



**पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड**  
**राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली**

Report for previous day

Date of Reporting

16-Nov-16

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	39196	44665	37663	17069	2255	140849
Peak Shortage (MW)	480	23	0	250	88	841
Energy Met (MU)	808	1014	866	318	39	3046
Hydro Gen(MU)	113	59	41	34	11	258
Wind Gen(MU)	3	18	16	-----	-----	38
Solar Gen (MU)*	2.71	9.63	12.50	0.03	0.03	25

**B. Frequency Profile (%)**

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
NEW GRID	0.037	0.00	0.02	4.51	4.54	72.84	22.63
SR GRID	0.037	0.00	0.02	4.51	4.54	72.84	22.63

RegionRegion	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	4418	0	91.0	41.7	1.8	298
	Haryana	5769	0	104.3	75.8	-1.3	169
	Rajasthan	9853	0	202.8	72.3	3.3	285
	Delhi	2907	0	55.2	40.4	0.5	236
	UP	12538	70	254.1	93.1	0.3	340
	Uttarakhand	1679	0	31.5	19.4	2.2	245
	HP	1354	0	24.0	17.0	0.8	132
	J&K	2000	500	42.0	34.7	0.2	152
	Chandigarh	169	0	3.1	3.3	-0.2	14
WR	Chhattisgarh	2979	0	63.4	12.7	-1.4	210
	Gujarat	12245	0	265.7	72.8	-0.4	619
	MP	9974	0	214.4	130.7	-3.7	481
	Maharashtra	20523	0	429.9	117.4	1.3	648
	Goa	442	0	8.9	8.4	-0.2	71
	DD	296	0	6.6	6.5	0.1	33
	DNH	723	0	16.5	16.8	-0.3	12
	Essar steel	457	0	8.5	8.9	-0.4	164
	Andhra Pradesh	7123	0	161.1	31.5	1.9	508
SR	Telangana	6714	0	139.7	68.9	2.5	319
	Karnataka	8810	500	198.2	69.5	5.5	510
	Kerala	3622	0	65.3	52.3	3.0	310
	Tamil Nadu	13234	0	294.6	140.0	4.8	926
	Pondy	335	0	6.9	7.0	-0.1	20
	Bihar	3314	0	66.0	60.7	2.2	200
ER	DVC	2385	0	57.4	-	-1.9	0
	Jharkhand	1136	0	20.4	14.9	1.2	200
	Odisha	3876	0	67.7	20.9	1.2	200
	West Bengal	6942	0	105.2	23.7	1.3	100
	Sikkim	92	0	1.3	1.4	-0.1	10
	Arunachal Pradesh	120	1	1.8	1.9	-0.1	9
NER	Assam	1413	13	23.6	18.7	1.7	121
	Manipur	131	3	2.0	2.0	0.0	10
	Meghalaya	252	16	4.2	3.5	-0.3	20
	Mizoram	84	1	1.3	1.1	0.2	14
	Nagaland	97	6	1.8	1.8	0.0	11
	Tripura	205	0	4.6	2.4	1.5	82

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.5	-3.3	-11.5
Day peak (MW)	621.2	-218.8	-584.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	170.9	-186.4	101.7	-91.3	3.1	-2.0
Actual(MU)	170.7	-189.5	103.2	-88.5	5.0	0.9
O/D/U/D(MU)	-0.2	-3.1	1.5	2.8	1.9	2.8

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	5251	10666	3710	270	97	19994
State Sector	12455	17794	6429	6104	110	42892
Total	17706	28460	10139	6374	207	62886

