



पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

21-Feb-16

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	36191	42020	35573	16903	2257	132944
Peak Shortage (MW)	2393	141	500	100	109	3243
Energy Met (MU)	787	1014	863	346	39	3048
Hydro Gen(MU)	112	27	65	20	5	228
Wind Gen(MU)	5	23	11	-----	-----	39

B. Frequency Profile (%)

Region	<49.2	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
NEW GRID	0.00	0.00	0.00	5.64	5.61	73.03	21.32
SR GRID	0.00	0.00	0.00	5.64	5.61	73.03	21.32

C. Power Supply Position in States

Region/Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)
NR	Punjab	4343	0	85.2	50.2	-1.3	214
	Haryana	6041	0	107.8	71.0	-2.0	211
	Rajasthan	9694	0	206.5	73.6	2.8	456
	Delhi	3086	0	56.2	42.9	-1.4	192
	UP	10712	2305	232.3	106.0	2.1	677
	Uttarakhand	1824	0	34.8	21.2	3.9	313
	HP	1274	0	24.3	22.0	-1.4	76
	J&K	1911	478	36.2	34.8	-3.8	258
	Chandigarh	185	0	3.4	3.4	0.3	11
WR	Chhattisgarh	3578	96	82.4	29.2	-1.1	98
	Gujarat	12929	9	288.2	67.7	4.0	303
	MP	9689	0	199.9	124.9	-1.2	247
	Maharashtra	18903	5	402.4	112.0	-4.2	747
	Goa	432	0	8.8	7.7	0.5	61
	DD	300	0	6.7	6.5	0.2	49
	DNH	699	0	16.3	16.2	0.1	38
	Essar steel	406	0	8.6	8.5	0.0	148
	SR	Andhra Pradesh	7047	0	148.2	20.3	-0.8
Telangana		6031	0	139.0	84.3	3.3	325
Karnataka		9267	600	199.7	53.0	1.0	430
Kerala		3463	0	69.9	47.5	1.5	183
Tamil Nadu		13763	0	299.0	140.3	3.2	472
Pondy		309	0	6.7	6.6	0.1	36
ER	Bihar	3008	100	63.1	59.1	1.8	210
	DVC	2648	0	58.6	-17.5	-1.1	175
	Jharkhand	1008	0	20.8	12.1	-2.6	90
	Odisha	3954	0	65.5	26.1	-0.4	210
	West Bengal	7332	0	136.3	34.5	-0.5	155
	Sikkim	101	0	1.5	1.5	0.0	20
NER	Arunachal Pradesh	122	3	2.0	1.6	0.3	44
	Assam	1307	62	21.4	15.1	1.5	191
	Manipur	143	3	2.3	2.2	0.0	27
	Meghalaya	306	0	5.4	4.5	-0.1	52
	Mizoram	84	1	1.4	1.0	0.4	33
	Nagaland	105	3	2.0	1.6	0.3	25
	Tripura	225	1	4.4	0.6	1.9	72

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.3	-6.6	-9.6
Max MW	153.8	-375.7	-464.0

E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	162.5	-171.3	75.3	-72.1	5.3	-0.4
Actual(MU)	155.4	-179.3	84.4	-73.4	9.1	-3.7
O/D/U/D(MU)	-7.0	-7.9	9.1	-1.3	3.8	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2938	11248	1460	1410	25	17081
State Sector	12400	12324	4282	5479	110	34595
Total	15338	23572	5742	6889	135	51676

सचिव(ऊर्जा)/ विशेष सचिव(ऊर्जा)/अतिरिक्त सचिव(ऊर्जा)/संयुक्त सचिव(पारिषद)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(वि०प्र०)/अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिड)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES									
								Date of Reporting : 21-Feb-16	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	765KV	GAYA-FATEHPUR	S/C	16	338	0.0	4.0	-4.0	
		SASARAM-FATEHPUR	S/C	0	37	3.0	0.0	3.0	
2		GAYA-BALIA	S/C	22	226	0.0	4.0	-4.0	
3	HVDC LINK	PUSAULI B/B	S/C	94	366	0.0	0.0	0.0	
4	400 KV	PUSAULI-SARNATH	S/C	72	362	0.0	7.0	-7.0	
5		PUSAULI -ALLAHABAD	D/C	0	140	0.0	1.0	-1.0	
6		MUZAFFARPUR-GORAKHPUR	D/C	0	0	4.0	0.0	4.0	
7		PATNA-BALIA	Q/C	322	691	0.0	12.0	-12.0	
8		BIHARSHARIFF-BALIA	D/C	0	0	3.0	0.0	3.0	
		BARH-GORAKHPUR	D/C	0	0	0.0	11.0	-11.0	
10	220 KV	PUSAULI-SAHUPURI	S/C	96	207	0.0	4.0	-4.0	
11	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
12		GARWAH-RIHAND	S/C	491	491	1.0	0.0	1.0	
13		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
14		KARMANASA-CHANDALI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	11.0	43.0	-32.0
Import/Export of ER (With WR)									
15	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	689	689	0.0	10.0	-10.0	
16		NEW RANCHI-DHARAMJAIGARH	D/C	0	265	0.0	2.0	-2.0	
17	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	22	1.0	0.0	1.0	
18		JHARSUGUDA-RAIGARH	S/C	0	0	2.0	0.0	2.0	
19		IBEUL-RAIGARH	S/C	0	0	1.0	0.0	1.0	
20		STERLITE-RAIGARH	D/C	67	308	0.0	6.0	-6.0	
21		RANCHI-SIPAT	D/C	0	0	3.0	0.0	3.0	
22	220 KV	BUDHIPADAR-RAIGARH	S/C	0	116	0.0	1.0	-1.0	
23		BUDHIPADAR-KORBA	D/C	0	79	2.0	0.0	2.0	
						ER-WR	9.0	19.0	-10.0
Import/Export of ER (With SR)									
24	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	353.0	388	0	18.0	-18.0	
25		TALCHER-KOLAR BIPOLE	D/C	724.0	2461	0	49.0	-49.0	
26	400 KV	TALCHER-I/C		216.0	686	0	12.00	-12.0	
27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0	0	0.0	
						ER-SR	0.0	67.0	-67.0
Import/Export of ER (With NER)									
27	400 KV	BINAGURI-BONGAIGAON	Q/C	181	660	0	11	-11	
28	220 KV	BIRPARA-SALAKATI	D/C	0	0	0	1	-1	
						ER-NER	0.0	12.0	-12.0
Import/Export of NR (With NER)									
29	HVDC	BISWANATH CHARIAL-AGRA	-	0	0	0	0	0.0	
						NR-NER	0.0	0.0	0.0
Import/Export of WR (With NR)									
30	HVDC	V'CHAL B/B	D/C	400	50	2.9	0.2	2.7	
31	765 KV	GWALIOR-AGRA	D/C	0	2724	0.0	62.4	-62.4	
32	765 KV	PHAGI-GWALIOR	D/C	0	1204	0.0	22.9	-22.9	
33	400 KV	ZERDA-KANKROLI	S/C	255	0	2.6	0.0	2.6	
34	400 KV	ZERDA -BHINMAL	S/C	212	146	0.8	0.0	0.8	
35	400 KV	V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
36	400KV	RAPP-SHUJALPUR	D/C	0	0	0.0	0.0	0.0	
37	220 KV	BADOD-KOTA	S/C	40	19	0.4	0.0	0.3	
38		BADOD-MORAK	S/C	25	25	0.1	0.1	0.0	
39		MEHGAON-AURAIYA	S/C	87	0	1.5	0.0	1.5	
40		MALANPUR-AURAIYA	S/C	46	0	0.6	0.0	0.6	
41	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	8.9	85.7	-76.9
42	HVDC	APL -MHG	D/C	0	2317	0	48	-47.7	
Import/Export of WR (With SR)									
43	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9	
44		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
45	765 KV	SOLAPUR-RAICHUR	D/C	0	2335	0.0	41.2	-41.2	
46	400 KV	KOLHAPUR-KUDGI	D/C	30	229	0.0	2.2	-2.2	
47	220 KV	KOLHAPUR-CHIKODI	D/C	0	197	0.0	4.5	-4.5	
48		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
49		XELDEM-AMBEWADI	S/C	106	0	2.3	0.0	2.3	
						WR-SR	2.3	71.7	-69.4
TRANSNATIONAL EXCHANGE									
48		BHUTAN						1.3	
49		NEPAL						-6.6	
50		BANGLADESH						-9.6	

DATE OF REPORTING-21.02.2016

LINE OUTAGE REPORT FOR 20.02.2016

	Name of Line	Voltage (kV)	Region	Ownership	Outage		Revival	Reason of Outage/Remark
					Date	Time		
LINES OPENED DUE TO HIGH VOLTAGE								
IR Links								
1	BINAGURI-BONGAIGAON-II	400	ER/NER	PGCIL	03.02.16	2154	STILL OUT	HIGH VOLTAGE
NR								
1	CHAMERA POOL-JALANDHAR 2	400	NR	PGCIL	18.02.16	2033	STILL OUT	HIGH VOLTAGE
2	FATEHABAD-MOGA	400	NR	PGCIL	19.02.16	0255	STILL OUT	HIGH VOLTAGE
3	BHIWANI-DEHAR	400	NR	BBMB	19.02.16	2058	STILL OUT	HIGH VOLTAGE
4	ABDULLAPUR (PG) - SORANG HEP (HSPL)	400	NR	JPL	19.02.16	2126	STILL OUT	HIGH VOLTAGE
5	NALLAGARH(PG)-PARBATI POOL(PG)	400	NR	PKTCL	19.02.16	2128	STILL OUT	HIGH VOLTAGE
6	BHIWANI -MEERUT	765	NR	PGCIL	19.02.16	2132	STILL OUT	HIGH VOLTAGE
7	AGRA-FATEHPUR 2	765	NR	PGCIL	20.02.16	2203	STILL OUT	HIGH VOLTAGE
8	CHAMERA POOL-JALANDHAR 1	400	NR	PGCIL	20.02.16	0026	STILL OUT	HIGH VOLTAGE
9	BASPA(HP)-KARCHAMWANGTOO(JP) 1	400	NR	JPHYDRO	20.02.16	0058	STILL OUT	HIGH VOLTAGE
10	KISANPUR-SAMBA 2	400	NR	PGCIL	20.02.16	0215	STILL OUT	HIGH VOLTAGE
11	KISANPUR-SAMBA 1	400	NR	PGCIL	20.02.16	0215	STILL OUT	HIGH VOLTAGE
12	JALANDHAR-KURUKSHETRA(PG) 1	400	NR	PGCIL	20.02.16	0233	STILL OUT	HIGH VOLTAGE
13	K'WANGTOO (JP)-SORANG HEP (HSPL)	400	NR	JPL	20.02.16	0937	STILL OUT	HIGH VOLTAGE
14	BIKANER-MERTA	400	NR	RRVPLN	20.02.16	1705	STILL OUT	HIGH VOLTAGE
15	BALLABGARH-MAINPURI 1	400	NR	PGCIL	20.02.16	1713	STILL OUT	HIGH VOLTAGE
16	BASPA(HP)-JHAKRI(SJVN) 2	400	NR	JPHYDRO	20.02.16	2041	STILL OUT	HIGH VOLTAGE
17	DHURI(400KV) -TALWANDI SABO 1	400	NR	PSEB	20.02.16	2114	STILL OUT	HIGH VOLTAGE
18	MAKHU -MUKATSAR -1	400	NR	PSEB	20.02.16	2115	STILL OUT	HIGH VOLTAGE
19	MUKATSAR -TALWANDI SABO - 1	400	NR	PSEB	20.02.16	2116	STILL OUT	HIGH VOLTAGE
20	KOLDAM(NTPC)-LUDHIANA(PG) -2	400	NR	PKTCL	20.02.16	2134	STILL OUT	HIGH VOLTAGE
21	AGRA-BASSI 1	400	NR	PGCIL	20.02.16	2147	STILL OUT	HIGH VOLTAGE
22	AGRA-SIKAR 1	400	NR	PGCIL	20.02.16	2150	STILL OUT	HIGH VOLTAGE
23	AGRA-JAIPUR SOUTH-1	400	NR	PGCIL	20.02.16	2151	STILL OUT	HIGH VOLTAGE
24	AMRITSAR-PARB-POL 1	400	NR	PGCIL	20.02.16	2208	STILL OUT	HIGH VOLTAGE
25	CHAMERA I(NHPC)-JALANDHAR(PG) 2	400	NR	PGCIL	20.02.16	2242	STILL OUT	HIGH VOLTAGE
26	BAGLIHAR(JK)-KISHENPUR(PG) 2	400	NR	PDD JK	20.02.16	0212	STILL OUT	HIGH VOLTAGE
27	KHEDAR-NUHIYAWALI 2	400	NR	HVPNL	20.02.16	2131	STILL OUT	HIGH VOLTAGE
WR								
1	DURG-KOTRA--I	765	WR	PGCIL	02.02.16	1956	STILL OUT	HIGH VOLTAGE
2	SSP-RAJGARH-I	400	WR	MPPTCL	07.02.16	1333	STILL OUT	HIGH VOLTAGE
3	CHHEGOAN-JULWANIA S/C -I	400	WR	MPPTCL	08.02.16	1836	STILL OUT	HIGH VOLTAGE
4	BHUSAWAL-AURANGABAD S/C	400	WR	MSETCL	11.02.16	1405	STILL OUT	HIGH VOLTAGE
5	DHARAMJAYGARH(PG)-JABALPUR(PS)-I	765	WR	PGCIL	13.02.16	1421	STILL OUT	HIGH VOLTAGE
6	AURANGABAD-WARDHA-IV	765	WR	PGCIL	19.02.16	1742	STILL OUT	HIGH VOLTAGE
7	KARAD-KOLHAPUR-II	400	WR	MSETCL	20.02.16	1637	STILL OUT	HIGH VOLTAGE
8	SOLAPUR(PG)- KOLHAPUR(MSETCL)-I	400	WR	PGCIL	20.02.16	1712	STILL OUT	HIGH VOLTAGE
9	DHULE-SARDAR SAROVAR-I	400	WR	MSETCL	20.02.16	1720	STILL OUT	HIGH VOLTAGE
10	KHANDWA-RAJGARH-I	400	WR	PGCIL	20.02.16	1738	STILL OUT	HIGH VOLTAGE
11	JAIGAD-NEW KOYNA-I	400	WR	JSW	20.02.16	2050	STILL OUT	HIGH VOLTAGE
NER								
1	NEW MARIANI - MOKOKCHUNG I	220	NER	PGCIL	17.02.16	0738	STILL OUT	HIGH VOLTAGE
2	BALIPARA-BNC -IV	400	NER	PGCIL	14.02.16	2248	STILL OUT	HIGH VOLTAGE
3	BONGAIGAON-BALIPARA-IV	400	NER	PGCIL	18.02.16	0852	STILL OUT	HIGH VOLTAGE
4	NEW MARIANI - MOKOKCHUNG II	220	NER	PGCIL	18.02.16	1225	STILL OUT	HIGH VOLTAGE
ER								
1	TALA-BINAGURI-I	400	ER	PGCIL	11.12.15	0232	STILL OUT	HIGH VOLTAGE
SR								
1	SRSAILAM - MAMIDIPALLI	400	SR	APTRANSCO	22.01.16	2226	STILL OUT	HIGH VOLTAGE
2	VIAAYWADA - NELLORE -I	400	SR	PGCIL	20.02.16	1049	STILL OUT	HIGH VOLTAGE
3	VTPS - MALKARAM-I	400	SR	APTRANSCO	10.02.16	2345	STILL OUT	HIGH VOLTAGE
4	VEMAGIRI-KONASEEMA I	400	SR	APTRANSCO	10.02.16	1647	STILL OUT	HIGH VOLTAGE
5	VEMAGIRI-GOUTHAMI CCCP II	400	SR	APTRANSCO	10.02.16	1153	STILL OUT	HIGH VOLTAGE
6	KURNOOL-THIRUVALEM-I	765	SR	PGCIL	11.02.16	1956	STILL OUT	HIGH VOLTAGE
7	GOOTY-MADHUGIRI -II	400	SR	PGCIL	12.02.16	1731	STILL OUT	HIGH VOLTAGE
8	KUDGI-NARENDRA -II	400	SR	PGCIL	17.02.16	2058	STILL OUT	HIGH VOLTAGE

