

**POWER GRID CORPORATION OF INDIA LIMITED
EASTERN REGIONAL LOAD DESPATCH CENTER**

ATC of Eastern Region for the month of March, 2010

Rev. 2 considering higher demand in NER and lower demand in NR

Export Capability

Corridor	Time Period	Total Transfer Capability	Reliability Margin	Scheduling Limit	Long Term Open Access	Available Transfer Capability for STOA
ER - NR up to 19th March	00:00 – 17:00	2000	300	1700	1157	543
	23:00 – 24:00					
	17:00 – 23:00	2400	300	2100	1148	952
ER - NR 20 to 31March	00:00 – 17:00	2100	300	1800	1107	693
	23:00 – 24:00					
	17:00 – 23:00	2400	300	2100	1100	1000
ER - WR	00:00 – 17:00	2000	300	1700	439	1261
	23:00 – 24:00					
	17:00 – 23:00	1900	300	1600	438	1162
ER - SR	00:00 – 17:00	2000	100	1900	-36	1936
	23:00 – 24:00					
	17:00 – 23:00	2000	100	1900	-36	1936
ER - NER up to 19th March	00:00 – 17:00	400	50	350	208	142
	23:00 – 24:00					
	17:00 – 23:00	400	50	350	185	165
ER - NER 20 to 31March	00:00 – 17:00	400	50	350	183	167
	23:00 – 24:00					
	17:00 – 23:00	400	50	350	163	187

Import Capability

Corridor	Time Period	Total Transfer Capability	Reliability Margin	Scheduling Limit	Long Term Open Access	Available Transfer Capability for STOA
NR - ER	00:00 – 17:00	300	200	100	0	100
	23:00 – 24:00					
	17:00 – 23:00	450	200	250	0	250
WR - ER up to 19th March	00:00 – 17:00	700	200	500	0	500
	23:00 – 24:00					
	17:00 – 23:00	1100	200	900	0	900
WR-ER 20 to 31March	00:00 – 17:00	800	200	600	0	600
	23:00 – 24:00					
	17:00 – 23:00	1100	200	900	0	900
SR-ER up to 19th March	00:00 – 17:00	350	50	300	36	264
	23:00 – 24:00					
	17:00 – 23:00	950	50	900	36	864
SR - ER 20 to 31March	00:00 – 17:00	650	50	600	36	564
	23:00 – 24:00					
	17:00 – 23:00	1000	50	950	36	914
NER - ER	00:00 – 17:00	1000	200	800	0	800
	23:00 – 24:00					
	17:00 – 23:00	1000	200	800	0	800

Note :

To maximize export capability to NR

400KV Purnea-Muzaffarpur-Gorakhpur has been kept single circuit with FSC at Purnea by passed in off peak and taken into service in peak.

- (n-1) contingency of Farakka-Malda line has been considered for arriving at ER-NR and ER-NER TTC for peak and off-peak.
- (n-1) Contingency of 220KV Budhipadar-Tarkera line has been considered for arriving at WR-ER TTC for peak and off peak hours.
- (n-1) contingency of Farakka-Malda line has been considered for arriving at SR-ER TTC for off-peak and peak.
- Import TTC mentioned are not simultaneous capacity and depends on the flows on the other links
Simultaneous TTC for ER-NR & ER-NER

	upto 19/03	20/03 to 31/03
off-peak	2300	2450
peak	2750	2800

- # Capacity of Talcher-Kolar link has been considered as 2500MW and shutdown of one unit at TSTPP-II has also been considered in arriving at ER-SR TTC.

NTPC availability considered for March-10

up to 19th March	FSTPP	1489
20 to 31March	FSTPP	1020
	KHSTPP-I	760
	KHSTPP-II	935
	TSTPP-I	935
	TSTPP-II	1860

1 Planned outage of FSTPP U# 4(500MW) has been considered from 20th March to 23rd April 2010.

2 **200MW Long-term export from DVC to MPPTCL(WR) and 150MW from DVC to DTL(NR) has been considered**

3 **Variation of hydro generation considered during peak and off-peak**

Station	Peak	Off-peak
Teesta	500	0
Rangit	20	0
Chukha	0	0
Tala	170	170
Kurichu	0	0
Burla	40	10
Chiplima	20	0
Balimela	100	40
Rengali	100	0
U. Kolab	100	0
Indravati	400	100
Subarnarekha	0	0
Maithon	20	0
Panchet	0	0
PPSP	675	0
Rammam	0	0
TCF	0	0
Jaldhaka	0	0