

**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

<b>FSTPP</b>	<b>1020</b>
<b>KHSTPP-I</b>	<b>740</b>
<b>KHSTPP-II</b>	<b>1395</b>
<b>TSTPP-I</b>	<b>970</b>
<b>TSTPP-II</b>	<b>1860</b>

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

### Variation of hydro generation considered during peak and off-peak

<b>Station</b>	<b>Peak</b>	<b>Off-peak</b>
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