DATE OF REPORTING-21.02.2016

LINE OUTAGE REPORT FOR 20.02.2016

Name of Line	Voltage (kV)	Region	Ownership	Outage		Revival	Reason of Outage/Remark
				Date	Time		
LINES UNDER B/D							
CENTRAL SECTOR							
1	800	NR/NER	PGCIL	01.02.16	02:07	STILL OUT	TRIPPED ON DIFFERENTIAL PROTECTIO OPERATION TOWER COLLAPSED
2	765	ER	PGCIL	12.02.16	2015	STILL OUT	
STATE SECTOR							
1	400	NR	RRVNL	23.09.15	1702	STILL OUT	Y- PHASE TO E/F
2	400	WR	MEGPTCL	05.02.16	1816	STILL OUT	B-PHASE FAULT
3	400	SR	APTRANSCO	07.02.16	2120	STILL OUT	TRIPPED ON REALAY MAL OPERATION
4	400	WR	GETCO	20.02.16	1750	STILL OUT	B-N FAULT
5	400	NR	RRVNL	20.02.16	0511	STILL OUT	INSULATOR DISC FAILURE
6	400	NR	RRVNL	20.02.16	0749	STILL OUT	PHASE TO EARTH FAULT
LINES UNDER S/D							
CENTRAL SECTOR							
1	400	ER	PGCIL	04.12.15	0930	STILL OUT	FOR RECONDUCTORING OF LINE
2	765	SR	PGCIL	20.01.16	0815	STILL OUT	CONSTRUCTION WORK
3	400	ER	PGCIL	11.02.16	0918	STILL OUT	S/D TAKEN BY TALA
4	400	NR	PGCIL	12.02.16	1217	STILL OUT	DIVERSION OF LINE
5	400	NR	PGCIL	13.02.16	0840	STILL OUT	DIVERSION OF LINE
6	400	NR	PGCIL	18.02.16	1400	STILL OUT	AGITATION AROUND KABULPUR S/S
7	400	NR	PGCIL	18.02.16	1400	STILL OUT	AGITATION AROUND KABULPUR S/S
8	400	WR	NTPC	19.02.16	1251	STILL OUT	COMMISSIONING OF ICT AT SOLAPUR(NTPC)
9	220	NER	PGCIL	19.02.16	1018	STILL OUT	S/D AVAILED BY POWERGRID
10	400	WR	PGCIL	19.02.16	1221	STILL OUT	ATTENDING PROBLEM OF ISOLATOR
11	220	SR	PGCIL	20.02.16	0902	STILL OUT	STRINGING WORK
STATE SECTOR							
1	220	SR	KAR	05.02.16	0742	STILL OUT	UNDER EMERGENCY S/D
2	400	WR	MSETCL	11.02.16	1840	STILL OUT	LINE SWAPING
3	400	NR	HVPNL	18.02.16	1400	STILL OUT	AGITATION AROUND KABULPUR S/S
4	400	NR	HVPNL	18.02.16	1400	STILL OUT	AGITATION AROUND KABULPUR S/S
5	400	NR	HVPNL	18.02.16	1400	STILL OUT	AGITATION AROUND KABULPUR S/S
6	400	NR	HVPNL	18.02.16	1400	STILL OUT	AGITATION AROUND KABULPUR S/S
7	400	SR	APTRANSCO	20.02.16	1620	STILL OUT	UNDER EMERGENCY S/D
8	400	SR	APTRANSCO	20.02.16	1535	STILL OUT	OIL LEAKAGE AT REACTOR BUSHING
9	400	NR	UPPTCL	20.02.16	0830	STILL OUT	REPLACEMENT OF DAMAGED TOWER
SYSTEM CONSTRAINTS							
CENTRAL SECTOR							
NIL							
STATE SECTOR							
1	220	ER/SR	OPTCL	03.07.15	1345	STILL OUT	IDLE CHARGED
2	400	WR	GETCO	19.02.16	0954	STILL OUT	L/L CONTROL IN DOWNSTREAM
3	400	WR	GETCO	19.02.16	1101	STILL OUT	TO CONTROL LINE LOADING OF ICT AT UKAI

1). All India Power System Scenario - Comparison with the same week of previous year

Date of Reporting: 21.02.16

Northern Region

	14.02.16 TO 20.02.16	14.02.15 TO 20.02.15	% Increase
Peak Demand	37490	32030	17.0
Peak Shortage	1691	1497	13.0
Energy Met	831	808	2.9
Hydro	109	109	0.0
Wind	19	8	140.7

Eastern Region

	14.02.16 TO 20.02.16	14.02.15 TO 20.02.15	% Increase
Peak Demand	16746	14967	11.9
Peak Shortage	183	234	-21.7
Energy Met	338	313	8.0
Hydro	15	19	-19.5
Wind	-	-	-

Western Region

	14.02.16 TO 20.02.16	14.02.15 TO 20.02.15	% Increase
Peak Demand	41429	39171	5.8
Peak Shortage	133	260	-48.9
Energy Met	990	950	4.2
Hydro	28	40	-30.5
Wind	30	12	145.3

North-Eastern Region

	14.02.16 TO 20.02.16	14.02.15 TO 20.02.15	% Increase
Peak Demand	2249	2070	8.6
Peak Shortage	103	145	-29.4
Energy Met	38	35	8.1
Hydro	5	4	29.6
Wind	-	-	-

Southern Region

	14.02.16 TO 20.02.16	14.02.15 TO 20.02.15	% Increase
Peak Demand	35068	33770	3.8
Peak Shortage	507	1734	-70.7
Energy Met	842	815	3.4
Hydro	56	88	-36.2
Wind	24	10	142.9

All India Summary

	14.02.16 TO 20.02.16	14.02.15 TO 20.02.15	% Increase
Peak Demand	132982	122008	9.0
Peak Shortage	2617	3869	-32.4
Energy Met	3039	2921	4.1
Hydro	214	260	-17.9
Wind	73	30	143.3
Gen Outage	52134	46107	13.1

All India Frequency Profile

Date	<49.0		49.0-49.2		49.2-49.7		AVE. Freq.	FVI
	20.02.2016	20.02.2015	20.02.2016	20.02.2015	20.02.2016	20.02.2015	20.02.2016	20.02.2016
NEW GRID	0.0	0.0	0.0	0.0	0.0	0.0	50.00	0.041
SR GRID	0.0	0.0	0.0	0.0	0.0	0.0	50.00	0.041

Date	49.7-50.0		50.0-50.2		49.7-50.2		> 50.2	
	20.02.2016	20.02.2015	20.02.2016	20.02.2015	20.02.2016	20.02.2015	20.02.2016	20.02.2015
NEW GRID	49.0	46.5	50.7	51.4	99.7	97.8	0.3	2.2
SR GRID	49.0	46.5	50.7	51.4	99.7	97.8	0.3	2.2

2). Market Data (Power Exchange)

For Date: 21.02.16

Volume

Exchange	Provisional (MUs)	Final (MUs)
PXI	0.10	0.10
IEX	90.00	88.56
Total	90.10	88.66

Congestion

Link	Time Block
ER-SR	21-40, 47-57, 61-80, 84-90
SR DRAWAL	21-40, 47-57, 61-80, 84-90
WR-SR	01-96
NR DRAWAL	NIL
ER - NR	NIL
WR-NR	NIL

(C). GENERATION LOSS DUE TO LESS REQUISITION /HIGH COST

Date of Reporting:21.02.2016

	Station Name	Fuel Type	Installed Capacity (MW)	UNITS		Average Declared Capacity	Average Schedule	Less Requisition
				S/D	Fuel Shortage			
NR	ANTA	GAS	419			0	0	0
		RLNG				415	0	415
		LF				0	0	0
		Total				415	0	415
	AURAIYA	GAS	663			473	284	189
		RLNG				183	0	183
		LF				0	0	0
		Total				656	284	372
	DADRI	GAS	830			811	473	338
		RLNG				5	0	5
		LF				0	0	0
		Total				816	473	343
		NR TOTAL	1912			1887	757	1130
WR	KAWAS	GAS	656			0	0	0
		NAPM				0	0	0
		RLNG				640	0	640
		LF				0	0	0
		Total		0	0	640	0	640
	GANDHAR	GAS	657			283	90	192
		NAPM				0	0	0
		RLNG				363	0	363
		Total		0	0	645	90	555
	RGPPL	GAS	1967			0	0	0
		RLNG				0	0	0
		RLNG-EBID				620	503	117
		Total		0	0	620	503	117
		WR TOTAL	3280	0	0	1905	593	1312

Note:-

Report of loss of generation in respect of ISGS stations of WR and NR due to less requisition/high cost.

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 20.02.2016
Date of Reporting : 21.02.2016



I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 Hrs) MW			Freq* (Hz)	Off Peak (03:00 Hrs) MW			Demand Met	Day Energy (Net MU)	
	Shortage	Requirement			Shortage	Requirement			Demand Met	Shortage
36191	2393	38584		50.09	28582	906	29487	50.12	786.7	44.57

* Half hourly (two 15 minutes block—one block each before and after the designated time) average frequency

II. A. State's Load Details (At States periphery) in MUs:

State	State's Control Area Generation (Net MU)				Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	UI [OD:(+ve), UD: (-ve)] Shortages *	
	Thermal	Hydro	Renewable/others \$	Total					(MU)	(MU)
Punjab	29.21	7.11		36.32	50.20	48.87	-1.32	85.19	0.00	
Haryana	38.44	0.28		38.72	71.00	69.04	-1.96	107.76	0.00	
Rajasthan	119.86	4.39	5.82	130.07	73.84	76.43	2.79	206.50	0.00	
Delhi	14.71			14.71	42.95	41.54	-1.41	56.25	0.01	
UP	120.11	4.10		124.21	106.00	108.13	2.13	232.34	36.01	
Uttarakhand		9.73		9.73	21.20	25.06	3.86	34.79	0.00	
HP		3.65		3.65	22.01	20.65	-1.36	24.29	0.00	
J & K		5.26	0.00	5.26	34.79	30.96	-3.83	36.21	8.55	
Chandigarh				0.00	3.38	3.37	0.27	3.37	0.00	
Total	322.33	34.50	5.82	362.65	425.14	424.04	-0.82	786.69	44.57	

* Shortage furnished by the respective constituent. \$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

State	Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)] # Max(hourly) Demand Met of Day (MW)	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
Punjab	4247	0	109	-36	2558	0	-266	221		4343
Haryana	6041	0	-12	-42	3149	0	34	-386		6041
Rajasthan	8454	0	133	644	8184	0	29	652		9694
Delhi	2573	5	-414	-701	1439	0	30	-1589		3086
UP	9996	1920	233	-603	10060	710	159	130		10712
Uttarakhand	1740	0	-17	-425	1191	0	129	305		1824
HP	1088	0	-153	318	802	0	50	353		1274
J&K	1873	468	-89	840	1109	196	-385	724		1911
Chandigarh	179	0	-13	-15	90	0	5	-30		185
Total	36191	2393	-223	830	28582	906	-215	379		37842

STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.03

III. Regional Entities :

Entity	Station/Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
				(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1890	2007	1643	43.23	1801	43.17	0.06
	Rihand I STPS (2*500)	1000	846	695	677	17.25	719	16.96	0.30
	Rihand II STPS (2*500)	1000	958	1023	719	19.63	818	19.19	0.45
	Rihand III STPS (2*500)	1000	883	1009	743	18.59	774	18.44	0.14
	Dadri I STPS (4*210)	840	815	556	556	13.51	563	13.82	-0.31
	Dadri II STPS (2*490)	980	980	665	681	16.66	694	17.16	-0.50
	Unchahar I TPS (2*210)	420	406	379	323	7.83	326	7.94	-0.11
	Unchahar II TPS (2*210)	420	404	355	318	7.18	299	7.21	-0.03
	Unchahar III TPS (1*220)	210	202	157	154	3.57	149	3.69	-0.12
	ISTPP (Jhajhar) (3*500)	1500	950	604	589	13.55	565	13.68	-0.13
	Dadri GPS (4*130.19+2*154.51)	830	816	479	495	10.98	458	11.35	-0.37
	Anta GPS (3*88.71+1*153.2)	419	415	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	655	269	306	6.54	273	6.81	-0.27
	Dadri Solar	5	1	0	0	0.01	0	0.02	-0.01
	Unchahar Solar	10	1	0	0	0.01	1	0.03	-0.01
	Singrauli Solar	15	2	0	0	0.04	2	0.05	-0.01
	Sub Total (A)	12112	10659	8633	7204	180	7499	181	-1
	B. NPC	NAPS (2*220)	440	410	432	410	9.59	400	9.84
RAPS- B (2*220)		440	383	422	424	9.15	381	9.19	-0.04
RAPS- C (2*220)		440	425	452	450	9.74	406	10.20	-0.46
Sub Total (B)		1320	1218	1306	1314	28.49	1187	29.23	-0.75
C. NHPC	Chamera I HPS (3*180)	540	360	361	0	2.81	117	2.49	0.32
	Chamera II HPS (3*100)	300	200	210	0	1.59	66	1.48	0.10
	Chamera III HPS (3*77)	231	190	232	0	0.87	36	0.74	0.13
	Bairasuli HPS (3*60)	180	180	184	0	1.60	67	1.52	0.08
	Salal-HPS (6*115)	690	179	345	105	4.83	201	4.25	0.58
	Tanakpur-HPS (3*40)	94	15	30	14	0.39	16	0.36	0.03
	Uri-I HPS (4*120)	480	299	340	211	7.60	317	7.12	0.49
	Uri-II HPS (4*60)	240	174	178	160	4.21	175	4.15	0.06
	Dhauliganga-HPS (4*70)	280	280	215	0	0.63	26	0.56	0.07
	Dulhasi-HPS (3*130)	390	387	401	0	2.71	113	2.59	0.11
	Sewa-II HPS (3*40)	120	119	124	0	1.41	59	1.46	-0.05
	Parbati 3 (4*130)	520	31	132	0	0.64	27	0.47	0.17
Sub Total (C)	4065	2415	2752	490	29	1220	27	2	
D.SJVNL	NJPC (6*250)	1500	1605	1393	0	6.29	262	6.22	0.07
	Rampur HEP (6*68.67)	412	442	386	0	1.75	73	1.73	0.01
Sub Total (D)	1912	2047	1779	0	8.03	335	7.95	0.08	
E. THDC	Tehri HPS (4*250)	1000	774	772	0	7.51	313	7.50	0.01
	Koteshwar HPS (4*100)	400	130	402	90	3.17	132	3.13	0.04
Sub Total (E)	1400	904	1174	90	10.68	445	10.63	0.05	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	659	1214	393	16.03	668	15.82	0.21
	Dehar HPS (6*165)	990	132	495	0	3.15	131	3.16	-0.01
	Pong HPS (6*66)	396	194	300	60	4.45	185	4.65	-0.21
	Sub Total (F)	2765	985	2009	453	23.63	985	23.63	-0.01
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.40	17	0.41	0.00
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.38	141	3.60	-0.22
	Malana Stg-II HPS (2*50)	100	0	0	0	0.16	7	0.15	0.01
	Shree Cement TPS (2*150)	300	0	147	147	3.48	145	3.60	-0.11
	Budhi HPS(IPP) (2*35)	70	0	34	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	812	147	7.56	315	7.89	-0.33
H. Total Regional Entities (A-G)	25237	18228	18465	9698	287.66	11986	287.35	0.31	

