

**Eastern Regional Power Committee
KOLKATA**

FAX MESSAGE NO.

FAX NO :: 011-26109750/26732634

Date : 24.08.16

TO :: Chief Engineer,GM Div.,CEA

FROM :: EE (O), ERPC,KOLKATA

SUBJECT : REVISED POWER SUPPLY POSITION OF EASTERN REGION FOR THE MONTH OF

July' 16

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A Generation Details										IMPORT from Bhutan			
Sl.No.	Constituents	BIHAR	DVC	JHARKHAND	ODISHA	W. BENGAL	SIKKIM	NTPC	NHPC	CHPS	KHPS	TALA HPS	REGION
(i)	Gross/Net Generation (MU)												
	Thermal												
	i) Coal	0.00	2613.38	141.29	280.87	2841.87		3496.83					9374.23
	ii) Liquid												
	iii) Gas Open Cycle												
	iv) Gas Combined Cycle												
	v) Nuclear												
	Hydro/Other Sources	1.77	15.56	0.00	441.29	168.30	1.00		398.94	250.24	67.21	632.43	1976.73
	* IPP & INFIRM (Through CTU)												2057.23
	CPPs/IPPs	0.01	33.08		522.03	570.46							1125.58
	Wind Mill												
	Total (MU)	1.78	2662.02	141.29	1244.19	3580.62	1.00	3496.83	398.94	250.24	67.21	632.43	14533.77
(ii)	Dedicated Power Strn												
	(i)TTPS of Orissa				302.89								302.89
	(ii)MTPS of Bihar	74.77											74.77
	Total (MU) I+II	76.55	2662.02	141.29	1547.07	3580.62	1.00	3496.83	398.94	250.24	67.21	632.43	14911.43
(iii)	Actual Demand Met (Gross MW)	3612.00	2752.00	1161.00	4072.00	7750.00	97.00						18786
	* Includes Generation of MPL, VEDANTA, APNRL,GMR, JITPL, CHUZACHEN, JORETHANG												
B Energy Availability/Requirement(Ex -Bus MU)													
	Constituents	BIHAR	DVC	JHARKHAND	ODISHA	W. BENGAL	SIKKIM	NTPC	NHPC	CHPS	KHPS	TALA HPS	REGION
1	Own Generation (MU)												
	Thermal												
	i) Coal	0.00	2325.91	125.74	252.78	2557.68		3496.83					8758.94
	iii) Gas Open Cycle												
	iv) Gas Combined Cycle												
	v) Nuclear												
	Hydro	1.77	15.56	0.00	441.29	168.30	1.00		398.94	250.24	67.21	632.43	1976.73
	IPP & INFIRM (Through CTU)												2057.23
	CPPs/IPPs		33.08		522.03	570.46							1125.57
	Wind Mill												
	Total (1) (MU)												
2	Dedicated Power Strn												
2.1	TTPS				272.60								272.60
2.2	MTPS	68.79											68.79
	Total Own Gen. , IPP, CPP, & Dedicated	70.56	2374.55	125.74	1488.70	3296.44	1.00	3496.83	398.94	250.24	67.21	632.43	14259.86
3	Net Drawal from Grid (inc. Bi-lateral)	2094.66	-735.35	510.35	877.28	1260.90	33.28						-2861.76
4	Total Availability	2165.22	1639.20	636.09	2365.97	4557.34	34.28						11398.10
5	Unrestricted Requirement	2198.62	1647.33	636.09	2365.97	4566.91	34.28						11449.20
6	Shortage	33.40	8.13	0.00	0.00	9.57	0.00						51.10
7	% Shortage	1.52	0.49	0.00	0.00	0.21	0.00						0.45

C	Details of calculation	BIHAR	DVC	JHARKHAND	ODISHA	WEST BENGAL	SIKKIM	REGION
1	Availability	2165.22	1639.20	636.09	2365.97	4557.34	34.28	11398.10
2	Frequency Correction	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Load Shedding	33.40	8.13	0.00	0.00	9.58	0.00	51.11
4	Power Cuts	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Unrestricted Requirement(1+2+3+4)	2198.62	1647.33	636.09	2365.97	4566.91	34.28	11449.20

D	Peak Demand/Demand Met(Ex- Bus) (MW)	BIHAR	DVC	JHARKHAND	ODISHA	WEST BENGAL	SIKKIM	REGION
1	Peak Demand	3717	2459	1134	3989	7453	97	18211
2	Demand Met	3596	2459	1134	3989	7434	97	18075
3	Date & Time of Peak Demand Met							
4	Frequency Correction	0	0	0	0	0	0	
5	Load Shedding	121	0	0	0	19	0	
6	Power Cuts							
7	Shortage	121	0	0	0	19	0	135
8	% Shortage	3	0	0	0	0.25	0	1
9	Avg. of Daily Max. Shortage	NA	NA	NA	NA	NA	NA	NA
10	Max. of Daily Shortage	NA	NA	NA	NA	NA	NA	NA

E Frequency Profile of Eastern Regional Grid for July'2016

Frequency Range	<49.9	49.9-50.05	>50.05
	3.94	72.34	23.72

	INSTANT. MAXIMUM	INSTANT. MINIMUM	15 MINUTES BLOCK MAXIMUM	15 MINUTES BLOCK MINIMUM	MONTHLY AVERAGE
Frequency (HZ)	50.35	49.69	50.25	49.79	50.01
Date	02.08.16	07.08.16	02.08.16	25.08.16	
Time	7.59 hrs.	21.42 hrs.			

I PowerCuts/Restrictions on Industries, Load Shedding in the State			FORMAT- 28 Page 3/3	
1	BIHAR	Quantum of Power Cut(MW)	Restriction Timing	Total Energy Cut (Mkwh/Day)
a)	Power Cuts/ Restrictions on HT/LT Industries		NO NOTIFIED CUTS	
b)	Load Shedding			
c)	Any other Information			
	i) weekly Off			
	ii) Staggering of Power Supply			
2	JHARKHAND			
a)	Power Cuts/ Restrictions on HT/LT Industries		NO NOTIFIED CUTS	
b)	Load Shedding			
c)	Any other Information			
	i) weekly Off			
	ii) Staggering of Power Supply			
3	ODISHA			
a)	Power Cuts/ Restrictions on HT/LT Industries		NO NOTIFIED CUTS	
b)	Load Shedding			
c)	Any other Information			
	i) weekly Off			
	ii) Staggering of Power Supply			
4	WEST BENGAL			
a)	Power Cuts/ Restrictions on HT/LT Industries		NO NOTIFIED CUTS	
b)	Load Shedding			
c)	Any other Information			
	i) weekly Off			
	ii) Staggering of Power Supply			
II Power Supply to Agriculture Sector				
1	BIHAR			
a)	Three Phase Supply			
b)	Single Phase Supply			
c)	Remarks/Notes/Any other			ABOUT 18 HRS
2	JHARKHAND			
a)	Three Phase Supply			
b)	Single Phase Supply			
c)	Remarks/Notes/Any other			ABOUT 20 HRS
3	ORISSA			
a)	Three Phase Supply			
b)	Single Phase Supply			
c)	Remarks/Notes/Any other			24 HRS
4	WEST BENGAL			
a)	Three Phase Supply			
b)	Single Phase Supply			
c)	Remarks/Notes/Any other			ABOUT 23 HRS

No Major grid disturbance occurred in ER during July, 2016

(D.K.Bauri)
EE (O)