

POWER GRID CORPORATION OF INDIA LTD.
N.R.L.D.C.,NEW DELHI-110016



QUARTERLY REPORT FOR THE PERIOD APRIL TO JUNE 2001.

A . POWER SUPPLY POSITION

A-1 : REGIONAL ENERGY

MONTH	ENERGY MET AVG. MU/DAY	ENERGY REQUIREMENT AVG. MU/DAY	ENERGY SHORTAGE IN	
			AVG. MU/DAY	%
APRIL,01	335.32	367.65	8.79	8.79
MAY,01	372.02	391.39	4.95	4.95
JUNE,01	396.56	415.21	4.49	4.49

A-2 : REGIONAL PEAK MW

MONTH	PEAK MW MET MW	PEAK MW REQUIREMENT MW	PEAK MW SHORTAGE IN	
			MW	%
APRIL,01	16947	19832	2885	14.55
MAY,01	19436	20874	1438	6.89
JUNE,01	20122	21873	1751	8.01

B . QUALITY OF POWER SUPPLY

B-1 : FREQUENCY SPECTRUM

MONTH	% OF TIME FREQUENCY				FVI			AVG.FREQ. HZ
	LESS THAN 48.50 Hz	LESS THAN 49.0 Hz	BETWEEN 49.0-50.5 Hz	MORE THAN 50.5 Hz	MAXIMUM	MINIMUM	AVERAGE	
APRIL,01	6.89	26.10	66.28	7.62	13.41	2.09	7.02	49.50
MAY,01	2.49	13.68	71.15	15.17	10.69	1.68	5.11	49.75
JUNE,01	0.64	3.19	71.84	24.97	11.15	1.81	3.59	50.05

B-2 : VOLTAGE AT IMPORTANT GRID POINTS

MONTH	400kV DADRI		400 kV KANPUR	
	MAX. (kV)	MIN. (kV)	MAX. (kV)	MIN. (kV)
APRIL,01	424	366	426	374
MAY,01	428	366	424	379
JUNE,01	422	358	420	382

C:SYSTEM CONSAINTS COMING IN THE WAY OF MEETING SYSTEM REQUIREMENT:**C1:-TRANSMISSION RELATED CONSTRAINT:**

S.NO.	TRANSMISSION CONSTRAINT	GENERATING STATIONS AFFECTED	OTHER AGENCIES AFFECTED	REMARKS
1	RIHAND-DADRI HVDC-POLE-II	SINGRAULI / RIHAND / ANPARA / OBRA	ALL CONSITUENTS OF NORTHERN REGION	The pole gone under outage as on 14.12.2000 and revived on 28.04.2001. During the period of outage of pole power transmission capacity in East- West carridor of Northern Region reduced by 750MW . This practically left no redundancy in system and whenever there is outage of any other element in East-West corridor; Generation backdown at power station viz Singrauli/Rihand/Anpara/Obra has been carried out for safe and secure operation of regional grid.
2	220kV KISHENPUR- PAMPORE D/C	URI(HYDRO) (480MW)	J & K AND BENEFICIALIES CONSITUENTS OF NR	Tripping of this line results into sepration of velley area from rest of the grid /block out in valley area and spillage of water at this.
3	400kV URI- WAGOORA D/C	URI(HYDRO) (480MW)	CONSITUENTS OF NR	Spillage of water at URI especially during high hydro season.
4	220kV TANAKPUR- BAREILY D/C	TANAKPUR(HY DRO) (94MW)	CONSITUENTS OF NR	Spillage of water at TANAKPUR.

C2:- CONSTRAINT DUE TO DISTURBANCE IN THE GRID:

System disturbances / Grid incidents occurred during this quarter are appended at Annexure-I.

D-GENERATION/TRANSMISSION SYSTEM ELEMENT ADDITION:

1. 200kV Ropar-Gobindgarh second D/C line commissioned on 31.05.2001.

E-SPECIAL MENTION

* Powerflow on 400kV Bihar Sharif- Sarnath I & II (East-North ac Interconnection Line) started at 16:18 hrs and 17:02 hrs of 12.06.2001 respectively.

S No.	DATE	TIME	INCIDENT
1	06.04.2001	13:48	All the running units at Guru Nanak Dev Thermal Power Plant ,Bhatinda (300 MW) were tripped due to Bus-fault at Bhatinda.All the tripped units were synchronised by 1630 hrs. of 06.04.2001.
2	12.04.2001	17:02	All the running units at Obra'B' Power Station (800 MW) of UPRUVNL were tripped due to fire in cable gallery and consequently Auxilary supply Failure.
3	14.04.2001	15:10	All the running units at Kota Thermal Power Plant (640 MW) of RRVUNL were tripped due to Bus-fault at Kota.All the tripped units were synchronised by 2002 hrs. of 14.04.2001.
4	01.05.2001	21:44	Bus-bar protection operated at Sakatpura S/S(Kota) resulting in loss of 1300 MW generation. All four units of Kota(630 MW), RAPP-A(160 MW), RAPP-B(350 MW), and Anta(GT)# 1& 3 (250MW) tripped during the incident.
5	08.05.2001	18:12	J&K valley collapsed due to storm and load throw off in the valley
6	09.05.2001	18:56	Bus-bar protection operated at Muradnagar sub-station due to snapping of jumper at line CB end of 400kV Dadri-Muradnagar line.

7	14.05.2001	1:37	J&K valley collapsed due to frequent tripping of Kishenpur-Pampore D/C.
8	16.05.2001	4:22	Vindhyachal HVDC Back to back Block I & II remained out for two hours due to tripping of Western bus.
9	16.05.2001	5:14	All lines emanating from Anpara (except Anpara-Sarnath B1-L3 & Anpara-Unnao) tripped.
10	20.06.2001	4:40	During heavy rains and thunderstorm 400 kV bus-bar protection operated at Muradnagar substation of UPPCL resulting in tripping of all 400kV lines and all 400/220kV transformers. Complete system was normalized by 06:50 of 20.06.2001.