2016 to 29th Feb 2016	00-24				No limit i	s being Specified.		
		00-06							
ER-SR	1st Feb 2016 to	18-24	2650	0	2650	2585	65		
	29th Feb 2016	06-18'	İ			2650	0		
SR-ER *	1st Feb 2016 to 29th Feb 2016	00-24				No limit i	s being Specified.		
S1-S2	1st Feb 2016 to 29th Feb 2016	00-24	S	1-S2 corridor	TTC/ATC is ι	ploaded on NLDC	website under Int	ra-Regional	Section in Monthly ATC.
		00-17							
ER-NER	1st Feb 2016 to	23-24	1430	45	1385	210	1175		
	29th Feb 2016	17-23	1390		1345		1135	1	
NER-ER	1st Feb 2016 to	00-17 23-24	1220	45	1175	0	1175		
	29th Feb 2016	17-23	1220	45	1175		1175		
			NT 12 1. 1 1		<i>c c i</i>	1	a	• .	
W3 zone Injection	1st Feb 2016 to 29th Feb 2016	00-24	No limit is being specified (in case of skewed inter-regional flows or any constraints appearing in the system, W3 zone export would be revised accordingly)						

* 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).

National Load Despatch Centre Total Transfer Capability for February 2016

Issue Date: 01/02/2016

Issue Time: 1445 hrs

Revision No. 2

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
----------	------	-------------------------	--	-----------------------	--	--	--	---	----------

\$ 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.

1) S1 comprises of Telangana, AP and Karnataka: S2 comprises of Tamil Nadu, Kerala and Puducherry

2) 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	1. (n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit. 2. High Loading of 400kV Singrauli-Anpara S/C.
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli
ER-NR	N-1 contingency of 400 kV Biharshariff- Lakhisarai S/C
WR-SR & ER-SR	(n-1) contingency of one circuit of 765 kV Raichur - Sholapur will lead to 2500 MW loading on the other circuit Low Voltage at Gazuwaka (East) Bus.
ER-NER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa
W3 zone Injection	

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									
		00-05	9100		8300		0		
NR*			,100		0000				
	1st Feb 2016 to	05-08'	9100	800	8300	8534	0		
	29th Feb 2016	08-19'	9100	000	8300	0554	0		
		19-24'	9100		8300		0		
NER	Let Feb 2016 to	00-17 23-24	1430	45	1385	210	1175		
	29th Feb 2010	17-23	1390		1345		1135		
WR									
		00-06	6650		5900	5835	65		
	1st Feb 2016	06-18'	6650	750	5900	5900	0		
		18-24	6650		5900	5835	65		
		00-06	6650	750	5900	5835	65		
SR	02nd Feb 2016 to	06-18'	6400		5650	5900	0	-250	Revised due to the shutdown of 400 kV Ramagundam- Chandrapur-1
	16th Feb 2016	18-24	18-24 6400		5650	5835	0		
		00-06	6650		5900	5835	65		
	17th Feb 2016 to	06-18'	6650	750	5900	5900	0		
	29th Feb 2016	18-24	6650		5900	5835	65		
	cent (50 %) Count ns (Bilateral & First			count of LTA	A/MTOA tra	nsactions in the re	everse direction	would be co	onsidered for advanced
Corridor in	n the following ratio Simultaneous impo ATC =B	D:		gin available	in Simultano	eous Import of NF	R would be appo	rtioned on V	WR-NR Corridor & ER-NR

Margin for WR-NR applicants = A * B/(B+C)Margin for ER-NR Applicants = A * C/(B+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
NR*	1st Feb 2016 to 29th Feb 2016	00-06 06-18' 18-24	4500	700	3800 3800 3800	999 1064 999	2801 2736 2801		
NER	1st Feb 2016 to 29th Feb 2016	00-17 23-24	1220	45	1175	0	1175		
WR		17-23	1220	45	1175		1175		
SR *	1st Feb 2016 to 29th Feb 2016	00-24		No limit is being Specified.					

* 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 400 kV Biharshariff- Lakhisarai S/C
	Import	1. (n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.
NR		2.High Loading of 400kV Singrauli-Anpara S/C.
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
		(n-1) contingency of 400 kV Saranath-Pusauli
NER	Import	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA
NEK	Export	ICT at Misa
SR	Import	(n-1) contingency of one circuit of 765 kV Raichur - Sholapur leads to 2500 MW loading on the other circuit
SK	Import	Low Voltage at Gazuwaka (East) Bus.

National Load Despatch Centre Total Transfer Capability for February 2016

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
			Revised considering commissioning of New Transmission Elements.	WR-SR/ import of SR
1	31/01/2016	Whole Month	Revised considering present Inter-Regional flow pattern, & considering the restoration of Vindhyachal Block. STOA margin revised due to grant of LTA/MTOA towards NR	Import of NR
2	01-02-2016	02/02/16 to 16/02/16	Revised due to the shutdown of 400 kV Ramagundam- Chandrapur-1	WR-SR/ import of SR

ASSU	MPTIONS IN BASECASE					
				Ν	Ionth : February '16	
S.No.	Name of State/Area	Load			Generation	
		Peak Load (MW)	Off Peak Load ((MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION					
1	Punjab	5201	5473		2830	2193
2	Haryana	5814	6170		3168	2291
3	Rajasthan	9835	9280		5925	6389
4	Delhi	3639	3875		822	805
5	Uttar Pradesh	11744	11581		4665	5587
6	Uttarakhand	1767	1430		594	456
7	Himachal Pradesh	1413	1262		227	245
8	Jammu & Kashmir	2348	2003		368	362
9	Chandigarh	195	222		0	0
10	ISGS/IPPs	0	0		18168	18311
	Total NR	41957	41295		36767	36640
II	EASTERN REGION					
1	Bihar	2761	1795		210	100
2	Jharkhand	1085	748		380	215
3	Damodar Valley Corporation	2268	1920		3305	2685
4	Orissa	3226	2300		2300	1436
5	West Bengal	6315	4431		4796	3428
6	Sikkim	99	65		0	0
7	Bhutan	245	245		352	0
8	ISGS/IPPs	602	607		10243	8778
	Total ER	16601	12111		21587	16641
	WESTERN REGION					
	Maharashtra	19770	14437		14472	7886
	Gujarat	12235	10132		10392	7878
	Madhya Pradesh	8576	5415		5272	2131
	Chattisgarh	3701	2520		1750	1526
	Daman and Diu	301	227		0	0
6	Dadra and Nagar Haveli	768	649		0	0
	Goa-WR	478	258		0	0
8	ISGS/IPPs	1083	1089		24693	23670
	Total WR	46913	34728		56579	43091

	I I				
V	SOUTHERN REGION				
1	Andhra Pradesh	6396	5728	6099	5669
2	Telangana	7389	6317	2720	2186
3	Karnataka	8219	7094	6349	5102
4	Tamil Nadu	13261	11695	6736	4900
5	Kerala	3730	2744	1672	695
6	Pondy	387	294	0	0
7	Goa-SR	89	89	0	0
8	ISGS/IPPs	0	0	12773	11909
	Total SR	39471	33961	36349	30461
/	NORTH-EASTERN REGION				
1	Arunachal Pradesh	79	42	0	0
2	Assam	810	629	192	122
3	Manipur	84	58	0	0
4	Meghalaya	254	169	130	77
5	Mizoram	60	42	4	4
6	Nagaland	72	65	8	6
7	Tripura	186	84	87	84
8	ISGS/IPPs	0	0	1117	855
	Total NER	1545	1089	1538	1148
	Total All India	146487	123185	152819	127981