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(पारिषद)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(शि०प्र०)/अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिड)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES									
								Date of Reporting :	16-Nov-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)	
<b>Import/Export of ER (With NR)</b>									
1	765KV	GAYA-VARANASI	D/C	0	351	0.0	11.0	-11.0	
2		SASARAM-FATEHPUR	S/C	273	24	2.4	0.0	2.4	
3		GAYA-BALIA	S/C	0	322	0.0	5.6	-5.6	
4	HVDC LINK	PUSAULI B/B	S/C	0	148	0.0	0.0	0.0	
5	400 KV	PUSAULI-SARNATH	S/C	11	162	0.0	0.5	-0.5	
6		PUSAULI-ALLAHABAD	S/C	25	151	0.0	2.8	-2.8	
7		MUZAFFARPUR-GORAKHPUR	D/C	216	263	0.0	2.0	-2.0	
8		PATNA-BALIA	Q/C	0	710	0.0	15.0	-15.0	
9		BIHARSHARIFF-BALIA	D/C	128	114	0.0	1.0	-1.0	
10		BARH-GORAKHPUR	D/C	0	554	0.0	11.1	-11.1	
11	220 KV	BIHARSHARIFF-VARANASI	D/C	0	0	0.7	0.0	0.7	
12		PUSAULI-SAHUPURI	S/C	0	224	0.0	4.0	-4.0	
13		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
14		GARWAH-RIHAND	S/C	35	0	0.8	0.0	0.8	
15		KARMANASA-SAHUPURI	S/C	0	0	0.4	0.0	0.4	
16	132 KV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>4.3</b>	<b>52.9</b>	<b>-48.6</b>	
<b>Import/Export of ER (With WR)</b>									
17	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	85	639	0.0	7.0	-7.0	
18		NEW RANCHI-DHARAMJAIGARH	D/C	351	158	2.7	0.0	2.7	
19	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	170	0	1.7	0.0	1.7	
20		JHARSUGUDA-RAIGARH	S/C	174	0	2.3	0.0	2.3	
21		IBEUL-RAIGARH	S/C	49	0	1.6	0.0	1.6	
22		STERLITE-RAIGARH	D/C	100	130	0.0	0.7	-0.7	
23	220 KV	RANCHI-SIPAT	D/C	251	0	2.7	0.0	2.7	
24		BUDHIPADAR-RAIGARH	S/C	73	76	0.2	0.0	0.2	
25		BUDHIPADAR-KORBA	D/C	211	0	3.2	0.0	3.2	
<b>ER-WR</b>						<b>14.3</b>	<b>7.7</b>	<b>6.5</b>	
<b>Import/Export of ER (With SR)</b>									
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	334	0.0	15.5	-15.5	
27	400 KV	TALCHER-KOLAR BIPOLE	D/C	0.0	2265	0.0	43.2	-43.2	
28		TALCHER-I/C		0.0	1410	0.0	21.3	-21.3	
29	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>58.8</b>	<b>-58.8</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 KV	BINAGURI-BONGAIGAON	Q/C	9	1536	0.0	17.2	-17	
31	220 KV	BIRPARA-SALAKATI	D/C	0	0	0.0	2.9	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>20.1</b>	<b>-20.1</b>	
<b>Import/Export of NR (With NER)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0	
<b>NR-NER</b>						<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	VCHAL B/B	D/C	500	0	11.9	0.0	11.9	
34	HVDC	APL -MHG	D/C	0	1814	0.0	37.5	-37.5	
35	765 KV	GWALIOR-AGRA	D/C	0	2450	0.0	49.7	-49.7	
36	765 KV	PHAGI-GWALIOR	D/C	0	1812	0.0	36.3	-36.3	
37	400 KV	ZERDA-KANKROLI	S/C	172	81	1.0	0.0	1.0	
38	400 KV	ZERDA -BHINMAL	S/C	180	226	0.0	0.8	-0.8	
39	400 KV	VCHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
40	400KV	RAPP-SHUJALPUR	D/C	0	0	0	0	0	
41	220 KV	BADOD-KOTA	S/C	103	0	1.3	0.0	1.3	
42		BADOD-MORAK	S/C	45	21	0.2	0.1	0.1	
43		MEHGAON-AURAIYA	S/C	95	0	1.6	0.0	1.6	
44		MALANPUR-AURAIYA	S/C	45	0	0.6	0.0	0.6	
45	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>16.7</b>	<b>124.3</b>	<b>-107.6</b>	
<b>Import/Export of WR (With SR)</b>									
46	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9	
47	765 KV	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
48		SOLAPUR-RAICHUR	D/C	0	2315	0.0	47.0	-47.0	
49	400 KV	KOLHAPUR-KUDGI	D/C	0	522	0.0	7.7	-7.7	
50	220 KV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
51		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
52		XELDEM-AMBEWADI	S/C	84	0	1.6	0.0	1.6	
<b>WR-SR</b>						<b>1.6</b>	<b>78.6</b>	<b>-77.1</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
54		BHUTAN						<b>13.5</b>	
55		NEPAL						<b>-3.3</b>	
56		BANGLADESH						<b>-11.5</b>	