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	160	160	3.51	146
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.08	-3
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	917	707	18.40	767
	Talwandi Saboo (2*660)	1320	342	332	7.40	308
	Thermal (Total)	5360	1419	1199	29.21	1217
	Total Hydro	1000	302	266	7.11	296
	Total Punjab	6360	1721	1465	36.32	1513
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	612	604	13.61
DCRTPP (Yamuna nagar) (2*300)		600	546	478	11.32	472
Faridabad GPS (NTPC)		432	159	157	4.00	167
RGTPP (Khedar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	544	368	9.51	396
Thermal (Total)		4944	1861	1607	38.44	1602
Total Hydro		62	6	10	0.28	11
Total Haryana		5006	1867	1617	38.72	1613
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	859	851	21.64
	suratgarh TPS (6*250)	1500	568	387	11.60	483
	Chabra TPS (4*250)	1000	571	592	14.74	614
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	60	80	1.15	48
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	90	90	1.97	82
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	651	949	22.13	922
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	931	845	20.97	874
	Kawai(Adani) (2*660)	1320	939	1174	25.67	1069
	Thermal (Total)	8876	4669	4968	120	4994
	Total Hydro	550	190	140	4.39	183
	Wind power	3214	170	368	5.30	221
	Biomass	99	21	21	0.50	21
	Solar	730	0	0	0.02	1
	Renewable/Others (Total)	4043	191	389	5.82	242
	Total Rajasthan	13469	5050	5497	130.07	5420
	UP	Anpara TPS (3*210+2*500)	1630	1387	1390	32.50
Obra TPS (2*50+2*94+5*200)		1194	434	465	10.80	450
Paricha TPS (2*110+2*220+2*250)		1140	496	563	12.50	521
Panki TPS (2*105)		210	0	0	0.00	0
Harduaaganj TPS (1*60+1*105+2*250)		665	223	220	5.40	225
Tanda TPS (NTPC) (4*110)		440	358	284	8.01	334
Roza TPS (IPP) (4*300)		1200	766	829	18.90	788
Anpara-C (IPP) (2*600)		1200	538	540	12.80	533
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0
Anpara-D(1*500)		500	0	0	0.00	0
Lalitpur TPS(2*660)		1320	0	0	0.00	0
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		11269	4202	4291	101	4205
Vishnuparyag HPS (IPP)(4*110)		440	0	60	0.50	21
Alakanada(4*82.5)		330	0	0	0.40	17
Other Hydro		527	167	224	3.20	133
Cogeneration		981	800	800	19.20	800
Total UP		13547	5169	5375	124	5175
Uttarakhand	Total Hydro	1398	576	291	9.73	405
	Total Uttarakhand	1398	576	291	9.73	405
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	36	35	0.91	38
	Praagati Gas Turbine (2x104+ 1x122)	330	140	141	3.37	140
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	252	6.04	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	162	165	4.41	184
	Thermal (Total)	2917	588	593	14.71	613
	Total Delhi	2917	588	593	14.71	613
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.00	0
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8
	Other Hydro	878	195	62	3.46	144
	Total HP	1264	195	62	3.65	152
J & K	Baglihar HPS (IPP) (3*150)	450	141	144	3.29	137
	Other Hydro/IPP	560	107	63	1.97	82
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	248	207	5.26	219
Total State Control Area Generation		45161	15414	15107	362.65	15110
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			7094.4	6231.03	148.81	6200
Total Regional Availability(Gross)		70398	40973	31036	799.12	33297

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8779	1033	76.97	3207
State Control Area Hydro	6581	1684	1260	34	1437
Total Regional Hydro	18815	10463	2293	111.46	4644

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	MW	MW	Import	Export	Import	Export	
	Vindhyachal(HVDC B/B)	50	-150	50	400	0.20	2.90	-2.70	
765 KV Gwalior-Agra (D/C)	2413	2185	3246	0	62.06	0.00	62.06		
400 KV Zarda-Kankroli	24	236	0	256	0.00	2.57	-2.57		
400 KV Zarda-Bhimnal	95	-170	148	212	0.00	0.76	-0.76		
220 KV Auraiya-Malanpur	-77	-118	0	134	0.00	2.12	-2.12		
220 KV Badod-Kota/Morak	-4	-13	22	39	0.00	0.27	-0.27		
Mundra-Mohindergarh (HVDC Bipole)	1902	1902	2304	0	47.73	0.00	47.73		
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	953	687	1194	0	22.48	0.00	22.48		
Sub Total WR	5356	4559			132.47	8.63	123.83		
Pusauli Bypass/HVDC	400	400	400	0	8.42	0.00	8.42		
400 KV MZP- GKP (D/C)	567	494	0	600	0.00	9.83	-9.83		
400 KV Patna-Balia(D/C) X 2	428	500	688	0	12.87	0.00	12.87		
400 KV B' Sharif-Balia (D/C)	-250	-198	0	260	0.00	3.47	-3.47		
765 KV Gaya-Balia	124	84	194	0	1.52	0.00	1.52		
765 KV Gaya-Fatehpur	112	30	316	0	3.74	0.00	3.74		
220 KV Pusauli-Sahupuri	170	186	191	0	3.60	0.00	3.60		
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96		
132 KV Son Ngr-Rihand	-40	-40	0	40	0.00	0.86	-0.86		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-185	-244	59	254	0.00	2.81	-2.81		
400 KV Barh -GKP (D/C)	412	460	532	0	10.85	0.00	10.85		
Sub Total ER	1738	1672			41.95	16.97	24.98		
+/- 800 KV BiswanathCharialli-Agra	0	0	0	0	0.00	0.00	0.00		
Sub Total NER	0	0			0.00	0.00	0.00		
Total IR Exch	7094	6231			174.42	25.61	148.81		

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdli (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
29.85	0.04	29.88	3.33	1.41	0.03	21.70	0.00	0.00
Total IR Schedule (MU)			Total IR Actual (MU)		Net IR UI (MU)			
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total
33.25	129.09	162.33	24.98	123.83	148.81	-8.27	-5.26	-13.53

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	MW	MW	Import	Export	Import	Export	
	132 KV Tanakpur - Mahendarnagar	-29	-31	0	32	0	1	-0.70	

VI. Frequency Profile <----- % of Time Frequency ----->

<49.2	<49.7	<49.8	<49.9	<50.0	49.9-50.05	50.05-50.10	50.10-50.20	>50.20	>50.50
0.00	0.00	0.00	5.61	49.01	73.07	15.10	6.01	0.29	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum	Minimum		MIN				MAX		
Freq	Time	Freq	Time	Hz	(Hz)	(Hz)	(Hz)	(Hz)	
50.26	13.02	49.81	10.09	50.00	0.041	0.064	50.16	0.00	26.93

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	406	03:01	399	09:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	21:43	388	01:11	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	21:20	398	10:07	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	21:20	401	10:06	0.0	0.0	0.0	0.0	0.0
Dadr	400	423	01:59	401	10:07	0.0	0.0	11.1	0.0	11.1
Ballabgarh	400	431	02:59	406	09:13	0.0	0.0	32.9	0.0	32.9
Bawana	400	431	21:20	406	09:14	0.0	0.0	37.4	0.3	37.4
Bassi	400	425	21:19	393	08:49	0.0	0.0	3.9	0.0	3.9
Hissar	400	424	21:20	396	08:50	0.0	0.0	2.4	0.0	2.4
Moga	400	424	02:02	399	09:15	0.0	0.0	10.6	0.0	10.6
Abdullapur	400	427	21:19	399	08:51	0.0	0.0	13.5	0.0	13.5
Nalagarh	400	437	21:20	405	09:13	0.0	0.0	59.8	5.5	59.8
Kishenpur	400	424	02:01	395	07:41	0.0	0.0	14.9	0.0	14.9
Wagoora	400	397	23:52	368	07:41	38.5	78.4	0.0	0.0	38.5
Amritsar	400	430	21:19	401	09:13	0.0	0.0	33.9	0.0	33.9
Kashipur	400	420	02:01	410	09:16	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	21:00	401	07:01	0.0	0.0	5.2	0.0	5.2
Rishkesh	400	415	21:25	389	09:09	0.0	0.4	0.0	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	772	02:03	737	08:50	0.0	3.8	0.0	0.0	0.0
Balia	765	764	21:55	739	10:09	0.0	0.8	0.0	0.0	0.0
Moga	765	808	21:20	760	08:49	0.0	0.0	11.5	0.0	11.5
Agra	765	789	02:01	746	08:49	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	806	21:16	768	12:05	0.0	0.0	5.2	0.0	5.2
Unnao	765	766	03:01	738	10:07	0.0	1.8	0.0	0.0	0.0
Lucknow	765	782	21:54	752	10:07	0.0	0.0	0.0	0.0	0.0
Meerut	765	817	21:21	764	08:49	0.0	0.0	21.0	0.0	21.0
Jhatikara	765					0.0	0.0	30.4	0.0	30.4
Bareilly 765 kV	765	787	21:25	751	09:13	0.0	0.0	0.0	0.0	0.0
Anta	765	778	21:22	757	08:40	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	21:20	746	08:45	0.0	0.0	0.0	0.0	0.0

IX. Reservoir Parameters:

Name of Reservoir	Parameters		Present Parameters		Last Year		Last day	
	FRL (m)	MDDL (m)	Level (m)	Energy (MU)	Level (m)	Energy (MU)	Inflow (m ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	490.13	738.95	484.81	585.65	123.35	510.55
Pong	426.72	384.05	400.45	230.85	399.24	203.01	37.83	321.85
Tehri	829.79	740.04	777.45	290.73	788.20	425.58	40.07	222.00
Koteshwar	612.50	598.50	610.99	4.95	610.56	4.95	222.00	208.90
Chamera-I	760.00	748.75	757.39	0.00	0.00	0.00	84.75	75.95
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	0.00	0.00	0.00	0.00	0.00	0.00
Jawahar Sagar	298.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	495.89	0.16	500.84	3.12	37.36	13.05

* NA: Not Available

X(A). Short-Term Open Access Details:

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-96	317	0	-322	285	0	-2.77	6.70	3.93
Delhi	-1038	-550	0	-704	3	0	-18.16	-3.97	-22.14
Haryana	-314	-72	0	-340	298	0	-8.84	5.63	-3.21
HP	214	139	0	534	-216	0	10.65	0.32	10.97
J&K	724	0	0	816	25	0	16.18	-0.14	16.04
CHD	-30	0	0	0	-15	0	-0.24	-0.12	-0.36
Rajasthan	-7	656	3	-7	648	3	8.49	14.92	23.41
UP	130	0	0	-603	0	0	-8.26	0.00	-8.26
Uttarakhand	193	112	0	193	233	0	4.75	2.97	7.72
Total	-226	602	3	-433	1260	3	1.79	26.32	28.10

X(B). Short-Term Open Access Details:

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-322	327	194	0	0
Delhi	-502	-1068	113	-555	0	0
Haryana	-314	-543	306	-202	0	0
HP	588	214	191	-613	0	0
J&K	816	589	98	-152	0	0
CHD	0	-30	0	-46	0	0
Rajasthan	843	-7	1140	406	3	1
UP	165	-624	0	0	0	0
Uttarakhand	221	193	307	1	0	0

XI. System Reliability Indices(Violation of TTC and ATC):

(i)%age of times N-1 Criteria was violated in the inter - regional corridors

WR	0.00%
ER	0.00%
Simultaneous	0.00%

(ii)%age of times ATC violated on the inter-regional corridors

WR	0.00%
ER	0.00%
Simultaneous	0.00%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
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XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 20.02.2016 :

Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :



पश्चिम क्षेत्रीय भार प्रेषण केंद्र / Western Regional Load Despatch Centre, मुंबई/Mumbai

रिपोर्ट तिथि / Date of Reporting

21/02/2016

पश्चिम क्षेत्रीय ग्रिड की दैनिक ऊर्जा उपलब्धता रिपोर्ट / Power Supply Position in Western Region for

20/02/2016

1. पश्चिम क्षेत्र में ऊर्जा उपलब्धता एवं मांग (Regional Availability / Requirement of Western Region)

सायं 19:00 बजे / 19:00 hrs			रात्री 03:00 बजे / 03:00 hrs			दैनिक ऊर्जा / Day Energy		अंतर-क्षेत्रीय आयात-निर्यात / Inter-regional Exchange		
उपलब्धता / Demand Met (MW)	अभाव / Shortage (MW)	मांग / Requirement (MW)	उपलब्धता / Demand Met (MW)	अभाव / Shortage (MW)	मांग / Requirement (MW)	उपलब्धता / Demand Met (MU)	अभाव / Shortage (MU)	शेड्यूल / Schedule (MU)	वास्तविक / Actual (MU)	विचलन / Deviation (MU)
42020	141	42161	38758	5	38763	1014	1	-170.1	-189.2	-19.0

2. फ्रिक्वेन्सी प्रोफाइल / Frequency Profile

तात्कालिक / Instantaneous			फ्रिक्वेन्सी प्रकारंतर सूचकांक / Frequency Variation Index	प्रतिशत समय फ्रिक्वेन्सी / % of time frequency						
अधिकतम / Maximum (Hz) / Time	न्यूनतम / Minimum (Hz) / Time	औसत / Average (Hz)		f < 49.2 Hz	f < 49.7 Hz	f < 49.9 Hz	f < 50.0 Hz	49.9 < f < 50.05	f > 50.05 Hz	f ≥ 50.1 Hz
50.26	49.81	50.00	0.04	0.00	0.00	5.61	49.11	73.03	21.32	6.20
13:02	10:09									

3. राज्य अथवा क्षेत्र में ऊर्जा उत्पादन, ग्रिड से आयात एवं अभाव / Generation, Drawal and Shortage in State or Control Area

