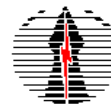


POWER GRID CORPORATION OF INDIA LTD.
N.R.L.D.C.,NEW DELHI-110016



QUARTERLY REPORT FOR THE PERIOD OCTOBER TO DECEMBER 2002.

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	%
OCTOBER,02	379.07	417.26	38.19	9.15
NOVEMBER,02	372.83	404.45	31.62	7.82
DECEMBER,02	368.91	429.36	60.45	14.08

A-2 : REGIONAL PEAK MW

MONTH	PEAK DEMAND MET MW	PEAK REQUIREMENT MW	PEAK SHORTAGE IN	
			MW	%
OCTOBER,02	19471	22186	2715	12.24
NOVEMBER,02	20130	22047	1917	8.70
DECEMBER,02	19490	21455	1965	9.16

B : QUALITY OF POWER SUPPLY

B-1 : FREQUENCY SPECTRUM

MONTH	% OF TIME FREQUENCY				Frequency Variation Index(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	
OCTOBER,02	0.37	5.64	83.10	11.26	6.33	1.61	3.15	49.82
NOVEMBER,02	0.16	2.07	70.69	27.24	4.25	1.20	2.78	50.14
DECEMBER,02	0.11	2.01	82.95	15.04	4.67	1.33	2.15	49.94

B-2 : VOLTAGE AT IMPORTANT GRID POINTS

MONTH	400kV DADRI		400 kV KANPUR	
	MAX. (kV)	MIN. (kV)	MAX. (kV)	MIN. (kV)
OCTOBER,02	422	378	417	379
NOVEMBER,02	420	380	422	380
DECEMBER,02	428	380	424	380

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

S.NO.	TRANSMISSION CONSTRAINT	GENERATING STATIONS AFFECTED	OTHER AGENCIES AFFECTED	REMARKS
1	220kV KISHENPUR-PAMPORE D/C	URI (HYDRO) (480MW)	J & K AND BENEFICIARIES CONSTITUENTS OF NR	Tripping of this line results into separation of valley area from rest of the grid /black out in valley area and spillage of water at Uri.
2	400kV URI-WAGOORA D/C	URI (HYDRO) (480MW)	CONSTITUENTS OF NR	Spillage of water at URI especially during high hydro season.
3	220kV TANAKPUR-BAREILLY D/C	TANAKPUR (HYDRO) (94MW)	CONSTITUENTS OF NR	Spillage of water at TANAKPUR.
4	±500 kV HVDC RIHAND-DADRI POLE-II	SINGRAULI RIHAND UNCHAHAH-I &II	CONSTITUENTS OF NR	The Pole -II remained out of service in between 28/10/2002 to 19/12/2002 due to "B" phase converter transformer problem at Rihand end.During the outage period of HVDC Rihand-Dadri Pole-II the other 400 kV AC lines in the east-west corridor of Northern Region got critically loaded . At times; to control the loading of lines ;power has been exported to Western Region and/or backing down carried out at Generating Stations situated in the Eastern part of the Northern Grid & commensurate load-shedding in the Western part of the Grid.

C2:- CONSTRAINT DUE TO DISTURBANCE IN THE GRID:

In the last week of December 2002,Northern Grid experienced large number of trippings owing to inclement and extremely foggy weather conditions.

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

D: GENERATION/TRANSMISSION SYSTEM ELEMENT ADDITION:

1. Pragati GT #2 (108 MW) of Pragati Power Corporation Delhi synchronised on 14/11/2002 at 15:30 hrs.

2. 400 kV Allahabad-Sasaram line of POWERGRID charged on 26/11/2002 at 11:47 hrs.

E: SPECIAL MENTION

Availability Based Tariff (ABT) for energy accounting and billing introduced in the Northern Region w.e.f. 1st December 2002.