**DATE OF REPORTING-16.11.2016**  
**LINE OUTAGE REPORT FOR 15.11.2016**

Sl. No.	Name of Line	Voltage (kV)	Region	Ownership	Outage		Revival	Reason of Outage/Remark
					Date	Time		
<b>IR Links</b>								
1	BINAGURI-BONGAIGAON-II	400	ER/NER	PGCIL	15.11.16	2209	STILL OUT	HIGH VOLTAGE
<b>NR</b>								
1	JALANDHAR-(BY PASSING SAMBA)-KISANPUR	400	NR	PGCIL	26.10.16	2153	STILL OUT	HIGH VOLTAGE
2	DHURI(400KV)-RAJपुरA (TH)-1	400	NR	PSEB	08.11.16	0304	STILL OUT	HIGH VOLTAGE
3	DHURI(400KV)-TALWANDI SABO 1	400	NR	PSEB	08.11.16	2132	STILL OUT	HIGH VOLTAGE
4	BAGHPAT-KATHAL-1	400	NR	PGCIL	08.11.16	2215	STILL OUT	HIGH VOLTAGE
5	MUKATSAR-TALWANDI SABO - 2	400	NR	PSEB	09.11.16	2134	STILL OUT	HIGH VOLTAGE
6	MAKHU-MUKATSAR-2	400	NR	PSEB	09.11.16	2136	STILL OUT	HIGH VOLTAGE
7	AMRITSAR-PARB-POL-1	400	NR	PGCIL	09.11.16	2140	STILL OUT	HIGH VOLTAGE
8	BHWANI-HISAR	400	NR	PGCIL	10.11.16	2048	STILL OUT	HIGH VOLTAGE
9	BIKANER-MERTA	400	NR	RRVNL	11.11.16	1609	STILL OUT	HIGH VOLTAGE
10	AJMER-II-DIDWANA	400	NR	RRVNL	11.11.16	1235	STILL OUT	HIGH VOLTAGE
11	PATIALA(PG)-PATRAN(PTCL)-1	400	NR	PGCIL	12.11.16	0038	STILL OUT	HIGH VOLTAGE
12	AGRA(PG)-AURAIYA(NTPC)-2	400	NR	PGCIL	12.11.16	2225	STILL OUT	HIGH VOLTAGE
13	AKAL-JODHPUR-II	400	NR	RRVNL	13.11.16	1750	STILL OUT	HIGH VOLTAGE
14	KATHAL-PATRAN-I	400	NR	PGCIL	14.11.16	0113	STILL OUT	HIGH VOLTAGE
15	FATEHABAD 765-LALITPUR-I	765	NR	UPPTCL	14.11.16	1857	STILL OUT	HIGH VOLTAGE
16	AGRA-SIKAR-II	400	NR	PGCIL	14.11.16	1508	STILL OUT	HIGH VOLTAGE
17	PANCHKULA-PATIALA-I	400	NR	PGCIL	14.11.16	2152	STILL OUT	HIGH VOLTAGE
18	AGRA-SIKAR-I	400	NR	PGCIL	15.11.16	1620	STILL OUT	HIGH VOLTAGE
19	BALLABHGARH-KANPUR-I	400	NR	PGCIL	15.11.16	1632	STILL OUT	HIGH VOLTAGE
20	BIKANER-DIDWANA-I	400	NR	RRVNL	15.11.16	1619	STILL OUT	HIGH VOLTAGE
21	RATANGARH-SIKAR-II	400	NR	PGCIL	15.11.16	1619	STILL OUT	HIGH VOLTAGE
22	BHWADI-NEEMRANA-I	400	NR	PGCIL	15.11.16	1620	STILL OUT	HIGH VOLTAGE
23	BHWADI-HISSAR-II	400	NR	PGCIL	15.11.16	1624	STILL OUT	HIGH VOLTAGE
24	FATEHABAD(PG)-KHEDAR(HVNP)-1	400	NR	HVNL	15.11.16	2020	STILL OUT	HIGH VOLTAGE
25	ABDULLAPUR-PANCHKULA-2	400	NR	PGCIL	15.11.16	2155	STILL OUT	HIGH VOLTAGE
26	KOTA-MERTA-I	400	NR	PGCIL	15.11.16	2024	STILL OUT	HIGH VOLTAGE
27	RATANGARH-SIKAR-I	400	NR	PGCIL	15.11.16	2028	STILL OUT	HIGH VOLTAGE
28	NALLAGARH-PARVATI POOL	400	NR	PKTCL	15.11.16	2036	STILL OUT	HIGH VOLTAGE
29	AGRA-FATEHPUR-II	765	NR	PGCIL	15.11.16	2037	STILL OUT	HIGH VOLTAGE
30	BHWANA-MEERUT	765	NR	PGCIL	15.11.16	2039	STILL OUT	HIGH VOLTAGE
31	MEERUT-MOGA	765	NR	PGCIL	15.11.16	2156	STILL OUT	HIGH VOLTAGE
32	ABDULLAPUR-KURUKSHETRA(PG)-2	400	NR	PGCIL	15.11.16	2150	STILL OUT	HIGH VOLTAGE
33	AMRITSAR(PG)-MAKHU(PSEB)-2	400	NR	PSEB	15.11.16	2155	STILL OUT	HIGH VOLTAGE
34	JALANDHAR-KURUKSHETRA-I	400	NR	PGCIL	15.11.16	2039	STILL OUT	HIGH VOLTAGE
35	CHAMERA POOL-JALANDHAR-I	400	NR	PGCIL	15.11.16	2042	STILL OUT	HIGH VOLTAGE
36	JHAKRA-PANCHKULA-I	400	NR	PGCIL	15.11.16	2042	STILL OUT	HIGH VOLTAGE
37	BALLABHGARH-BAMNAULII	400	NR	DTL	15.11.16	2043	STILL OUT	HIGH VOLTAGE
38	CHAMERA-JALANDHAR-I	400	NR	PGCIL	15.11.16	2046	STILL OUT	HIGH VOLTAGE
39	ABDULLAPUR-KARCHAMWANGTOO-I	400	NR	JPL	15.11.16	2052	STILL OUT	HIGH VOLTAGE
40	BALLABHGARH-MAINPURI-I	400	NR	PGCIL	15.11.16	2101	STILL OUT	HIGH VOLTAGE
41	NEEMRANA-SIKAR-II	400	NR	PGCIL	15.11.16	2147	STILL OUT	HIGH VOLTAGE
42	KURUKSHETRA-SONPAT-II	400	NR	PGCIL	15.11.16	2157	STILL OUT	HIGH VOLTAGE
43	KOLDAM-LUDHIANA-II	400	NR	PKTCL	15.11.16	2159	STILL OUT	HIGH VOLTAGE
44	NALLAGARH-PATIALA-II	400	NR	PGCIL	15.11.16	2201	STILL OUT	HIGH VOLTAGE
45	NALLAGARH-RAMPUR-II	400	NR	PGCIL	15.11.16	2225	STILL OUT	HIGH VOLTAGE
<b>WR</b>								
1	BHACHAU(PG)-ESSAR VADINAR(GETCO)-II	400	WR	PGCIL	18.09.16	0235	STILL OUT	HIGH VOLTAGE
2	BHACHAU(PG)-ESSAR VADINAR(GETCO)-I	400	WR	PGCIL	08.10.16	0050	STILL OUT	HIGH VOLTAGE
3	CHHEGOAN-JULWANA S/C-I	400	WR	MPPTCL	10.10.16	1308	STILL OUT	HIGH VOLTAGE
4	DURG-KOTRA-II	765	WR	PGCIL	07.11.16	1158	STILL OUT	HIGH VOLTAGE
5	DHARAMJAIGARH (PG)-JABALPUR(PS) IV	765	WR	STERLITE	11.11.16	1741	STILL OUT	HIGH VOLTAGE
6	KHANDWA(PG)-INDORE(PG)-I	400	WR	PGCIL	12.11.16	2007	STILL OUT	HIGH VOLTAGE
7	KOLHAPUR GIS(PG)-MAPUSA(PG)-II	400	WR	PGCIL	15.11.16	1743	STILL OUT	HIGH VOLTAGE
8	KHANDWA-RAIGARH-I	400	WR	PGCIL	15.11.16	1954	STILL OUT	HIGH VOLTAGE
9	DHULE-SARDAR SAROVAR-I	400	WR	MSETCL	15.11.16	2037	STILL OUT	HIGH VOLTAGE
10	CHORANA-VADVA-I	400	WR	GETCO	15.11.16	2036	STILL OUT	HIGH VOLTAGE
11	AURANGABAD WARDHA-II	765	WR	PGCIL	15.11.16	2137	STILL OUT	HIGH VOLTAGE
12	PUNE GIS/SHIKRAPUR/SOLAPUR(PG)-I	765	WR	PGCIL	15.11.16	2325	STILL OUT	HIGH VOLTAGE