राज्य / क्षेत्र State/Area	शुद्ध उत्पादन / Net Generation (MU)					ग्रिड से शुद्ध आयात / Net Drawal from Grid (MU)			खपत / Consumption (in MU)	अभाव / Shortage* (in MU)
	तापीय / Thermal	जलीय / Hydro	पवन / Wind	सौर-अन्य / Solar-Others	कुल / Total	शेड्यूल / Schedule	वास्तविक / Actual	अल्पावधि अभिगम / (Deviation)		
गुजरात / Gujarat	195.0	2.1	15.2	4.2	216.5	67.7	71.7	4.0	288.2	0.0
मध्य प्रदेश / Madhya Pradesh	58.5	13.2	2.5	2.1	76.3	124.9	123.6	-1.2	199.9	0.0
छत्तीसगढ़ / Chhattisgarh	54.2	0.1	0.0	0.0	54.3	29.2	28.1	-1.1	82.4	0.6
महाराष्ट्र / Maharashtra	278.2	9.8	5.6	1.1	294.7	112.0	107.8	-4.2	402.4	0.1
गोवा / Goa	0.6	0.0	0.0	0.0	0.6	7.7	8.2	0.5	8.8	0.0
दमन-द्यू / Daman & Diu	0.0	0.0	0.0	0.0	0.0	6.5	6.7	0.2	6.7	0.0
दादरा नगर हवेली / Dadra & Nagar Haveli	0.0	0.0	0.0	0.0	0.0	16.2	16.3	0.14	16.3	0.0
एस्सार स्टील / Essar Steel	0.0	0.0	0.0	0.0	0.0	8.5	8.6	0.0	8.6	0.0
पश्चिम क्षेत्रीय / Western Regional	586.5	25.2	23.3	7.4	642.4	372.6	371.1	-1.6	1013.5	0.7

Note: Shortage as reported by respective entities

Deviation/STOA/PX: [OD/Import: +ve], [UD/Export: -ve]

4. राज्य अथवा क्षेत्र में ऊर्जा कुल उपलब्धता / State's Demand Met

राज्य / क्षेत्र State/Area	सायं 19:00 बजे / 19:00 hrs		रात्री 03:00 बजे / 03:00 hrs		दैनिक शिखर Day Peak			विचलन / Deviation in 15-minute time block		
	उपलब्धता / Demand Met (MW)	अभाव / Shortage (MW)	उपलब्धता / Demand Met (MW)	अभाव / Shortage (MW)	उपलब्धता Max Demand Met / बजे Time (MW)	अभाव / Shortage (MW)	औसत / Average (MW)	अधिकतम / Maximum (MW)	न्यूनतम / Minimum (MW)	
गुजरात / Gujarat	11891	8	11693	0	12929	11.00	9	-13	303	-452
मध्य प्रदेश / Madhya Pradesh	8352	9	7567	0	9689	9.00	0	-35	247	-304
छत्तीसगढ़ / Chhattisgarh	3511	100	3137	0	3578	20.00	96	-43	98	-204
महाराष्ट्र / Maharashtra	16531	22	14719	5	18903	12.00	5	122	747	-302
गोवा / Goa	418	0	304	0	432	20.00	0	5	61	-73
दमन-द्यू / Daman & Diu	294	0	261	0	300	16.00	0	2	49	-25
दादरा नगर हवेली / Dadra & Nagar Haveli	692	1	675	0	699	20.00	0	-5	38	-35
एस्सार स्टील / Essar Steel	331	0	402	0	406	13.00	0	-2	148	-190
पश्चिम क्षेत्रीय / Western Regional	42020	141	38758	5						

5. क्षेत्रीय इकाई उत्पादन केंद्र में उत्पादन स्थिति / Regional Entity-Generators (CGS/UMPP)

स्टेशन/ Station	संस्थापित क्षमता/ Installed Capacity	घोषित क्षमता/ ON Bar Declared Capability (Maximum)	वास्तविक उत्पादन/ Actual Generation (Ex-bus)			दैनिक उत्पादन / Day Generation (Ex-bus)			विचलन/ Deviation in 15-minute time block	
			शिखर समय / Peak hour(Avg 15 min)	Off-Peak hour (Avg 15 min)	औसत/ Day Average	शैड्यूल/ Schedule	वास्तविक/ Actual	विचलन/ Deviation	अधिकतम/ Maximum	न्यूनतम/ Minimum
			(MW)	(MW)	(MW)	(MU)	(MU)	(MU)	(MW)	(MW)
कोरबा / Korba-I&II	2100	1780	1946	1911	1903	42.2	45.7	3.5	246	79
कोरबा/ Korba-III	500	472	464	463	461	11.3	11.1	-0.2	1	-32
विंध्याचल / VindhyaChal-I	1260	970	854	886	908	21.6	21.8	0.2	289	-149
विंध्याचल/ VindhyaChal-II	1000	935	887	726	839	20.7	20.1	-0.6	141	-113
विंध्याचल/ VindhyaChal-III	1000	943	832	828	829	20.7	19.9	-0.8	214	-108
विंध्याचल/ VindhyaChal-IV	1000	943	974	637	807	17.8	19.4	1.5	377	-91
सीपत/ Sipat-I	1980	1905	1942	1943	1913	45.2	45.9	0.8	233	-260
सीपत/ Sipat-II	1000	960	986	996	959	22.1	23.0	0.9	109	-25
मौदा-I / Mouda-I	1000	475	261	257	293	6.7	7.0	0.3	102	-49
सासन/ Sasan	3960	3722	3791	3549	3752	88.6	90.0	1.4	141	-97
मुंद्रा / Mundra	4150	2720	2724	2116	2533	61.3	60.8	-0.5	102	-345
एन एस पी सी एल / NSPCL	500	465	384	296	338	8.2	8.1	-0.1	53	-63
ककरापार/Kakrapar	440	206	189	153	175	4.8	4.2	-0.6	-4	-80
तारापुर / Tarapur I	320	155	151	154	153	3.7	3.7	0.0	0	-4
तारापुर/ Tarapur-II	1080	975	988	988	987	23.4	23.7	0.3	20	2
कवास/ Kawas	656	0	0	0	0	0.0	0.0	0.0	0	0
गंधार/ Gandhar	657	205	141	0	80	2.1	1.9	-0.2	64	-72
ई-बोली/E-Bid RGPPL	1000	620	485	490	488	12.1	11.7	-0.4	50	-40
सरदार सरोवर प्रोजेक्ट / SSP	1450	84	78	76	77	2.0	1.8	-0.2	-6	-10
शुद्ध / Total	25053	19510	18077	16470	17496	414.4	419.9	5.5		

Note:Source SCADA

6. क्षेत्रीय इकाई उत्पादन केंद्र में उत्पादन स्थिति / Regional Entity-Generators (IPP)

स्टेशन/ Station	संस्थापित क्षमता/ Installed Capacity	वास्तविक उत्पादन/ Actual Generation (Ex-bus)			दैनिक उत्पादन / Day Generation (Ex-bus)			विचलन/ Deviation in 15-minute time block	
		शिखर समय / Peak hour(Avg 15 min)	Off-Peak hour (Avg 15 min)	औसत/ Day Average	शैड्यूल/ Schedule	वास्तविक/ Actual	विचलन/ Deviation	अधिकतम/ Maximum	न्यूनतम/ Minimum
		(MW)	(MW)	(MW)	(MU)	(MU)	(MU)	(MW)	(MW)
एस्सर महान/ Essar Mahan	600	-1	-1	-1	0.0	0.0	0.0	1	-2
वंदना विद्युत / Vandana Vidyut	135	0	0	0	0.0	0.0	0.0	1	-1
बालको/ Balco	810	128	356	294	8.4	7.0	-1.3	40	-239
जे पी नीग्रि/ JP Nigrie	1320	707	688	816	18.9	19.6	0.7	84	-14
लंको /Lanco	600	536	448	530	12.5	12.7	0.3	113	-107
के एस के / KSK Mahnadi	1200	550	496	528	13.9	12.7	-1.2	26	-410
जिंदल/Jindal Stg-1	1000	697	510	582	10.7	14.0	3.3	100	-50
जिंदल/Jindal Stg-2	1980	554	430	456	10.4	10.4	0.0	90	-60
डी सी पी पी / DCPPI	540	196	102	186	4.2	4.5	0.3	72	-25
कोरबा वेस्ट / Korba West	600	573	361	504	11.9	12.1	0.2	78	-68
डी बी पावर/ DBPower	600	570	474	501	11.7	12.0	0.3	83	2
एम्को / EMCO	600	475	459	466	11.1	11.2	0.1	16	-7
ACBIL+ Spectrum+MCPL	350	337	334	335	7.8	8.0	0.2	13	7
धारीवाल/ Dhariwal	300	134	132	132	3.2	3.2	-0.1	8	-6
एसकेएस / SKS	0	0	0	0	0.0	0.0	0.0	0	0
आरकेएम / RKM	720	0	0	0	0.0	0.0	0.0	0	0
एमबी विद्युत / MB Power	600	600	500	538	12.9	13.9	1.0	50	-40
जीएमआर / GMR Chhattisgarh	685	0	0	0	0.0	0.0	0.0	0	0
डीजेन/ DGEN	1200	-5	-4	-5	0.0	-0.1	-0.1	-4	-7
शुद्ध / Total	13840	6049	5285	5863	137.6	141.2	3.6		

Note:Source SCADA

7. अंतर क्षेत्रीय विनिमय / Inter regional Exchange

क्षेत्र / Region	शैड्यूल/ Schedule (MU)	वास्तविक/ Actual (MU)	अधिकतम/ Maximum (MW)

उत्तरी क्षेत्र/ Northern Region	आयात / Import	9.0	8.9	1065
	निर्यात / Export	137.6	133.5	6485
	शुद्ध / Net	-128.6	-124.6	
पूर्वी क्षेत्र / Eastern Region	आयात / Import	27.3	16.9	1291
	निर्यात / Export	15.3	12.0	1005
	शुद्ध / Net	12.0	4.9	
दक्षिणी क्षेत्र/ Southern Region	आयात / Import	0.0	2.3	30
	निर्यात / Export	53.5	71.7	3564
	शुद्ध / Net	-53.5	-69.4	
पश्चिम क्षेत्रीय / WR Region	आयात / Import	36.3	28.1	2386
	निर्यात / Export	206.4	217.3	11054
	शुद्ध / Net	-170.1	-189.2	

Note : [Import: +ve], [Export: -ve]

8. विभव रूपरेखा / Voltage Profile-765 kV

उपकेंद्र/ Station	अधिकतम/ Maximum (Instantaneous)		न्यूनतम/ Minimum (Instantaneous)		प्रतिशत समय विभव/ % time voltage		
	केवी / kV	समय/Time	केवी / kV	समय/Time	< 728 kV	IEGC Band	> 800 kV
सीपत/Sipat	769	2:03	752	8:48	0	100	0
सियोनि/Seoni	785	2:01	752	10:15	0	100	0
वर्धा/Wardha	797	2:03	755	10:39	0	100	0
बीना/Bina	784	2:03	755	11:11	0	100	0
इंदौर/Indore	787	18:03	746	8:48	0	100	0
सासन/Sasan	771	1:18	757	10:17	0	100	0
सतना/Satna	781	2:03	756	10:56	0	100	0
तमनार/Tamnar	802	2:03	783	10:25	0	99	1
कोटरा/Kotra	802	2:01	782	9:21	0	100	0
दुर्ग/Durg	783	0:00	783	0:00	0	100	0

9. विभव रूपरेखा/ Voltage Profile-400 kV

उपकेंद्र/ Station	अधिकतम/ Maximum (Instantaneous)		न्यूनतम/ Minimum (Instantaneous)		प्रतिशत समय विभव/ % time voltage		
	केवी / kV	समय/Time	केवी / kV	समय/Time	<380 kV	IEGC Band	> 420 kV
भोपाल / Bhopal	415	18:06	396	10:15	0	100	0
खंडवा / Khandwa	426	18:03	406	10:15	0	79	21
इटारसी / Itarsi	414	2:01	395	10:12	0	100	0
दमोह / Damoh	428	18:08	403	10:25	0	84	16
नागदा / Nagda	414	14:05	390	22:42	0	100	0
रायपुर / Raipur	416	1:56	403	10:36	0	100	0
रायगढ़ / Raigarh	418	5:06	407	9:43	0	100	0
भिलाई/ Bhilai	416	13:03	399	22:13	0	100	0
वर्धा / Wardha	428	13:05	412	8:48	0	39	61
दुळे / Dhule	429	18:07	398	10:34	0	84	16
परली / Parli	427	3:01	390	10:49	0	88	12
बोईसर / Boisar	413	2:00	389	10:38	0	100	0
कलवा / Kalwa	431	1:40	404	8:45	0	62	38
असोज / Asoj	415	20:25	400	10:15	0	100	0
देहगाम / Dehgam	416	5:04	402	10:27	0	100	0
कासोर / Kasor	420	20:42	409	9:23	0	96	4
जैतपुर / Jetpur	415	12:37	403	10:11	0	100	0
अमरेली / Amreli	416	13:03	399	22:13	0	100	0
वापी / Vapi	413	2:00	389	10:38	0	100	0

STOA	BILATERAL		PX		BILATERAL		PX	
	(MUs)	(MUs)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
गुजरात / Gujarat	-24.2	-1.1	-75	596	-75	448		
मध्य प्रदेश/ Madhya Pradesh	18.7	-1.2	-169	-22	-169	-88		
छत्तीसगढ़/ Chattisgarh	8.9	-3.0	658	-139	658	-123		
महाराष्ट्र/ Maharashtra	13.2	-2.5	371	27	377	-405		
गोवा/ Goa	0.4	0.2	68	54	0	-20		
दमन-ड्यू/ Daman & Diu	0.3	1.2	24	51	0	51		
दादरा नगर हवेली/ Dadra & Nagar Haveli	3.2	4.2	48	174	0	174		
एस्सार स्टील/ Essar Steel	0.0	8.5	0	364	0	364		

POWER SYSTEM OPERATION CORPORATION LIMITED.



SOUTHERN REGIONAL LOAD DESPATCH CENTRE

DAILY OPERATION REPORT

POWER SUPPLY POSITION IN SOUTHERN REGION FOR 20-FEB-2016

DATE OF REPORTING : 21-FEB-2016 AT 06:00HRS

1. REGIONAL AVAILABILITY

EVENING PEAK (19:00HRS)			NIGHT OFF-PEAK (03:00HRS)*			DAY ENERGY (MU)	
AVAILABILITY (MW)*	SHORTAGE (MW)#	FREQUENCY (Hz)	AVAILABILITY (MW)*	SHORTAGE (MW)#	FREQUENCY (Hz)	MET	SHORTAGE #
35923	500	50.12	31032	300	50.03	862.47	12.52

* MW Availability indicated above includes SR ISTS Loss.

#Shortage is calculated at 50 Hz which is the sum of Load Shedding and Frequency Correction at 50 Hz.

