

POWER GRID CORPORATION OF INDIA LIMITED
EASTERN REGIONAL LOAD DESPATCH CENTER
ATC of Eastern Region for the month of April, 2010

Export Capability

Corridor	Time Period	Total Transfer Capability	Reliability Margin	Scheduling Limit	Long Term Open Access	Available Transfer Capability for STOA
ER - NR	00:00 – 17:00	2200	300	1900	1220	680
	23:00 – 24:00					
	17:00 – 23:00	2900	300	2600	1226	1374
ER - WR	00:00 – 17:00	1800	300	1500	558	942
	23:00 – 24:00					
	17:00 – 23:00	1700	300	1400	556	844
ER - SR	00:00 – 17:00	1600	100	1500	-18	1518
	23:00 – 24:00					
	17:00 – 23:00	1600	100	1500	-18	1518
ER - NER	00:00 – 17:00	400	50	350	214	136
	23:00 – 24:00					
	17:00 – 23:00	400	50	350	213	137

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	350	200	150	0	150
	23:00 – 24:00					
	17:00 – 23:00	450	200	250	0	250
WR - ER	00:00 – 17:00	1100	200	900	0	900
	23:00 – 24:00					
	17:00 – 23:00	1200	200	1000	0	1000
SR - ER	00:00 – 17:00	500	50	450	18	432
	23:00 – 24:00					
	17:00 – 23:00	1000	50	950	18	932
NER - ER	00:00 – 17:00	950	200	750	0	750
	23:00 – 24:00					
	17:00 – 23:00	950	200	750	0	750

Note :

To maximize export capability to NR

(i) FSC at Purnea has been kept bypassed

400KV Malda-Purnea one circuit considered not to be available during the month.

- 1 (n-1) contingency of Farakka-Malda line has been considered for arriving at ER-NR and ER-NER TTC for peak and off-peak.
- 2 (n-1) contingency of Rourkela-Raigarh line has been considered for arriving at ER-WR TTC for peak and for off peak (n-1) contingency of Kahalgaon-Maithon and Jamshedpur-Rourkela lines have been considered.
- 3 (n-1) contingency of Kahalgaon-Maithon line have been considered for arriving at ER-SR TTC for peak.
- 4 (n-1) Contingency of 220KV Budhipadar-Tarkera line has been considered for arriving at WR-ER TTC for peak and off peak hours.
- 5 (n-1) contingency of Farakka-Malda line has been considered for arriving at SR-ER TTC for off-peak and peak.
- 6 (n-1) contingency of Binaguri-Bongaigaon line has been considered for arriving at NER-ER TTC for peak and off-peak.
- 7 Import TTC mentioned are not simultaneous capacity and depends on the flows on the other links
- 8 (n-1) contingency of Khalgaon-Maithon and Jamshedpur-Rourkela lines have been considered for arriving at NR-ER TTC for off-peak.

Simultaneous TTC for ER-NR & ER-NER

off-peak	2500
peak	3200

- # Capacity of Talcher-Kolar link has been considered as 2500MW and exbus availability from TSTPP-II has been estimated to be 1900MW.

Note LGBR and Maintenance schedule of ER yet to be finalized.

NTPC availability considered for April-10

FSTPP	1020
KHSTPP-I	740
KHSTPP-II	1395
TSTPP-I	970
TSTPP-II	1860

**200MW Long-term export from DVC to DTL (NR)
has not been considered**

Variation of hydro generation considered during peak and off-peak

Station	Peak	Off-peak
Teesta	510	170
Rangit	60	0
Chukha	80	80
Tala	200	100
Kurichu	10	10
Burla	40	0
Chiplima	10	10
Balimela	200	50
Rengali	100	0
U. Kolab	200	0
Indravati	400	200
Subarnarekha	0	0
Maithon	20	0
Panchet	0	0
PPSP	675	0
Rammam	0	0
TCF	0	0
Jaldhaka	0	0