13	ASOJ-CHORNIA-II	400	WR	GETCO	15.11.16	2033	STILL OUT	HIGH VOLTAGE
14	SOJA-WANAKBOR-I	400	WR	GETCO	15.11.16	2035	STILL OUT	HIGH VOLTAGE
15	KARAD-KOLHAPUR-I	400	WR	MSETCL	15.11.16	2100	STILL OUT	HIGH VOLTAGE
16	KARAD-JAIGAD-II	400	WR	MSETCL	15.11.16	2154	STILL OUT	HIGH VOLTAGE
17	KANSARI-VADVA-II	400	WR	PGCIL	15.11.16	2203	STILL OUT	HIGH VOLTAGE
18	AMRELI-JETPUR-II	400	WR	GETCO	15.11.16	2204	STILL OUT	HIGH VOLTAGE
<b>ER</b>								
1	TALA-BINAGURI-IV	400	ER	PGCIL	01.11.16	1329	STILL OUT	HIGH VOLTAGE
2	TALA-BINAGURI-I	400	ER	PGCIL	14.11.16	2243	STILL OUT	HIGH VOLTAGE
<b>SR</b>								
1	VEMAGIRI-GVK-I	400	SR	APTRANSCO	01.11.16	1236	STILL OUT	HIGH VOLTAGE
2	VEMAGIRI-GAUTHAMI CCCP-II	400	SR	APTRANSCO	03.11.16	1617	STILL OUT	HIGH VOLTAGE
3	SATTENPALLY-SRISAILAM-II	400	SR	APTRANSCO	05.11.16	1916	STILL OUT	HIGH VOLTAGE
4	KUDGI-NARENDRA-I	400	SR	PGCIL	06.11.16	1727	STILL OUT	HIGH VOLTAGE
5	GUTTUR-NARENDRA-II	400	SR	PGCIL	06.11.16	2135	STILL OUT	HIGH VOLTAGE
6	URAVAKONDA-JAMMALAMADUGU-I	400	SR	APTRANSCO	07.11.16	2341	STILL OUT	HIGH VOLTAGE
7	KARUN-NARENDRA-I	400	SR	PGCIL	08.11.16	2337	STILL OUT	HIGH VOLTAGE
8	KUDGI-TUMKUR-I	400	SR	PGCIL	09.11.16	2129	STILL OUT	HIGH VOLTAGE
9	SRISAILAM-SHANKARPALLY	400	SR	APTRANSCO	11.11.16	0239	STILL OUT	HIGH VOLTAGE
10	GOOTY-TUMKUR-I	400	SR	PGCIL	13.11.16	2207	STILL OUT	HIGH VOLTAGE
11	SURYAPET-MALKARAM	400	SR	APTRANSCO	13.11.16	2226	STILL OUT	HIGH VOLTAGE
12	PUGALUR-KARAIKUDI-II	400	SR	TNEB	13.11.16	2213	STILL OUT	HIGH VOLTAGE
13	KARAIKUDI-MADURAI	400	SR	PGCIL	13.11.16	2136	STILL OUT	HIGH VOLTAGE
14	KURNOOL-NPS-I	765	SR	PGCIL	15.11.16	1508	STILL OUT	HIGH VOLTAGE
15	VTPS STG IV-MALKARAM	400	SR	APTRANSCO	15.11.16	2213	STILL OUT	HIGH VOLTAGE
<b>NER</b>								
1	BALIPARA-BISWANATH CHARIAL-I	400	NER	PGCIL	10.11.16	2238	STILL OUT	HIGH VOLTAGE
<b>LINES UNDER B/D</b>								
<b>CENTRAL SECTOR</b>								
1	ATHENA-KOTRA(PS)-I	400	WR	PGCIL	30.04.16	2202	STILL OUT	Y-PH DE/DT RELAY OPERATE AT ATHENA. PROVISION OF DE/DT RELAY AT TOWER COLLAPSED NEAR TO MENDHASAL
2	ATHENA-KOTRA(PS)-II	400	WR	PGCIL	01.05.16	1146	STILL OUT	FOR TESTING AND CHECKING WORKS. KEPT OPEN AFTER FTC
3	MARIANI-MOKCHUNG-II	220	NER	PGCIL	12.07.16	0111	STILL OUT	TOWER TILTED DUE TO LANDSLIDE
4	PATNA-KISANGUNI-D/C	400	ER	PGCIL	26.07.16	1200	STILL OUT	TOWER COLLAPSED AT LOC NO. 51
5	BIHARSHARIF-PURNEA-I & II	400	ER	PGCIL	23.08.16	0651	STILL OUT	Y-N FAULT
6	KHANDWA-BETUL-I	400	WR	PGCIL	19.09.16	1132	STILL OUT	LINE RECTIFICATION WORK
7	400KV BINA(PG)-NHPTL(BINA)-S/C	400	WR	PGCIL	21.10.16	1811	STILL OUT	THE NHPTL TESTING IS COMPLETED SO THE LINE IS KEPT OPEN.
8	KURNOOL-THIRUVALLAM-2	765	SR	PGCIL	07.11.16	1100	STILL OUT	LINE SWAP
<b>STATE SECTOR</b>								
1	BAMNALI-JATIKARA-I	400	NR	DTL	22.05.16	2029	STILL OUT	PHASE TO EARTH FAULT TOWER DAMAGE
2	MEERAMUNDAL-MENDHASAL-S/C	400	ER	OPTCL	23.05.16	1720	STILL OUT	TOWER COLLAPSED NEAR TO MENDHASAL
3	GAYA-DEHRI-D/C	220	ER	PSEB	27.05.16	1312	STILL OUT	TOWER COLLAPSED
4	WARIA-BIDHANNAGAR-II	220	ER	WBSETCL	10.09.16	1046	STILL OUT	TRIPPED ON B FAULT
5	SATNA(PG)-MAIHAR(MP)-S/C	220	WR	MSETCL	26.10.16	1946	STILL OUT	KEPT OPEN AT MAIHAR END AS PER M.P REQUIREMENT
<b>LINES UNDER S/D</b>								
<b>CENTRAL SECTOR</b>								
1	KHANDWA-BETUL-II	400	WR	PGCIL	27.09.16	1109	STILL OUT	LINE RECTIFICATION WORKS
2	BONGAIGAON-BALPARA-2	400	NER	PGCIL	31.10.16	0831	STILL OUT	S/D AVAILABLE BY POWERGRID
3	RIHAND-DADRI POLE-I	500	NR	PGCIL	14.11.16	0903	STILL OUT	FOR REPLACEMENT OF LIGHT GUIDE
4	KOTESHWAR POOL-TEHR-I	400	NR	PGCIL	14.11.16	0911	STILL OUT	REPLACEMENT OF ISOLATOR
5	AGRA-BHWAD-I&II	400	NR	PGCIL	14.11.16	1114	STILL OUT	DIVERSION OF LINE FOR TOWER ERECTION
6	DASIYA-SARNA-II	220	NR	PGCIL	14.11.16	0920	STILL OUT	POLYMER INSULATOR REPLACEMENT
7	BASSI-PHAG-I	400	NR	PGCIL	15.11.16	2143	STILL OUT	TO ATTEND SPARKING AT LOC NO. 70
<b>STATE SECTOR</b>								
1	CHIKKODI-TALANDGE	220	SR/WR	KPCL	01.09.16	0000	STILL OUT	NO SCHEDULE BETWEEN KARNATAKA & MSEB
2	CHIKKODI-MUTHISINGI S/C	220	SR/WR	MSETCL	01.09.16	0000	STILL OUT	NO SCHEDULE BETWEEN KARNATAKA & MSEB
3	MUNDRA-VERSANA-II	400	WR	GETCO	15.11.16	0845	STILL OUT	TO ATTEND HOT SPOT
4	KALPAKA-VEMAGIRI-II	400	SR	TNEB	15.11.16	0915	STILL OUT	MAINTENANCE WORKS
5	SIMHADRI-KALPAKA-II	400	SR	TNEB	15.11.16	0843	STILL OUT	MAINTENANCE WORKS
<b>SYSTEM CONSTRAINTS</b>								
<b>CENTRAL SECTOR</b>								
<b>STATE SECTOR</b>								
1	U. SILERU-BALMELA	220	ER/SR	OPTCL	27.04.15	1141	STILL OUT	IDLE CHARGED
2	AURANGABAD-(II)-BABLESHWAR-I	400	WR	MSETCL	10.10.16	1815	STILL OUT	TO CONTROL LINE LOADING ON BABLESHWAR ICTS