2 A. STATE DEMAND (ENERGY - MU)

STATE	THERMAL	HYDRO	GAS/NAPTH A/ DIESEL	WIND	OTHERS	NET SCH (FROM GRID)	DRAWAL (FROM GRID)	AVAILABILITY	DEMAND MET	SHORTAGE #
AP	100.78	9.09	6.27	1.94	10.64	20.31	19.49	149.03	148.21	0.10
TELANGANA	42.57	0.00	0.00	0.00	8.76	84.30	87.62	135.63	138.95	0.11
KAR	67.06	19.99	4.46	3.31	50.79	53.05	54.10	198.66	199.71	12.12
KERALA	0.00	20.69	0.00	0.04	0.14	47.49	48.99	68.36	69.86	0.04
TN	102.34	15.32	7.34	5.23	25.36	140.27	143.42	295.86	299.01	0.15
PONDY	0.00	0.00	0.00	0.00	0.00	6.65	6.73	6.65	6.73	0.00
TOTAL	312.75	65.09	18.07	10.52	95.69	352.07	360.35	854.19	862.47	12.52

The accuracy of shortage computation depends on timely load shedding details furnished in the web directly by constituents

2 B. STATE DEMAND (MW) & ENERGY FORECAST (MU)

STATE	19:00 HRS PEAK		03:00 HRS OFF-PEAK		DAY PEAK			DAY ENERGY (MU)	
	DEMAND MET	SHORTAGE #	DEMAND MET	SHORTAGE #	DEMAND MET	TIME	SHORTAGE#	FORECAST	DEVIATION FROM FORECAST (ACTUAL + LS - FORECAST)
AP	5159	0	4932	0	7047	07:00:00		149.00	-0.79
TELANGANA	5294	0	5132	0	6031	07:59:00	2	139.00	-0.05
KAR	8240	500	7600	300	9267	08:00	500	200.06	11.65
KER	3381		2484	0	3463	20:00	8	67.72	2.14
TN	13190	0	10302	0	13763	19:00		292.16	6.85
PONDY	309	0	232	0	309	18:30	1	6.59	0.14
SR ISTS LOSS	350	--	350	--	--	--	--	--	--
SR	35923	500	31032	300	37256	07:38	500	854.53	19.94

3. GENERATION :

STATION	INSTALLED CAPACITY(MW)	19:00HRS PEAK MW	03:00HRS OFF-PEAK MW	DAY PEAK		DAY ENERGY (MU)	AVG MW
				MW	HRS		
ANDHRA PRADESH							
Vijayawada TPS (6x210+1x500)	1760	1295	1052	1402	10:08	30.41	1267
Rayalaseema TPS (5x210)	1050	762	740	979	06:52	19.99	833
Simhadri (IPP) (2x500)	1000	770	784	967	09:14	20.32	847
Krishnapatnam TPP (1*800)	1600	965	728	1058	15:51	18.42	768
Hinduja (1*525)	525	--	--	--	--	11.64	485
Total Thermal	5935	3792	3304	--	--	100.78	4200
Srisailem RB (7x110)	770	--	--	--	--	--	--
Lower Sileru (4x115)	460	195	80	203	09:05	4.13	172
Upper Sileru (4x60)	240	188	55	212	07:50	3.84	160
Other Hydro	278	18	13	--	--	1.12	47
Total Hydro	1748	401	148	--	--	9.09	379
Vijjeswaram Gas (2x33+1x34+1x112.5+1x59.5)	272	--	--	--	--	--	--
Reliance Energy Ltd.(1x140+1x80)	220	--	--	--	--	--	--
Jegrupadu (2x45.8+1x48.9+1x75.5)	216	64	48	94	13:31	1.46	61
Spectrum (1x46.8+2x46.1+1x68.88)	208	63	39	67	05:11	1.35	56
LANCO (2*115+1*125)	351	123	154	159	23:50	3.46	144
Vemegiri 1x233+1x137)	370	--	--	--	--	--	--
Jegrupadu Ext.	220	--	--	--	--	--	--
Konaseema (1x145+1x140+1x165)	450	--	--	--	--	--	--
Gauthami (2x145+1x174)	464	--	--	--	--	--	--
GMR(BRG) (1x237)	237	--	--	--	--	--	--
Other Gas/Naptha/Diesel	27	--	--	--	--	--	--
Total Gas/Naptha/Diesel	3035	250	241	--	--	6.27	261
Wind	430	49	175	175	03:00	1.94	81
Others	951	400	332	400	19:00	10.64	443
Total AP	12099	4892	4200	--	--	128.72	5364

STATION	INSTALLED CAPACITY(MW)	19:00HRS PEAK MW	03:00HRS OFF-PEAK MW	DAY PEAK		DAY ENERGY (MU)	AVG MW
				MW	HRS		
TELANGANA							
Kothagundam TPS (4x60+4x120+2x250+1x500)	1720	1289	1341	1452	06:51	32.15	1340
Kaktiya TPS (2x500)	1000	353	495	511	05:14	9.12	380
Ramagundam B (1x62.5)	63	55	55	58	19:46	1.30	54
Total Thermal	2783	1697	1891	--	--	42.57	1774
N'Sagar (1x110+7x100.8)	816	--	--	--	--	--	--
Srisailem LB (Gen) (6x150)	900	--	--	--	--	--	--
Srisailem LB (Pump)	900	--	--	--	--	--	--
Other Hydro	368	--	--	--	--	--	--
Total Hydro	2084	--	--	--	--	--	--
Others	333	--	--	--	--	8.76	365
Total TG	5200	1697	1891	--	--	51.33	2139
KARNATAKA							
Raichur TPS (7x210+1x250)	1720	1225	1110	1276	22:07	29.03	1210
Bellary TPS (2x500)	1000	886	611	924	06:46	20.12	838
UPCL(IPP) (2x600)	1200	1108	1095	1150	17:03	17.91	746
Jindal (2x130+4x300)	1460	--	--	--	--	--	--
Total Thermal	5380	3219	2816	--	--	67.06	2794
Sharavathi (10x103.5)	1035	--	--	--	--	--	--
Nagjheri (1x135+5x150)	885	290	299	729	10:14	9.27	386
Varahi (4x115)	460	130	50	454	07:54	3.09	129
Other Hydro	1992	514	204	--	--	7.63	318
Total Hydro	4372	934	553	--	--	19.99	833
Yelehanka Diesel (6x21.32)	128	--	--	--	--	--	--
Other Gas/Naptha/Diesel	118	--	--	--	--	4.46	186
Total Gas/Naptha/Diesel	246	--	--	--	--	4.46	186
Wind	2163	118	155	330	00:00	3.31	138
Others	1055	921	945	945	03:00	50.79	2116
Total KAR	13216	5192	4469	--	--	145.61	6067
KERALA							
Iddukki (6x130)	780	470	205	670	21:37	10.14	423
Sabarigiri (1x60+4x55)	280	194	159	327	19:07	2.86	119
Lower Periyar (3x60)	180	115	--	118	18:49	0.43	18
Other Hydro	751	471	178	--	--	7.26	303
Total Hydro	1991	1250	542	--	--	20.69	863
Kayamkulam (2x116.6+1x126.38)	360	--	--	--	--	--	--
Reliance Energy (3x40.5+1x35.5)	157	--	--	--	--	--	--
Brahmapuram DPP (5x21.32))	107	--	--	--	--	--	--
Kozhikode DPP (8x16)	128	--	--	--	--	--	--
Other Gas/Naptha/Diesel	22	--	--	--	--	--	--
Total Gas/Naptha/Diesel	774	--	--	--	--	--	--
Wind	35	--	--	--	--	0.04	2
Others	20	--	--	--	--	0.14	6
Total KER	2820	1250	542	--	--	20.87	871
TAMILNADU							
Ennore TPS (2x60+3x110)	450	--	35	40	00:08	0.44	18
North Chennai TPS (3x210)	630	534	458	552	18:17	14.38	599
Tutucorin TPS (5x210)	1050	932	794	952	18:07	22.69	945
Mettur TPS (4x210+1x600)	1440	1318	1070	1335	17:54	32.32	1347
Neyveli-I (IPP) (6x50+3x100)	600	458	421	502	18:14	8.41	350
ST-CMS (1x250)	250	--	--	--	--	--	--
NCTPS STAGE-II (2x600)	1200	976	832	1018	22:33	24.10	1004
Other Thermal	--	--	--	--	--	--	--
Total TN Thermal	5620	4218	3610	--	--	102.34	4263
Kadamparai (G) (4x100)	400	190	5	196	07:00	1.95	81
Kadamparai (P)	400	--	--	--	--	1.40	58
Other Hydro	1824	935	269	--	--	13.37	557
Total TN Hydro	2224	1125	274	--	--	15.32	638
Basin Bridge (4x30)	120	--	--	--	--	--	--
Kovilkalappal (1x70+1x37.88)	108	56	58	62	15:18	1.41	59
Kuttalam (1x64+1x37)	101	60	61	61	22:35	1.25	52
Valattur(Stg 1&2) (2x60+1x35+1x32)	187	88	88	88	00:42	2.07	86
Samalpatty (7x15.1)	106	--	--	--	--	--	--
P P Nallur (1x330.5)	331	--	--	--	--	--	--
Madurai Power CL (1x106)	106	--	--	--	--	--	--
GMR Vasavi (4x49)	196	--	--	--	--	--	--
Other Gas/Naptha/Diesel	1477	683	682	683	19:00	2.61	109
Total Gas/Naptha/Diesel	2732	887	889	--	--	7.34	306
Wind	7149	150	49	492	09:35	5.23	218
Others	806	58	58	58	19:00	25.36	1057
Total TN	18531	6438	4880	--	--	155.59	6482

STATION	INSTALLED CAPACITY(MW)	19:00HRS PEAK MW	03:00HRS OFF-PEAK MW	DAY PEAK		DAY ENERGY (MU)	AVG MW
				MW	HRS		
CENTRAL SECTOR (ISGS)							
Ramagundam,NTPC (3x200+4x500)	2600	2429	2415	3403	22:47	58.63	2443
Neyveli TPS II (7x210)	1470	1009	977	1208	01:59	24.10	1004
Neyveli TPS I (EXP) (2x210)	420	388	396	399	04:30	9.51	396
Madras APS (2x220)	440	378	382	390	05:25	8.84	368
Kaiga STGI (2x220)	440	399	402	405	11:47	10.22	426
Kaiga STG II (2x220)	440	438	438	438	19:00	10.56	440
Neyveli TPS II (EXP) (2x250)	500	21	15	26	21:59	0.11	5
Talcher II, NTPC (4x500)	2000	1871	1911	1935	00:51	45.53	1897
Simhadri II, NTPC (2x500)	1000	910	685	980	12:11	21.04	877
Kundakulam (1x1000)	1000	--	--	--	--	--	--
Total ISGS	10310	7843	7621	--	--	188.54	7856
JOINT VENTURE							
Vallur (3x500)	1500	1306	928	1339	23:10	25.96	1082
NTPL (2x500)	1000	839	741	867	14:41	19.03	793
Total JV	2500	2145	1669	--	--	44.99	1875
IPP UNDER OPEN ACCESS							
LKPPL STG2 (1x233+1x133)	366	--	--	--	--	--	--
LKPPL STG3 (1x241.3+1x126.7)	368	--	--	--	--	8.39	350
SIMHAPURI (2x150)	600	318	318	364	14:41	7.68	320
MEENAKSHI (2x150)	300	256	106	261	07:28	5.04	210
COSTAL ENERGEN (2x600)	1200	557	305	557	19:00	10.53	439
TPCIL (2x660)	1320	624	625	632	00:46	14.74	614
IL&FS (1x600)	600	541	305	541	19:00	10.25	427
Total IPP	4754	2296	1659	--	--	56.63	2360
Total State Thermal	20618	13500	12045	--	--	325.47	13561
Total ISGS Thermal	7990	6628	6399	--	--	158.92	6622
Total Thermal	28608	20128	18444	--	--	484.39	20183
Total Hydro	12419	3710	1517	--	--	65.09	2713
*Total Gas/Naptha/Diesel	7153	1137	1130	--	--	18.07	753
Total Nuclear	2320	1215	1222	--	--	29.62	1234
Total Wind	9777	317	379	--	--	10.52	439
Total Others	2832	1379	1335	--	--	86.93	3622
Inter-regional (Except Talcher II)	--	834	1664	--	--	180.57	7524
Grand Total	63109	28720	25691	--	--	862.47	35936

* Total Gas/ naptha/Diesel includes ponly Karaikal Power Plant of 32.5 MW

4 A. INTER-REGIONAL EXCHANGES & HVDC - PHYSICAL FLOWS [IMPORT(+)/EXPORT(-)]

ELEMENT	19:00 HRS PEAK MW	03:00 HRS OFF-PEAK MW	MAX INTER-CHANGE (MW)				ENERGY (MU)
			IMPORT	TIME	EXPORT	TIME	
Bhadrawati B2B	952	952	--	--	--	--	23.900
Gazuwaka B2B	751	648	758	22:34	--	--	17.189
Talcher-Kolar	1002	1975	2467	07:00	--	--	47.643
Talcher Stage II I/C	-869	64	--	--	--	--	2.118
Raichur-Solapur I & II	2036	1650	2418	19:01	--	--	41.186
Upper Sileru-Balimela	--	--	--	--	--	--	0.000
CHIKODI-KOHLAPUR	136	136	136	00:00	--	--	4.464
KUDUGI-KOHLAPUR	44	44	240	08:42	--	--	-1.850

4 B. INTER-REGIONAL EXCHANGES - SCHEDULES, WHEELING, UI & TALCHER AC I/C

ISGS Schedule		Bilaterals of SR constituents		Power Exchange		Wheeling through SR		Diversion of SR power		IR Schedule		Net UI		Inter-Regional	
Talcher Stage II to SR	ER ISGS	Through ER	Through WR	Through ER	Through WR	ER to SR	WR to SR	Through ER	Through WR	ER to SR	WR to SR	ER to SR	WR to SR	Schedule (Total)	Flow (Total)
41.002	1.381	1.586	0.000	13.717	0.000	0.000	0.000	0.000	0.000	21.740	53.529	-2.433	11.557	75.269	84.393

5. FREQUENCY PROFILE

% OF TIME										
RANGE	<48.8 Hz	<49.0 Hz	<49.2 Hz	<49.5 Hz	<49.7 Hz	<49.9 Hz	49.9 Hz To 50.05 Hz	>50 Hz	>50.05 Hz	
%	0.0	0.0	0.0	0.0	0.0	5.6	73.1	51.0	21.3	
Instantenous Maximum		Instantenous Minimum		Block Maximum		Block Minimum		Day Avg	Frequency Variation Index	Std. Var.
Hz	TIME	Hz	TIME	Hz	TIME	Hz	TIME	Hz		
50.26	13:02:40	49.81	10:09:50	50.13	13:15	49.90	15:45	50.00	0.041	0.064

