

POWER GRID CORPORATION OF INDIA LIMITED
EASTERN REGIONAL LOAD DESPATCH CENTER
ATC of Eastern Region for the month of May, 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	2500	300	2200	1126	1074
	23:00 – 24:00					
	17:00 – 23:00	2900	300	2600	1118	1482
ER - WR	00:00 – 17:00	1900	300	1600	437	1163
	23:00 – 24:00					
	17:00 – 23:00	1600	300	1300	436	864
ER - SR	00:00 – 17:00	1550	100	1450	-46	1496
	23:00 – 24:00					
	17:00 – 23:00	1550	100	1450	-46	1496
ER - NER	00:00 – 17:00	350	50	300	196	104
	23:00 – 24:00					
	17:00 – 23:00	400	50	350	175	175

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	1000	300	700	0	700
	23:00 – 24:00					
	17:00 – 23:00	1150	300	850	0	850
SR - ER	00:00 – 17:00	600	50	550	46	504
	23:00 – 24:00					
	17:00 – 23:00	1250	50	1200	46	1154
NER - ER	00:00 – 17:00	920	100	820	0	820
	23:00 – 24:00					
	17:00 – 23:00	920	100	820	0	820

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.

- 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 off-peak.
- 3 (n-1) Contingency of 220KV Budhipadar-Tarkera line has been considered for arriving at WR-ER TTC for peak and off peak hours.
- 4 (n-1) contingency of Farakka-Malda line has been considered for arriving at SR-ER TTC for off-peak and peak.
- 5 (n-1) contingency of Binaguri-Bongaigaon line has been considered for arriving at NER-ER TTC for peak and off-peak.
- 6 Import TTC mentioned are not simultaneous capacity and depends on the flows on the other links
- # Capacity of Talcher-Kolar link has been considered as 2500MW and exbus availability from TSTPP-II has been estimated to be 1860MW.
- 7 Export TTC of SR is determined by the margin available in HVDC links and there is no constraint within ER grid.

NTPC availability considered for May-10

FSTPP	1300
KHSTPP-I	740
KHSTPP-II	935
TSTPP-I	935
TSTPP-II	1860

1 Planned outage of FSTPP U# 3(200MW) & KhSTPP U#5(500MW) has been considered during May 10 as per draft LGBR.

2 KhSTPP U#7 has been considered to be under commercial operation.

3 **200MW Long-term export from DVC to MPPTCL(WR) and 150MW from DVC to DTL(NR) has been considered**

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

Station	Peak	Off-peak
Teesta	510	170
Rangit	60	0
Chukha	80	80
Tala	170	170
Kurichu	0	0
Burla	40	0
Chiplima	10	10
Balimela	200	20
Rengali	100	0
U. Kolab	150	0
Indravati	400	100
Subarnarekha	0	0
Maithon	0	0
Panchet	0	0
PPSP	675	0
Rammam	0	0
TCF	0	0
Jaldhaka	0	0