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

Date of Reporting: 16.11.2016

	Station Name	Fuel Type	Installed Capacity (MW)	UNITS		Average Declared Capacity	Average Schedule	Less Requisition	
				S/D	Fuel Shortage				
NR	ANTA	GAS	419			262	228	34	
		RLNG				0	0	0	
		LF				145	0	145	
		<b>Total</b>				<b>407</b>	<b>228</b>	<b>178</b>	
	AURAIYA	GAS	663			0	0	0	
		RLNG				0	0	0	
		LF				624	0	624	
		<b>Total</b>				<b>624</b>	<b>0</b>	<b>624</b>	
	DADRI	GAS	830			210	167	42	
		RLNG				0	0	0	
		LF				376	0	376	
		<b>Total</b>				<b>586</b>	<b>168</b>	<b>419</b>	
	<b>NR TOTAL</b>		<b>1912</b>			<b>1617</b>	<b>396</b>	<b>1221</b>	
WR	KAWAS	GAS	656			365	252	114	
		NAPM				143	44	99	
		LF				0	0	0	
		RLNG				141	0	141	
		<b>Total</b>		0	0	<b>650</b>	<b>296</b>	<b>354</b>	
	GANDHAR	GAS	657			313	269	44	
		NAPM				228	63	165	
		RLNG				90	0	90	
		<b>Total</b>		0	0	<b>631</b>	<b>332</b>	<b>298</b>	
	RGPPL	GAS	1967			104	16	88	
		RLNG				0	0	0	
		RLNG-EBID				545	486	59	
		<b>Total</b>		0	0	<b>649</b>	<b>502</b>	<b>147</b>	
		<b>WR TOTAL</b>		<b>3280</b>	0	0	<b>1930</b>	<b>1130</b>	<b>800</b>

Note:-

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

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

Date of Reporting: 16.11.16

### Northern Region

	09.11.16 TO 15.11.16	09.11.15 TO 15.11.15	% Increase
Peak Demand	39288	37925	3.6
Peak Shortage	494	845	-41.5
Energy Met	819	786	4.2
Hydro	117	138	-15.0
Wind	10	8	23.3

### Eastern Region

	09.11.16 TO 15.11.16	09.11.15 TO 15.11.15	% Increase
Peak Demand	17100	16924	1.0
Peak Shortage	86	147	-41.5
Energy Met	320	337	-5.0
Hydro	41	28	46.9
Wind	-	-	-

### Western Region

	09.11.16 TO 15.11.16	09.11.15 TO 15.11.15	% Increase
Peak Demand	44155	40461	9.1
Peak Shortage	20	234	-91.5
Energy Met	1011	948	6.7
Hydro	48	27	78.9
Wind	17	20	-17.7

### North-Eastern Region

	09.11.16 TO 15.11.16	09.11.15 TO 15.11.15	% Increase
Peak Demand	2234	2273	-1.7
Peak Shortage	86	76	13.8
Energy Met	39	38	1.9
Hydro	11	10	15.5
Wind	-	-	-

### Southern Region

	09.11.16 TO 15.11.16	09.11.15 TO 15.11.15	% Increase
Peak Demand	36518	29117	25.4
Peak Shortage	59	957	-93.8
Energy Met	861	652	32.2
Hydro	38	36	6.1
Wind	14	20	-30.0

### All India Summary

	09.11.16 TO 15.11.16	09.11.15 TO 15.11.15	% Increase
Peak Demand	139296	126700	9.9
Peak Shortage	745	2258	-67.0
Energy Met	3049	2760	10.5
Hydro	256	239	7.3
Wind	41	49	-15.8
Gen Outage	61299	55698	10.1