6. SHORT TERM OPEN ACCESS TRANSACTION

WHEELING			BILATERAL			
NAME OF THE TRANSACTION	ER END	WR END	NAME OF THE TRANSACTION	MU	PEAK (MW)	OFF-PEAK (MW)
			STEELEX-TGPCC(STEELEX)(15MW)(SR-SR)	0.229	15.000	15.000
			SBQSTEELS-TGPCC(SBQSTEELS)(35MW)(SR-SR)	0.538	35.000	35.000
			SARDAMETAL-TGPCC(SARDALTD)(20MW)(SR-SR)	0.380	20.000	20.000
			GIRIJAALOY-TGPCC(GIRIJAALOY)(18MW)(SR-SR)	0.342	18.000	18.000
			ANARKALUM-TGPCC(ANARKALUM)(40MW)(SR-SR)	0.574	40.000	40.000
			SARDAMETAL-TGPCC(SARDALTD)(30MW)(SR-SR)	0.220	30.000	20.000
			GIRIJAALOY-TGPCC(GIRIJAALOY)(27MW)(SR-SR)	0.198	27.000	18.000
			APTRANSCO TOTAL EXPORT	2.481		
			JINDALPOW-APPCC(KISPL)(7.02MW)(ER-SR)	0.084	7.020	7.020
			APLMUNDRA3-APSPDCL(ADANI)(1.75MW)(ER-SR)	0.021	1.750	1.750
			SHRECEMTPS-APPCC(SCL)(0.88MW)(ER-SR)	0.011	0.880	0.880
			JPLSTAGE2-APPCC(NVVN)(4.39MW)(ER-SR)	0.053	4.390	4.390
			JPNIGRIE-APPCC(PTC)(3.51MW)(ER-SR)	0.042	3.510	3.510
			VEDANJARSU-APPCC(STERLITE)(5.27MW)(ER-SR)	0.063	5.270	5.270
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(6.5MW)(SR-SR)	0.156	6.500	6.500
			INDCEMVPUR-INDCEMCMKR(INDIACEM)(4.25MW)(SR-SR)	0.102	4.250	4.250
			MYHOMEIND-MYHOMEVGU(MYHOME)(4.45MW)(SR-SR)	0.107	4.450	4.450
			MYHOMEIND-JAYAJOTHI(MYHOME)(5MW)(SR-SR)	0.120	5.000	5.000
			LKPLST3-APSPDCL(LKPLST3)(175MW)(SR-SR)	4.200	175.000	175.000
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(9.2MW)(SR-SR)	0.221	9.200	9.200
			APTRANSCO TOTAL IMPORT	5.180		
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(6.5MW)(SR-SR)	0.156	6.500	6.500
			INDCEMVPUR-INDCEMCMKR(INDIACEM)(4.25MW)(SR-SR)	0.102	4.250	4.250
			MYHOMEIND-MYHOMEVGU(MYHOME)(4.45MW)(SR-SR)	0.107	4.450	4.450
			MYHOMEIND-JAYAJOTHI(MYHOME)(5MW)(SR-SR)	0.120	5.000	5.000
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(9.2MW)(SR-SR)	0.221	9.200	9.200
			TGTRANSCO TOTAL EXPORT	0.706		
			SHRECEMTPS-TGPCC(SCL)(0.88MW)(ER-SR)	0.011	0.880	0.880
			JPLSTAGE2-TGPCC(NVVN)(7.02MW)(ER-SR)	0.084	7.020	7.020
			JPNIGRIE-TGPCC(PTC)(3.07MW)(ER-SR)	0.037	3.070	3.070
			VEDANJARSU-TGPCC(STERLITE)(5.27MW)(ER-SR)	0.063	5.270	5.270
			MEENAKSHI-TGPCC(MEENAKSHI)(60MW)(SR-SR)	1.170	60.000	60.000
			MEENAKSHI-TGPCC(MEENAKSHI)(120MW)(SR-SR)	1.707	120.000	120.000
			STEELEX-TGPCC(STEELEX)(15MW)(SR-SR)	0.229	15.000	15.000
			THERMPOWER-TSSPDCL(TPCIL)(155MW)(SR-SR)	2.099	155.000	155.000
			SIMHAPURI-TGPCC(SEPL)(150MW)(SR-SR)	2.130	150.000	150.000
			SBQSTEELS-TGPCC(SBQSTEELS)(35MW)(SR-SR)	0.538	35.000	35.000
			SARDAMETAL-TGPCC(SARDALTD)(20MW)(SR-SR)	0.380	20.000	20.000
			GIRIJAALOY-TGPCC(GIRIJAALOY)(18MW)(SR-SR)	0.342	18.000	18.000
			ANARKALUM-TGPCC(ANARKALUM)(40MW)(SR-SR)	0.574	40.000	40.000
			LKPLST3-TSSPDCL(LKPLST3)(175MW)(SR-SR)	4.200	175.000	175.000
			SARDAMETAL-TGPCC(SARDALTD)(30MW)(SR-SR)	0.220	30.000	20.000
			MEENAKSHI-TGPCC(MEENAKSHI)(60MW)(SR-SR)	0.075	60.000	0.000
			MEENAKSHI-TGPCC(MEENAKSHI)(90MW)(SR-SR)	0.863	90.000	90.000
			GIRIJAALOY-TGPCC(GIRIJAALOY)(27MW)(SR-SR)	0.198	27.000	18.000
			TGTRANSCO TOTAL IMPORT	14.920		
			KPTCL TOTAL EXPORT	0.000		
			THERMPOWER-BESCOM(TATA)(7MW)(SR-SR)	0.168	7.000	7.000
			KPTCL TOTAL IMPORT	0.168		
			KSEB TOTAL EXPORT	0.000		
			BESRPL-KSEB(GMRETL)(100MW)(ER-SR)	0.900	100.000	100.000
			SIMHAPURI-KSEB(PTC)(50MW)(SR-SR)	1.200	50.000	50.000
			SIMHAPURI-KSEB(PTC)(100MW)(SR-SR)	2.400	100.000	100.000
			KSEB TOTAL IMPORT	4.500		
			TNEB TOTAL EXPORT	0.000		
			JINDALPOW-TANGEDCO(JPL)(8.78MW)(ER-SR)	0.105	8.780	8.780
			SHRECEMTPS-TANGEDCO(SCL)(1.76MW)(ER-SR)	0.021	1.760	1.760
			JINDALIND-TANGEDCO(NVVN)(3.55MW)(ER-SR)	0.043	3.550	3.550
			DBPOWER-TANGEDCO(PTC)(1.42MW)(ER-SR)	0.017	1.420	1.420
			JPNIGRIE-TANGEDCO(SCL)(2.63MW)(ER-SR)	0.032	2.630	2.630
			THERMPOWER-TNEB(ADANI)(98.8MW)(SR-SR)	2.371	98.800	98.800
			TNEB TOTAL IMPORT	2.589		
			GOA TOTAL EXPORT	0.000		
			GOA TOTAL IMPORT	0.000		
			LKPPL TOTAL EXPORT	0.000		

7. VOLTAGE LEVEL AT CRITICAL SUB STATION

SUBSTATION	% OF TIME (Minute Wise)				400 KV (Hourly)				220 KV / 230 KV (Hourly)			
	<380 KV	<390 KV	>420 KV	>430 KV	MAXIMUM		MINIMUM		MAXIMUM		MINIMUM	
					KV	TIME	KV	TIME	KV	TIME	KV	TIME
HYDERABAD	0.00	0.00	6.81	0.00	422	0002	407	1214	233	0000	223	1549
GOOTY	0.00	0.00	5.90	0.00	424	0202	405	1034	237	0301	226	1037
VIJAYWADA	0.00	0.00	39.10	0.00	428	0201	413	1131	232	0300	222	1130
KOLAR	0.00	0.00	0.00	0.00	413	0200	391	0949	220	1827	203	0941
BANGALORE	5.35	39.51	0.00	0.00	409	0001	376	1033	211	0201	188	1033
HIRIYUR	0.00	0.00	0.00	0.00	414	1805	12	2229	230	1804	213	1031
CHENNAI	0.00	0.00	0.00	0.00	405	0000	405	0000	224	0202	213	1052
TRICHY	0.00	16.32	0.00	0.00	407	0202	387	0924	224	0202	213	1052
TRIVENDRAM	0.00	17.50	0.00	0.00	416	2358	383	1006	228	2358	209	1006
KAIGA	0.00	0.00	0.00	0.00	416	1819	402	1036	300	0000	300	0000
KUDANKULAM	0.00	3.26	0.49	0.00	421	2357	388	1052	236	2358	220	1345

8. MAJOR RESERVOIR PARTICULARS

RESERVOIR	DESIGNED			PRESENT		LAST YEAR		LAST DAY		MONTH	
	MDDL (Mts)	FRL (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Inflow (Mus)	Usage (Mus)	Prog. Inflow (Mus)	Prog. Usage (Mus)
JALAPUT	818.39	838.40	534	834.21	361	834.27	363	0.00	2.14	9.40	40.10
SRISAILAM	243.84	270.70	1392	250.48	73	254.36	140	0.00	0.00	0.00	36.85
N.SAGAR	149.30	179.90	1398	155.08	0	162.03	218	0.00	0.00	47.72	19.26
LINGANAMAKKI	522.73	554.50	4557	543.29	1769	546.40	2370	0.00	0.00	2.44	232.47
SUPA	495.00	564.00	3159	538.10	1248	547.82	1835	0.06	6.97	1.43	61.11
IDUKKI	694.94	732.43	2148	717.26	1064	721.94	1372	0.00	6.40	13.61	105.56
KAKKI	908.30	981.45	916	970.32	556	972.40	611	0.00	3.22	6.56	53.37
NILAGIRIS	--	--	1504	--	919	--	999	0.03	2.10	17.53	35.66
TOTAL	--	--	15608	--	5990	--	7908	0.09	20.83	98.69	584.38

Note: The Reservoirs data are of previous day and Cumulative figures for the month is upto previous day

9. DETAILS OF OVER DRAWAL OVER A DAY WHEN FREQUENCY < 49.9 HZ

CONSTITUENTS	AP	TG	KARNATAKA	KERALA	TAMILNADU	PONDY
AVERAGE MW (F<49.9)	193.38	72.68	52.87	0.00	156.07	0.00
OD MU'S (F<49.9)	0.05	0.02	0.01	0.00	0.04	0.00
OD NO OF BLOCK(F<49.9)	1	1	1	0	1	0

GENERATOR	NLCII	NLCXPI	RSTP	SEPL	LANCO	MEPL
AVERAGE MW (F<49.9)	0.00	0.00	0.00	0.00	0.00	0.00
Under Injection MU'S (F<49.9)	0.00	0.00	0.00	0.00	0.00	0.00
Under Injection NO OF BLOCK(F<49.9)	0	0	0	0	0	0

10. SIGNIFICANT EVENTS (IF ANY) :

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11. SYSTEM CONSTRAINTS (IF ANY) :

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12. WEATHER CONDITIONS:

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पावर सिस्टम ऑपरेशन निगम लिमिटेड
पूर्वी क्षेत्रीय भार प्रेषण केंद्र



DAILY OPERATION REPORT OF EASTERN REGION

Power Supply Position For

20-Feb-16

Date of Reporting:

21-Feb-16

1. Regional Availability/Demand:

Evening Peak (18:00 Hrs) MW				Off Peak (14:00 Hrs) MW				Day Energy(Net MU)	
Demand Met	Shortage(-)/Surplus(+)	Requirement	Freq (Hz)	Demand Met	Shortage/Surplus	Requirement	Freq (Hz)	Demand Met	Shortage
16903	-100	17003	50.15	13578	0	13578	50.11	346	-0.30

2. A.State's Load Deals (At State Periphery) in MUs:

State	State's Control Area Generation (Net MU)				Drawal Sched. (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Availability (Net MU)	Consumption (Net MU)	Shortage (Net MU)
	Thermal	Hydro	Others / Renewable	Total						
Bihar	2.32	0.00	0.00	2.32	59.05	60.82	1.77	61.37	63.14	-0.30
DVC	77.11	0.05	0.00	77.16	-17.48	-18.61	-1.13	59.68	58.55	0.00
Jharkhand	9.62	0.00	1.71	11.33	12.06	9.47	-2.58	23.39	20.80	0.00
Odisha	17.38	3.84	18.64	39.86	26.09	25.68	-0.41	65.95	65.54	0.00
West Bengal	79.13	4.35	18.78	102.26	34.53	34.00	-0.53	136.79	136.26	0.00
Sikkim	0.00	0.00	0.00	0.00	1.50	1.46	-0.04	1.50	1.46	0.00
Region	185.56	8.24	39.13	232.93	115.74	112.83	-2.92	348.68	345.76	-0.30

2. B.State's Demand Met in MWs:

State	Evening Peak (18:00 hrs) MW		Off Peak (14:00 hrs) MW		Day peak			Day Energy(Net MU)	
	Demand Met	Shortage(-) /Surplus(+)	Demand Met	Shortage(-) /Surplus(+)	Demand Peak	Time	Shortage(-) /Surplus(+)	ForeCast (LGBR)	Deviation(For ecast(LGBR)- Consumption)
Bihar	2919	-100	2270	0	3008	19:00	-100	52.14	-11.00
DVC	2290	0	2023	0	2648	07:52	0	54.21	-4.35
Jharkhand	937	0	617	0	1008	12:22	0	26.03	5.23
Odisha	3524	0	2748	0	3954	19:38	0	70.03	4.49
West Bengal	7135	0	5859	0	7332	19:05	0	120.83	-15.43
Sikkim	98	0	61	0	101	18:32	0	1.31	-0.15
Region	16903	-100	13578	0	17838	19:10	-100	324.55	-21

3.A. Regional Entities Generation:

	Station/ Constituents	Inst.Capacity (MW)	18:00 Hrs Peak MW	14:00 Hrs Off Peak MW	Day Peak		Day Energy (MU)	AVG. MW
					MW	Hrs		
NTPC	Farakka STPS - I & II(3*200+2*500)	1600	1205	1205	1240	22:31	26.29	1095
	Farakka STPS - III(500)	500	447	447	458	21:20	9.78	408
	Kahalgaoon STPS - I(4*210)	840	531	531	547	10:15	11.96	498
	Kahalgaoon STPS - II(3*500)	1500	1249	1249	1249	10:17	25.17	1049
	Barh STPS - I & II (660)	660	927	928	957	12:13	20.13	839
	Talcher STPS - I(2*500)	1000	923	940	967	10:39	22.52	938
	Talcher STPS - II(4*500)	2000	1838	1800	1935	00:50	45.50	1896
	Sub Total Thermal	6100	5282	5300			115.85	
NHPC	Teesta(3*170)	510	502	248	531	17:42	2.59	108
	Rangit(3*20)	60	21	21	22	15:40	0.61	25
	Sub Total Hydro	570	523	269			3.20	
BHUTAN	Kurichu(4*15)	60	22	22	22	00:00	-0.49	0
	Tala(6*170)	1020	51	41	90	21:43	1.03	43
	Chukha(4*84)	336	19	19	51	21:18	0.73	30
	Sub Total Hydro	1416	93	83			1.27	
IPP	Sterlite(3*600)	1800	625	515	650	21:35	12.59	525
	MPL(2*525)	1050	851	908	1031	10:46	22.60	942
	APNRL(270*2)	540	445	445	453	21:30	13.36	557
	GMR(3*350)	1050	30	30	500	00:41	11.36	473
	JITPL(600)	600	1053	1053	1069	07:23	23.28	970
	Sub Total IPP Thermal	5040	1921	1868			83.20	3467
	Chuzachen HEP(2*55)	110	59	0	62	17:45	0.25	10
	Jorethang HEP(2*48)	60x2					0.41	17
Sub Total IPP Hydro	110	59	0			0.66	27	
INFIRM	Barh #5						0	0
Total Regional Entities		13236	7879	7520			204.18	

3.B. State Entities Generation:

	Station/ Constituents	Inst.Capacity (MW)	18:00 Hrs Peak MW	14:00 Hrs Off Peak MW	Day Peak		Day Energy (MU)	AVG. MW
					MW	Hrs		
BIHAR	Baruni TPS(2*110)	220	0	0	0	00:00	0.00	0
	Muzaffarpur TPS(2*110)	220	98	98	100	04:49	2.32	96
	Thermal (Total)	440	98	98			2.32	
	Hydro (Total)	45	0	0			0.00	
	Others (Total)	14	0	0	0	00:00		
	Total BIHAR	498	98	98			2.32	
JHARKHAND	Patratu TPS(4*50+2*100+4*110)	840	36	36	36	00:00	1.68	70
	Tenughat TPS(2*110)	420	331	321	336	20:07	7.94	331
	Thermal (Total)	1260	367	357			9.62	401
	Subernrekha (2*65)	130	0	0	0	00:00	0.00	0
	Hydro (Total)	130	0	0	0	00:00	0.00	0
	CPP IMPORT					00:00	1.71	71
Total JHARKHAND	1390	367	357			11.33		

	Station/ Constituents	Inst.Capacity (MW)	18:00 Hrs Peak MW	14:00 Hrs Off Peak MW	Day Peak MW Hrs		Day Energy (MU)	AVG. MW	
	DVC	Chandrapura TPS(3*140+2*250)	920	507	450	515	17:55	10.46	436
Bokaro'B TPS(3*210)		630	188	188	188	00:00	4.09	170	
Waria TPS(140+210)		350	165	156	170	20:40	4.15	173	
Mejia TPS(4*210+2*250)		1340	719	693	828	19:57	18.96	790	
Mejia'B TPS(2*500)		1000	792	768	961	07:54	20.11	838	
Durgapur STPS (2*500)		1000	377	376	467	08:52	9.49	396	
Koderma TPS(500)		500	380	383	509	12:37	9.85	410	
Raghunathpur TPS(Infirm)		600	0	0	0	00:00	0.00	0	
Thermal (Total)		6340	3128	3013				77.11	
Maithon(2*20+23.2)		63	1	1	1	22:49	0.04	2	
Panchet(2*40)		80	0	0	21	21:18	0.01	1	
Tilaiya(2*2)		4	0	0	0	00:00	0.00	0	
Hydro (Total)		147	1	1				0.05	
Others (Total)		0	0	0	0	00:00	0.00	0	
Total DVC	6487	3129	3014				77.16		
ODISHA	Talcher TPS(4*62.5+2*110)	470	430	428	440	19:46	10.21	426	
	IB Valley TPS(2*110)	420	379	386	404	00:30	9.17	382	
	Thermal (Total)	890	809	814				19.38	
	Burla(2*49.5+3*37.5+2*32)	276	0	0	214	16:07	0.50	21	
	Chipilima(3*24)	72	12	12	20	20:43	0.20	8	
	Balimela(2*75+6*60)	510	167	0	230	21:13	0.24	10	
	Rengali(5*50)	250	0	0	140	19:21	0.68	28	
	Upper Kolab(4*80)	320	75	0	218	06:25	3.12	130	
	Indravati(4*150)	600	293	0	456	22:14	4.48	186	
	Machkund Share	57	35	35	35	00:00	0.83	34	
	Hydro (Total)	2085	581	47				10.03	
	Total CPPGR Import	5173	893	812	1580	16:34	18.64	777	
Others	0	0	0	0	00:00	0.00	0		
Total Odisha	2975	1391	862				48.06		
WEST BENGAL	Santalidih TPS(2*250)	500	756	744	764	17:59	17.95	748	
	Bandel TPS(4*82.5+210)	540	244	208	247	18:29	4.89	204	
	Kolaghat TPS(6*210)	1260	463	465	475	20:15	11.00	458	
	Bakreswar TPS(5*210)	1050	812	799	842	19:43	19.30	804	
	DPL TPS(3*75+110+300)	635	250	239	255	20:23	5.83	243	
	SAGARDIGHI TPS(2*300)	600	575	546	587	20:23	12.88	537	
	Thermal (Total)	4585	3101	3000				66.03	
	Purulia PSP(G)(4*225)	900	569	3	843	19:00	4.07	170	
	Purulia PSP(P)		0	0	731	01:05	4.55	189	
	Jaldhaka(3*9+2*4)	35	0	0	0	00:00	0.00	0	
	Ramam(4*12.5)	50	13	12	13	14:11	0.28	12	
	Tista(9*7.5)	68	0	0	0	00:00	0.00	0	
	Hydro (Total)	1053	582	15				4.35	181
	Total CPPWB Import	631	915	906	930	19:44	18.78	782	
Others	12	0	0	0	00:00	0.00	0		
Total WEST BENGAL	5649	3683	3015				89.16	3715	
CESC	Budge-Budge TPS(3*250)	750	752	733	783	08:36	17.05	710	
	Titagarh TPS(4*60)	240	0	0	0	00:00	0.00	0	
	Southern TPS(2*67.5)	135	2	2	3	00:31	0.05	2	
	New Cossipore TPS(2*30+2*50)	160	0	0	0	00:00	0.00	0	
	Thermal (Total)	1285	754	735				17.10	712
	Others	0	0	0	0	00:00	0.00	0	
Total CESC	1285	754	735				17.10	712	
Total ISGS & IPP Thermal	11140	7203	7168				199.05	8294	
Total State Thermal	14800	8258	8018				191.56	7982	
Total CPP Import	5804	1808	1718				37.42	1559	
Total ISGS & IPP Hydro	2096	675	352				5	214	
Total State Hydro	3459	1164	63				14.44	602	
Total Others	25	0	0				0.00	0	
Net Inter Regional Exchange [Import(+ve)/Export(-ve)]			4792	5439			-73.37	4739	
Regional Total (Gross)	37299	23902	22757	0	0		374.22	23389	

* 765 KV Volatge Range

4.A. INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))

Sl No	Element	18:00 Hrs Peak	14:00 Hrs Off Peak	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		MW	MW	Import (MW)	Export (MW)			
Import/Export NR from ER								
1	765 KV GAYA-FATEHPUR	147	322	16	338	0.00	-3.65	-3.65
2	765 KV SASARAM-FATEHPUR	-2	-2	0	37	2.71	0.00	2.71
3	765 KV GAYA-BALIA	108	148	22	226	0.00	-3.76	-3.76
4	HVDC LINK PUSAULI B/B	364	364	94	366	0.00	-0.18	-0.18
5	400 KV PUSAULI-SARNATH	358	358	72	362	0.00	-7.22	-7.22
6	400 KV PUSAULI-ALLAHABAD	0	0	0	140	0.00	-1.02	-1.02
7	400 KV MUZAFFARPUR-GORAKHPUR	-300	-300	0	0	4.49	0.00	4.49
8	400 KV PATINA-BALIA	684	684	322	691	0.00	-12.07	-12.07
9	400 KV BIHARSHARIFF-BALIA	-85	-85	0	0	3.42	0.00	3.42
10	400 KV BARH - GORAKHPUR - D/C					0.00	-10.78	-10.78
11	220 KV PUSAULI-SAHUPURI	128	128	96	207	0.00	-3.60	-3.60
12	132 KV SONE NAGAR-RIHAND	0	0	0	0	0.00	0.00	0.00
13	132 KV GARWAH-RIHAND	0	0	491	491	0.82	0.00	0.82
14	132 KV KARMANASA-SAHUPURI	0	0	0	0	0.00	0.00	0.00
15	132 KV KARMANASA-CHANDAULI					0.00	0.00	0.00
Sub Total NR		1488	1728	294	1851	11	-42	-30.84
Import/Export WR from ER								
1	765 KV JHARSUGUDA-DHARMAJAYAGARH D/C	689	689	689	689	0.00	-9.95	-9.95
2	765 KV RANCHI-DHARMAJAYAGARH S/C	-84	209	0	265	0.00	-1.95	-1.95
3	400 KV ROURKELA - RAIGARH (SEL LILO BYPASS)	-105	-14	0	22	0.74	0.00	0.74
4	400 KV JHARSUGUDA-RAIGARH	-112	-112	0	0	2.40	0.00	2.40
5	400 KV IND BHARAT-RAIGARH	-149	-149	0	0	0.75	0.00	0.75
6	400 KV STERLITE-RAIGARH -II	229	255	67	308	0.00	-5.52	-5.52
7	400 KV RANCHI-SIPAT D/C	-296	-86	0	0	3.16	0.00	3.16
8	220 KV BUDHIPADAR-RAIGARH S/C	-4	72	0	116	0.00	-1.16	-1.16
9	220 KV BUDHIPADAR-KORBA D/C	-127	-58	0	79	1.87	0.00	1.87
Sub Total WR		41	806	0	1010	9	-19	-9.66
Import/Export SR from ER								
1	GAZUWAKA B/B	354	354	353	388	0.00	-18.19	-18.19
2	TALCHER-KOLAR BIPOLE	1966	1966	724	2461	0.00	-49.00	-49.00
3	TALCHER STG - II /C	466	468	131	600	0.00	-3.50	-4
4	220 KV BALIMELA-UPPER-SILERRU S/C	-1	-1	0	0	0.00	0.00	0.00
Sub Total SR		817	853	0	1311	0.00	-21.69	-21.69
Import/Export NER from ER								
1	400 KV BINAGURI-BONGAIGAN Q/C	558	199	181	660	0.00	-11.03	-11.03
2	220 KV BIRPARA-SALAKATI D/C					0.00	-0.64	-0.64
3	132 KV GEYLEGPHU - SALAKATI					0.49	0.00	0.49
4	132 KV DEOTHANG - RANGIA					0.00	0.00	0.00
Sub Total NER		587	227	216	686	0	-12	-11.18
TOTAL IR EXCHANGE		4792	5439	3664	5852	21	-94	-73.37

4.B. Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	Total IR Schedule	Total IR Actual	NET IR UI
ER-NR	-32.59	-3.33	-0.03	-33.85	-30.84	3.01
ER-WR	-12.38	1.19	-4.97	-11.28	-9.66	1.62
ER-SR	3.45	-1.59	-13.72	-21.62	-21.69	-0.07
ER-NER	-3.85	-4.19	2.83	-5.32	-11.18	-5.86
TOTAL	-45.36	-7.92	-15.88	-72.08	-73.37	-1.30

5. Transnational Exchange (Import=(+ve) /Export =(-ve))

	Energy Exchange (In MU)	Day Peak (MW)	Day Min (MW)	Day Average (MW)	Nepal Exchange	Energy Exchange (In)	Day Peak (MW)	Day Min (MW)	Day Average
Bhutan	1.27	154		53.10					
Nepal	-5.85			-243.82					
Bangladesh	-9.59	-464.00	-271.00	0.00	132 kv Mzf - Dhalkebar	-1.73	-139.00	0.00	0.00

6. Frequency Profile

RANGE(Hz)	<49.2	<49.7	<49.8	<49.9	49.9 - 50.05	50.05 - 50.1	>50.05	>50.2
%	0.00	0.00	0.00	5.61	73.07	15.10	21.32	0.29

<-----Frequency (Hz)----->

Freq	Maximum		Minimum		Average Frequency	Freq Variation Index	Standard deviation	Freq. in 15 mnt blk	
	Time	Time	Time	Time				Max.	Min.
50.26	13:02	49:81	10:09	50.00	0.04	0.06	50.13	49.90	

7. Voltage Profile

Station	Maximum		Minimum		Voltage (in %)		
	Voltage (KV)	Time	Voltage (KV)	Time	<380/728 KV	380<->420KV 728<->800KV	>420/800 KV
Ranchi New	795	02:01	771	10:15	0.00	100.00	0.00
Jamshedpur	427	03:03	423	00:20	0.00	100.00	100.00
Muzaffarpur	414	05:02	400	22:41	0.00	100.00	0.00
Bihar Sariff	418	03:05	406	22:40	0.00	100.00	0.00
Binaguri	426	03:48	402	18:23	0.00	77.64	22.36
Jeerat	419	03:06	390	18:39	0.00	100.00	0.00
Rourkela	418	03:58	410	19:28	0.00	100.00	0.00
Jeypore	416	17:28	386	11:14	0.00	100.00	0.00
Bokaro A	415	03:28	410	17:56	100.00	0.00	0.00
Maithon	421	04:02	412	18:36	0.00	95.07	4.93

8.Short term Open Access Transactions

WHEELING THROUGH ER				BILATERAL			
Name of the Transaction	MU	MAX (MW)	MIN (MW)	Name of the Transaction	MU	MAX (MW)	MIN (MW)
WR(UPL)-SR(U)-G(J)APCC(J)ER-Knowledge Infrastructure-18983/A	0.08424	7.02	0	BSEB TOTAL EXPORT	0.0		

WR(JPL)-SRJ-GJ(TNGDC)(ER)-JPL-18984/A	0.10536	8.78	0	GMR-BSEB-gkel-10898/d	3.9	170	140
WR(APL-III)-SRJ-GJ(APSPDCL)(ER)-AEL-18985/A	0.021	1.75	0	BSEB TOTAL IMPORT	3.9		
WR(JPL-III)-SRJ-GJ(TPCC)(ER)-NVVN-18990/A	0.08424	7.02	0	JSEB TOTAL EXPORT	0.0		
WR(JPL-II)-SRJ-GJ(APPC)(ER)-NVVN-18991/A	0.05268	4.39	0	APN(APNRL #1 & 2)-JSEB(JSEB)-JSEB-10748 A	2.90736	121.14	121.14
WR(DB Power Ltd)-SRJ-GJ(TNGDC)(ER)-PTC India Ltd.-18993/A	0.01704	1.42	0	JSEB TOTAL IMPORT	2.9		
WR(INSTPP)-SRJ-GJ(TNGDC)(ER)-SCL-18994/A	0.03156	2.63	0	DVC(TISCO)-WR(TSL Boisher)-TSL-25433 A	0.216	9	9
WR(INSTPP)-SRJ-GJ(APPC)(ER)-PTC India Ltd.-18995/A	0.04212	3.51	0	DVC TOTAL EXPORT	0.2		
WR(INSTPP)-SRJ-GJ(TPCC)(ER)-PTC India Ltd.-18996/A	0.03684	3.07	0	DVC TOTAL IMPORT	0.0		
WR(KWPCL)-NER(APDCL)(ER)-AEL-2103/A	1.2	50	50	GRIDCO(ASL Orissa)-NR(ASL Punjab)-ASL Punjab-32128/A	0.132	5.5	5.5
WR(DB POWER)-NER(APDCL)(ER)-GMTEL-2144/C	0.42	70	70	GRIDCO TOTAL EXPORT	0.1		
NR(SCTPS)-SRJ-GJ(APPC)(ER)-SCL-18986/A	0.01056	0.88	0	JITPL-GRIDCO-JITPL-10899/C	0.105	15	15
NR(SCTPS)-SRJ-GJ(TPCC)(ER)-SCL-18987/A	0.01056	0.88	0	NR(TPDBL)-GRIDCO(GRIDCO)-PTC India Ltd-10456/A	2.4	100	100
NR(SCTPS)-SRJ-GJ(TNGDC)(ER)-SCL-18988/A	0.02112	1.76	0	NR(PSPL)-GRIDCO(GRIDCO)-APPCPL-10740 A	0.8	200	0
NR(HPPC)-NER(MSPDCL)(ER)-MPPL-1998/A	0.2375	12.5	0	WR(NSPL)-GRIDCO(SAIL RSP)-SAIL RSP-10741 A	0.2148	8.95	8.95
NR(HPPC)-NER(MPDC)(ER)-MPPL-1999/A	0.96	40	40	DVC(TISCO)-GRIDCO(TSFAP CPPI)-TSFAP-10767/F	0.384	16	16
NR(HPPC)-NER(MPDC)(ER)-PTC India Ltd.-2000/A	0.48	20	20	GRIDCO TOTAL IMPORT	3.9		
NR(HPPC)-NER(MSPDCL)(ER)-PTC India Ltd.-2001/A	0.2375	12.5	0	WBSEB(WBSEDC)-WR(MPMCL)-PTC India Ltd-25057/A	3.158	315.800	0.000
NR(BRPL)-NER(MPDC)(ER)-MPPL-2067/A	0.59208	24.67	24.67	WBSEB(TPC Haldia)-WR(TCL Maharashtra)-TPTCL-25437 A	0.060	2.500	2.500
NR(BRPL)-NER(MPDC)(ER)-PTC India Ltd.-2100/A	0.08817	29.39	0	WBSEB(TPC Haldia)-WR(TCL Maharashtra)-TPTCL-25438 A	0.060	2.500	2.500
NR(UPPCL)-NER(MSPDCL)(ER)-MPPL-2104/A	0.28	17.5	0	WBSEB(TPC Haldia)-WR(TCL Maharashtra)-TPTCL-25439 A	0.026	1.100	1.100
NR(UPPCL)-NER(MSPDCL)(ER)-MPPL-2105/A	0.46298	34.44	0	WBSEB(TPC Haldia J)-WR(Shree Naman Hotels Pvt. Ltd.)-TPTCL-2	0.026	1.100	1.100
NR(brpl)-SRJ-GJ(kseb)(ER)-gmretl-19656/c	0.9	100	100	WESTBENGAL TOTAL EXPORT	3.3		
NER(meseb)-NR(hppc)(ER)-appcl-32246-d	0.71376	29.74	29.74	WR(KWPCL)-WBSEB(WBSEDC)-AEL-10597/A	4.32	180	180
NER(meseb)-NR(jdd kj)(ER)-mppl-32245-d	0.245	40	25	WR(INSTPP)-WBSEB(WBSEDC)-PTC India Ltd-10598/A	3.6	150	150
				JITPL(JITPL)-WBSEB(WBSEDC)-TPTCL-10601/A	4.12536	171.89	171.89
				DVC(DVC)-WBSEB(WBSEDC)-DVC-10743 F	1.15	115	0
				WESTBENGAL TOTAL IMPORT	13.2		
				SIKKIM TOTAL EXPORT	0.0		
				SIKKIM TOTAL IMPORT	0.0		
				STERLITE TOTAL EXPORT	0.0		
				STERLITE TOTAL IMPORT	0.0		