### All India Frequency Profile

Date	<49.7		49.7-49.8		AVE. Freq.	FVI
	15.11.16	15.11.15	15.11.16	15.11.15	15.11.16	15.11.16
NEW GRID	0.0	0.0	0.0	0.8	50.01	0.037
SR GRID	0.0	0.0	0.0	0.8	50.01	0.037

Date	49.8-49.9		<49.9		49.9-50.05		>50.05	
	15.11.16	15.11.15	15.11.16	15.11.15	15.11.16	15.11.15	15.11.16	15.11.15
NEW GRID	4.51	7.38	4.54	8.2	72.84	66.93	22.63	24.85
SR GRID	4.51	7.38	4.54	8.2	72.84	66.93	22.63	24.85

## 2). Market Data (Power Exchange)

For Date: 16.11.16

### Volume

Exchange	Provisional (MUs)	Final (MUs)
PXI	0.15	0.15
IEX	121.52	110.67
Total	121.67	110.82

### Congestion

Link	Time Block
ER-SR	18-36, 45-80, 82-84
SR DRAWAL	18-36, 45-80, 82-84
WR-SR	01-96
ER-NR	38-40
NR DRAWAL	37-41
WR-NR	NIL

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 15.11.2016

Date of Reporting : 16.11.2016



### 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
39196	480	39677	50.10	28784	714	29498	50.10	808.14	11.78

\* 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	Renewable/others \$	Total					
Punjab	38.12	9.06	0.27	47.45	41.72	43.52	1.80	90.96	0.00
Haryana	29.36	0.51	0.00	29.86	75.83	74.48	-1.35	104.34	0.00
Rajasthan	115.63	5.17	6.43	127.23	72.29	75.59	3.30	202.82	0.00
Delhi	14.33		0.00	14.33	40.45	40.90	0.46	55.23	0.01
UP	152.55	8.17	0.00	160.72	93.11	93.41	0.30	254.13	1.31
Uttarakhand		7.90	0.00	9.92	19.41	21.59	2.18	31.51	0.00
HP		4.25	1.94	6.18	17.01	17.81	0.81	23.99	0.00
J & K		7.10	0.00	7.10	34.70	34.90	0.20	42.00	10.46
Chandigarh				0.00	3.31	3.15	-0.17	3.15	0.00
<b>Total</b>	<b>349.98</b>	<b>42.16</b>	<b>8.64</b>	<b>402.79</b>	<b>397.83</b>	<b>405.35</b>	<b>7.52</b>	<b>808.14</b>	<b>11.78</b>

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

### 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				Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	4418	0	176	-338	2805	0	75	-337	4418	19:00	0
Haryana	5769	0	36	-24	3027	0	110	-324	5769	19:00	0
Rajasthan	8692	0	82	499	8009	0	50	712	9853	8:00	0
Delhi	2907	0	87	-311	1525	0	57	-644	2907	19:00	0
UP	12459	0	-126	-195	9989	320	124	129	12538	20:00	70
Uttarakhand	1637	0	22	107	1025	0	121	245	1679	18:00	0
HP	1225	0	-15	-43	742	0	7	327	1354	8:00	0
J&K	1921	480	29	429	1576	394	-26	350	2000	8:00	500
Chandigarh	169	0	-31	-30	85	0	5	-30	169	18:00	0
<b>Total</b>	<b>39196</b>	<b>480</b>	<b>260</b>	<b>93</b>	<b>28784</b>	<b>714</b>	<b>523</b>	<b>428</b>	<b>39196</b>	<b>19:00</b>	<b>480</b>