9. Significant events (If any):

10. System Constraints (If any)

11. Weather Condition:

Shift In Charge

पाँवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तर-पूर्वी क्षेत्रीय भार प्रेषण केंद्र



Power Supply Position in North-Eastern Region for
Date of Reporting

20-Feb-16
21-Feb-16

I. Regional Availability/Demand:

Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
2257	109	2366	50.15	1290	0	1290	50.08	38.90	0.81

* Half hourly (two 15 minutes block—one block each before and after the designated time) average frequency

II. A. State's Load Details (At States periphery) in MUs:

UI [OD:(+ve), UD: (-ve)]

State	State's Control Area Generation (Net MU)					Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages * (MU)
	Thermal	Hydro	Solar	Wind	Total					
ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	1.64	1.96	0.32	1.96	0.02
ASSAM	4.45	0.36	0.00	0.00	4.81	15.13	16.61	1.48	21.42	0.69
MANIPUR	0.00	0.00	0.00	0.00	0.00	2.25	2.28	0.03	2.28	0.03
MEGHALAYA	0.00	1.00	0.00	0.00	1.00	4.55	4.41	-0.14	5.41	0.00
MIZORAM	0.00	0.05	0.00	0.00	0.05	1.00	1.38	0.37	1.42	0.01
NAGALAND	0.00	0.06	0.00	0.00	0.06	1.61	1.90	0.29	1.96	0.04
TRIPURA	1.82	0.11	0.02	0.00	1.96	0.59	2.49	1.89	4.44	0.01
Total	6.28	1.58	0.02	0.00	7.88	26.77	31.03	4.25	38.90	0.81

* Shortage furnished by the respective constituent.

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

State	Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)	Time
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
ARUNACHAL PRADESH	120	5	4	0	80	0	26	19	122	18:55
ASSAM	1283	86	91	197	734	0	100	25	1307	17:51
MANIPUR	141	5	5	-8	58	0	-3	8	143	18:05
MEGHALAYA	306	0	-38	98	208	0	10	82	306	20:59
MIZORAM	82	3	6	-8	42	0	19	-13	84	17:52
NAGALAND	100	8	12	15	69	0	18	5	105	21:23
TRIPURA	224	2	28	-86	99	0	63	-178	225	18:26
Total	2257	109	108	208	1290	0	233	-52	2271	18:01

* STOA figures are at sellers boundary & PX figures are at regional boundary.

III. Regional Entities :

UI [OG:(+ve), UG: (-ve)]

	Station/ Constituent	Inst. Capacity	Declared	Peak MW (At 19:00 Hrs)	Off Peak MW (At 03:00 Hrs)	Energy	Average	Schedule	UI
		(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	MW	Net MU	Net MU
A. NEEPCO	KHANDONG (2x25)	50	0	18	0	0.12	5	0.11	0.01
	KOPILI STAGE-II (Khandong) (1x25)	25	0	18	0	0.06	3	0.05	0.01
	KOPILI (4x50)	200	0	96	0	1.37	57	1.32	0.05
	AGBPP (Kathalguri)- (GT+ST) (6x33.5 + 3x30)	291	237	253	246	5.66	236	5.69	-0.04
	AGTPP (RC NAGAR) (4x21)+AGTPP EXT(2x23)	130	58	86	92	2.20	92	2.10	0.10
	DOYANG (3x25)	75	0	34	0	0.11	5	0.10	0.01
	RANGANADI (3x135)	405	0	401	0	1.21	50	1.20	0.00
	Sub Total (A)	1176	296	906	338	10.72	447	10.58	0.15
B. NHPC	LOKTAK (3x35)	105	0	106	0	0.48	20	0.44	0.04
	Sub Total (B)	105	0	106	0	0.48	20	0.44	0.04
C. OTPCL	PALATANA CAPP (2X363.3)	726.6	474	482	498	11.57	482	11.44	0.13
	Sub Total ©	726.6	474	482	498	11.57	482	11.44	0.13
D. Total Regional Entities (A-C)		2008	770	1494	836	22.77	949	22.45	0.32

E. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)
ARUNACHAL PRADESH	Thermal (Total)	0	0	0	0.00	0
	Total Hydro	0	0	0	0.00	0
	Total Micro Hydel	63	0	0	0.00	0
	Total Diesel	16	0	0	0.00	0
	Total Solar	0	0	0	0.00	0
	Total Wind	0	0	0	0.00	0
	Total Arunachal Pradesh	79	0	0	0.00	0
ASSAM	LTPS(Thermal) (4x15+3x20+1x37.2)	157.2	126	127	3.02	126
	NTPS(Thermal) (20+21+21+11+24+ 22)	119	74	58	1.57	65
	Adamtilla(Thermal) (3*3) + CTPS(2*30)	69	0	0	0.00	0
	Baskandi(Thermal) (3*3.5+1*5)	15.5	0	0	0.00	0
	KLHEP(Hydro) (2*50)	100	88	0	0.35	14
	Mini Hydel	4	1	0	0.01	1
	Thermal (Total)	361	200	185	4.59	191
	Total Hydro	104	88	0	0.36	15
	Total Solar	0	0	0	0.00	0
	Total Wind	0	0	0	0.00	0
Total Assam	465	288	185.49	4.95	206	
MANIPUR	Thermal (Total)	0	0	0	0.00	0
	Total Hydro	0	0	0	0.00	0
	Total Micro Hydel	0.6	0	0	0.00	0
	Total Diesel	42.27	0	0	0.00	0
	Total Solar	0	0	0	0.00	0
	Total Wind	0	0	0	0.00	0
	Total Manipur	43	0	0	0.00	0
MEGHALAYA	UMIUM ST-I (4*9)	36	13	0	0.19	8
	UMIUM ST-II (2*10)	20	7	0	0.10	4
	UMIUM ST-III (2*30)	60	24	0	0.17	7
	UMIUM ST-IV (2*30)	60	24	0	0.19	8
	UMTRU (4*2.8)	11.2	0	0	0.00	0
	SONAPANI (1*1.5)	1.5	1	1	0.02	1
	MLHEP (3*42)	126	0	0	0.35	15
	Total Hydro	315	69	0.55	1.01	42
	Total Solar	107	0	0	0.00	0
	Total Wind	0	0	0	0.00	0
	Total Meghalaya	422	69	0.55	1.01	42
MIZORAM	BAIRABI (4x5.73)	22.92	0	0	0.00	0
	Total Hydro (Serlui B+Mini Hydro)	30.00	0	0	0.00	0
	Total Diesel	0.5	0	0	0.00	0
	Total Solar	0.27	0	0	0.00	0
	Total Wind	0	0	0	0.00	0
	Total Mizoram	54	0	0	0.00	0
	NAGALAND	LIKHIMRO (3*8)	24	10	8	0.06
Total Hydro		24	10	8	0.06	2
Total Solar		0	0	0	0.00	0
Total Wind		0	0	0	0.00	0
Total Nagaland	24	10	8	0.06	2	
TRIPURA	ROKHIA(Thermal) (6x8+3x21)	111	58	53	1.33	56
	BARAMURA(Thermal) (1x6.5+2x5+2*21)	58.5	20	21	0.49	20
	Monarchak(Thermal)	67.0	0	0	0.00	0
	Gumati(Hydro) (3*5)	15	6	4	0.11	5
	Thermal (Total)	237	78	74.00	1.82	76
	Total Hydro	15	6	4	0.11	5
	Total Diesel	1	0	0	0.00	0
	Total Solar(Monarchak 5)	5	0	0	0.02	1
	Total Wind	0	0	0	0.00	0
	Total Tripura	258	84	78	1.96	82
Total State Control Area Generation	1343	451	272	7.98	332	
Total State control area generation (excluding hydro)	662.24	277.99	259.00	6.43	268	
Total regional entities generation (excluding hydro)	1148	821	836	19.42	809	
Total Regional generation (excluding Hydro)	1810	1099	1095	25.85	1077	
IV. Total Hydro Generation:						
Regional Entities Hydro	860	673	0	3.35	140	
State Control Area Hydro	551	173	13	1.54	64	
Total Regional Hydro	1411	846	13	4.89	204	
Total Generation availability in the Region	3228	1945	1108	30.7	1281.2	

V(A). Inter Regional Exchange [Import (-ve)/Export (+ve)] [Linkwise]

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy
			Import	Export	Import	Export	
400 kV Binaguri-Bongaigaon I	-100	-50	-162	0	-2.64	0.00	-2.64
400 kV Binaguri-Bongaigaon II	0	0	0	0	0.00	0.00	0.00
400 kV Binaguri-Bongaigaon III	-132	-118	-200	0	-3.13	0.00	-3.13
400 kV Binaguri-Bongaigaon IV	-132	-118	-200	0	-3.12	0.00	-3.12
220 kV Birpara-Salakati I	-10	-14	-30	1	-0.31	0.00	-0.31
220 kV Birpara-Salakati II	-13	-14	-30	1	-0.31	0.00	-0.31
132 kV Rangia-Deothang / Salakati-Gelephu (India-Bhutan)	28	14	0	32	-0.03	0.49	0.45
+/- 800 KV Biswanath charali - Agra	0	0	0	0	0.00	0.00	0.00
Total IR Exch	-359	-300	-622	34	-9.54	0.49	-9.06

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdi (MU)		Wheeling (MU)	
ER	Total	Through ER	Through ER	Through ER	Through ER	Through ER	Through ER
	0.00	0.00	0.00	0.00			
Total IR Schedule (MU)		Total IR Actual (MU)		Net IR UI (MU)			
Through ER	Total	Through ER	Total	Through ER	Total	Through ER	Total
	-5.32						

VI. Frequency Profile <----- % of Time Frequency ----->

<49.2		<49.7		<49.8		<49.9		<50.0		49.9-50.05		50.05-50.10		50.10-50.20		>50.20		>50.50	
0.00		0.00		0.00		5.61		49.01		73.07		15.10		6.01		0.29		0.00	
<----- Frequency (Hz) ----->										Average Frequency		Frequency Variation Index		Std. Dev.		Frequency in 15 Min Block			
Maximum				Minimum				Frequency (Hz)		Std. Dev.		MAX (Hz)		MIN (Hz)					
50.26	Time	49.81	Time	1009	50.00	0.041	0.064	50.129	49.901										

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage(KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV
Bongaigaon	400	418	0343	393	1750	0.0	0.0	0.0	0.0
Balipara	400	412	0345	386	1724	0.0	7.3	0.0	0.0
Misa	400	413	0349	387	0806	0.0	0.0	2.1	0.0

VIII. Voltage profile 220 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage(KV)	Time	<198 kV	<208 kV	>245 kV	>245 kV
Salakati	220	215	1201	199	1823	0.0	53.3	0.0	0.0
Dimapur	220	221	1201	212	1822	0.0	0.0	0.0	0.0
Mariani	220	231	1201	211	1201	0.0	0.0	0.0	0.0
Misa	220	224	0349	210	0806	0.0	0.0	0.0	0.0

IX. Voltage profile 132 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage(KV)	Time	<110 kV	<120 kV	>135 kV	>145 kV
Jiribam	132	137	2325	128	1750	0.0	0.0	27.2	0.0
Haflong	132	137	0227	129	1750	0.0	0.0	27.9	0.0
Kahilipara	132	137	1201	130	1750	0.0	0.0	0.0	0.0
Aizawl	132	135	2330	122	1752	0.0	0.0	0.0	0.0
Kumarghat	132	135	0223	128	1747	0.0	0.0	0.0	0.0
Imphal	132	138	2326	126	0735	0.0	0.0	31.4	0.0
Khliehriat	132	138	0349	128	1751	0.0	0.0	26.1	0.0
Badarpur	132	138	0302	130	1750	0.0	0.0	31.0	0.0
Nirjuli	132	148	1256	125	1725	0.0	0.0	39.0	0.0

X. Reservoir Parameters:

Name of Reservoir	Parameters		Present Parameters		Last Year		Last day	
	FRL (m)	MDDL (m)	Level (m)	Energy (MU)	Level (m)	Energy (MU)	Inflow (m3/s)	Usage (m3/s)
Khandong	719.30	704.26	710.80	8.03	720.12	27.61	N/A	N/A
Kopili	609.60	592.83	596.07	12.60	599.32	27.10		
Loktak	769.00	766.20	767.47	58.00	766.4	12.00		
Umium	978.88	957.60	972.75	22.12	962.75	3.46		
Gumti	93.55	83.60	91.85	22.58	90.60	15.42		
Doyang	333.00	306.00	309.10	4.35	318.00	18.90		
Ranganadi	567.00	560.00	563.91	N/A	563.76	N/A		

* NA: Not Available

XI. System Constraints:

NIL

XII. Grid Disturbance / Any Other Significant Event:

NIL

XIV. Synchronisation of new generating units :

NIL

XV. Synchronisation of new 132/220 / 400 / 765 KV lines and energising of bus / /substation :

NIL

XVI. Tripping of lines in pooling stations :

NIL

XVII. Complete generation loss in a generating station :

NIL

Report for :

????? / SHIFT CHARGE ENGINEER