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

Diversity is 1.04

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

### 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	1718	1772	1669	39.96	1665	39.74	0.22
	Rihand I STPS (2*500)	1000	880	831	654	18.14	756	18.03	0.11
	Rihand II STPS (2*500)	1000	963	847	711	19.36	807	19.24	0.13
	Rihand III STPS (2*500)	1000	963	878	745	19.60	817	19.63	-0.03
	Dadri I STPS (4*210)	840	815	183	131	4.20	175	4.35	-0.14
	Dadri II STPS (2*490)	980	980	438	332	8.93	372	9.72	-0.79
	Unchahar I TPS (2*210)	420	355	282	338	7.27	303	7.68	-0.41
	Unchahar II TPS (2*210)	420	402	304	303	7.28	304	7.64	-0.36
	Unchahar III TPS (1*210)	210	201	162	146	3.39	141	3.78	-0.39
	ISTPP (Jhajjar) (3*500)	1500	1425	638	603	14.83	618	15.04	-0.22
	Dadri GPS (4*130.19+2*154.51)	830	586	148	191	3.93	164	4.03	-0.10
	Anta GPS (3*88.71+1*153.2)	419	407	201	192	5.49	229	5.48	0.01
	Auraiya GPS (4*111.19+2*109.30)	663	624	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.01	1	0.01	0.00
	Unchahar Solar(10)	10	2	0	0	0.00	0	0.04	-0.04
	Singrauli Solar(15)	15	2	0	0	0.01	0	0.05	-0.05
	KHEP(4*200)	800	860	850	0	3.59	150	3.30	0.29
<b>Sub Total (A)</b>	<b>12112</b>	<b>11183</b>	<b>7534</b>	<b>6015</b>	<b>156</b>	<b>6500</b>	<b>158</b>	<b>-1.77</b>	
B. NPC	NAPS (2*220)	440	406	437	447	9.74	406	9.74	0.00
	RAPS- B (2*220)	440	382	426	427	9.17	382	9.17	0.00
	RAPS- C (2*220)	440	220	233	237	4.95	206	5.28	-0.33
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1008</b>	<b>1096</b>	<b>1111</b>	<b>23.86</b>	<b>994</b>	<b>24.19</b>	<b>-0.33</b>
C. NHPC	Chamera I HPS (3*180)	540	540	553	0	2.01	84	1.80	0.21
	Chamera II HPS (3*100)	300	238	305	0	1.22	51	1.15	0.07
	Chamera III HPS (3*77)	231	231	151	0	0.77	32	0.70	0.07
	Bairasuli HPS(3*60)	180	179	180	0	0.67	28	0.63	0.04
	Salal-HPS (6*115)	690	120	300	147	3.26	136	2.89	0.38
	Tanakpur-HPS (3*31.4)	94	35	33	44	0.94	39	0.83	0.10
	Uri-I HPS (4*120)	480	74	230	21	1.95	81	1.77	0.18
	Uri-II HPS (4*60)	240	53	40	80	1.32	55	1.27	0.05
	Dhauliganga-HPS (4*70)	280	236	214	0	1.29	54	1.20	0.09
	Dulhasi-HPS (3*130)	390	383	392	0	4.15	173	3.98	0.16
	Sewa-II HPS (3*40)	120	119	109	0	0.33	14	0.36	-0.03
	Parbati 3 (4*130)	520	220	223	0	0.64	27	0.60	0.04
	<b>Sub Total (C)</b>	<b>4065</b>	<b>2427</b>	<b>2730</b>	<b>292</b>	<b>19</b>	<b>773</b>	<b>17</b>	<b>1.37</b>
	D.SJVNL	NJPC (6*250)	1500	1605	1506	0	8.82	368	8.80
Rampur HEP (6*68.67)		412	442	441	0	2.50	104	2.45	0.05
<b>Sub Total (D)</b>		<b>1912</b>	<b>2047</b>	<b>1947</b>	<b>0</b>	<b>11.32</b>	<b>472</b>	<b>11.25</b>	<b>0.07</b>
E. THDC	Tehri HPS (4*250)	1000	1075	1047	0	6.36	265	6.19	0.17
	Koteshwar HPS (4*100)	400	91	100	92	2.22	93	2.19	0.03
	<b>Sub Total (E)</b>	<b>1400</b>	<b>1166</b>	<b>1147</b>	<b>92</b>	<b>8.58</b>	<b>358</b>	<b>8.38</b>	<b>0.20</b>
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	505	988	374	12.47	519	12.12	0.34
	Dehar HPS (6*165)	990	161	495	145	3.95	165	3.86	0.09
	Pong HPS (6*66)	396	176	330	66	4.20	175	4.23	-0.04
	<b>Sub Total (F)</b>	<b>2765</b>	<b>842</b>	<b>1813</b>	<b>585</b>	<b>20.61</b>	<b>859</b>	<b>20.21</b>	<b>0.40</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	56	0	0.68	28	0.65	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	825	0	4.82	201	4.74	0.08
	Malana Stg-II HPS (2*50)	100	0	0	0	0.31	13	0.29	0.02
	Shree Cement TPS (2*150)	300	0	0	0	0.00	0	0.00	0.00
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.28	12	0.23	0.05
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>919</b>	<b>0</b>	<b>6.10</b>	<b>254</b>	<b>5.92</b>	<b>0.18</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18674</b>	<b>17187</b>	<b>8094</b>	<b>245.03</b>	<b>10210</b>	<b>244.90</b>	<b>0.13</b>	



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	0	0	-0.12	-5	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.08	-3	
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1	
	Rajpura (2*700)	1400	660	660	22.54	939	
	Talwandi Saboo (3*660)	1980	616	616	15.83	660	
	<b>Thermal (Total)</b>	<b>6560</b>	<b>1276</b>	<b>1276</b>	<b>38.12</b>	<b>1588</b>	
	Total Hydro	1000	379	343	9.06	378	
	Wind Power	0	0	0	0.00	0	
	Biomass	288	10	10	0.23	10	
	Solar	560	2	2	0.04	2	
	<b>Renewable(Total)</b>	<b>848</b>	<b>11</b>	<b>11</b>	<b>0.27</b>	<b>11</b>	
	<b>Total Punjab</b>	<b>8408</b>	<b>1666</b>	<b>1630</b>	<b>47.45</b>	<b>1977</b>	
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
		DCRTPP (Yamuna nagar) (2*300)	600	461	461	11.51	479
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
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	739	741	17.85	744	
<b>Thermal (Total)</b>		<b>4497</b>	<b>1200</b>	<b>1202</b>	<b>29.36</b>	<b>1223</b>	
Total Hydro		62	10	29	0.51	21	
Wind Power		0	0	0	0.00	0	
Biomass		40	0	0	0.00	0	
Solar		0	0	0	0.00	0	
<b>Renewable(Total)</b>		<b>40</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	
<b>Total Haryana</b>		<b>4599</b>	<b>1210</b>	<b>1231</b>	<b>29.86</b>	<b>1244</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1054	942	23.02	959
		suratgarh TPS (6*250)	1500	628	667	15.08	628
	Chabra TPS (4*250)	1000	860	873	21.12	880	
	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	116	161	3.66	152	
	RAPS A (NPC) (1*100+1*200)	300	169	169	4.24	177	
	Barsingsar (NLC) (2*125)	250	225	227	5.28	220	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	813	821	18.11	755	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	530	453	11.39	475	
	Kawai(Adani) (2*660)	1320	602	600	13.74	572	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4997</b>	<b>4913</b>	<b>115.63</b>	<b>4818</b>	
	Total Hydro	550	215	239	5.17	215	
	Wind power	4017	104	121	3.36	140	
	Biomass	99	21	21	0.49	21	
	Solar	1295	0	0	2.58	107	
	Renewable/Others (Total)	5411	125	142	6.43	268	
	<b>Total Rajasthan</b>	<b>14837</b>	<b>5337</b>	<b>5294</b>	<b>127.23</b>	<b>5301</b>	
UP	Anpara TPS (3*210+2*500)	1630	964	1231	26.70	1113	
	Obra TPS (2*50+2*94+5*200)	1194	267	296	6.70	279	
	Paricha TPS (2*110+2*220+2*250)	1160	712	577	16.40	683	
	Panki TPS (2*105)	210	153	135	3.40	142	
	Harduaganj TPS (1*60+1*105+2*250)	665	446	306	9.40	392	
	Tanda TPS (NTPC) (4*110)	440	276	210	6.25	260	
	Roza TPS (IPP) (4*300)	1200	1099	756	23.30	971	
	Anpara-C (IPP) (2*600)	1200	1004	986	23.00	958	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	282	7.80	325	
	Anpara-D(2*500)	1000	454	450	10.90	454	
	Lalitpur TPS(3*660)	1980	0	0	0.00	0	
	Bara(2*660)	1320	581	575	13.90	579	
	<b>Thermal (Total)</b>	<b>12449</b>	<b>6361</b>	<b>5804</b>	<b>147.75</b>	<b>6156</b>	
	Vishnuparyag HPS (IPP)(4*110)	440	117	112	2.70	113	
	Alaknada(4*82.5)	330	80	75	1.70	71	
	Other Hydro	527	273	108	3.77	157	
	Cogeneration	981	200	200	4.80	200	
	Wind Power	0	0	0	0.00	0	
	Biomass	26	0	0	0.00	0	
	Solar	102	0	0	0.00	0	
	<b>Renewable(Total)</b>	<b>128</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	
	<b>Total UP</b>	<b>14855</b>	<b>7031</b>	<b>6299</b>	<b>160.72</b>	<b>6696</b>	
	Uttarakhand	Other Hydro	1250	616	158	7.90	329
Total Gas		225	30	101	1.57	65	
Wind Power		0	0	0	0.00	0	
Biomass		127	18	15	0.39	16	
Solar		20	0	0	0.05	2	
Small Hydro (< 25 MW)		180	0	0	0.00	0	
<b>Renewable(Total)</b>		<b>327</b>	<b>18</b>	<b>15</b>	<b>0.45</b>	<b>19</b>	
<b>Total Uttarakhand</b>		<b>1802</b>	<b>664</b>	<b>274</b>	<b>9.92</b>	<b>413</b>	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	78	77	1.93	80	
	Pragati Gas Turbine (2x104+ 1x122)	330	265	265	6.39	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	280	6.03	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>593</b>	<b>622</b>	<b>14.33</b>	<b>597</b>	
	Wind Power	0	0	0	0.00	0	
	Biomass	16	0	0	0.00	0	
	Solar	2	0	0	0.00	0	
	<b>Renewable(Total)</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	
<b>Total Delhi</b>	<b>2935</b>	<b>593</b>	<b>622</b>	<b>14.33</b>	<b>597</b>		

HP	Baspa HPS (IPP) (3*100)	300	0	0	1.44	60
	Malana HPS (IPP) (2*43)	86	44	0	0.32	13
	Other Hydro	372	121	58	2.49	104
	Wind Power	0	0	0	0.00	0
	Biomass	0	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Small Hydro (< 25 MW)	486	86	78	1.94	81
	<b>Renewable(Total)</b>	<b>486</b>	<b>86</b>	<b>78</b>	<b>1.94</b>	<b>81</b>
	<b>Total HP</b>	<b>1244</b>	<b>252</b>	<b>136</b>	<b>6.18</b>	<b>258</b>
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	293	143	4.33
Other Hydro/IPP(including 98 MW Small Hydro)		308	138	93	2.77	115
Gas/Diesel/Others		190	0	0	0.00	0
Wind Power		0	0	0	0.00	0
Biomass		0	0	0	0.00	0
Solar		0	0	0	0.00	0
Small Hydro (< 25 MW)Included in Other Hydro Above		98	0	0	0.00	0
<b>Renewable(Total)</b>		<b>98</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>
<b>Total J &amp; K</b>		<b>1398</b>	<b>431</b>	<b>236</b>	<b>7</b>	<b>296</b>
<b>Total State Control Area Generation</b>		<b>50078</b>	<b>17184</b>	<b>15723</b>	<b>402.79</b>	<b>16783</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>		<b>6625</b>	<b>6332</b>	<b>170.66</b>	<b>7111</b>	
<b>Total Regional Availability(Gross)</b>	<b>75315</b>	<b>40995</b>	<b>30149</b>	<b>818.47</b>	<b>34103</b>	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9369	969	68.48	2853
State Control Area Hydro	7163	2421	1552	44.09	1921
<b>Total Regional Hydro</b>	<b>19397</b>	<b>11790</b>	<b>2521</b>	<b>112.57</b>	<b>4774</b>

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.02	1
State Control Area Renewable	7356	241	247	9.08	378
<b>Total Regional Renewable</b>	<b>7386</b>	<b>241</b>	<b>247</b>	<b>9.10</b>	<b>379</b>

VI(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 MU
			Import	Export	Import	Export	
Vindhyhall(HVDC B/B)	-500	-500	0	500	0.00	11.92	-11.92
765 KV Gwalior-Agra (D/C)	1979	1623	2456	0	49.56	0.00	49.56
400 KV Zerda-Kankroli	-84	-70	81	172	0.00	1.34	-1.34
400 KV Zerda-Bhinmal	-19	17	226	180	0.79	0.00	0.79
220 KV Auraiya-Malanpur	-116	-117	0	144	0.00	2.22	-2.22
220 KV Badod-Kota/Morak	-59	-82	21	98	0.00	1.50	-1.50
Mundra-Mohindergarh(HVDC Bipole)	1802	1399	1804	0.00	37.46	0.00	37.46
400 KV RAPP-C-Sujalpur	0	0	0	0	0.00	0.00	0.00
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1296	1294	891	0	35.67	0.00	35.67
<b>Sub Total WR</b>	<b>4299</b>	<b>3564</b>			<b>123.49</b>	<b>16.97</b>	<b>106.52</b>
400 kV Sasaram - Varanasi	0	0	162	0	0.52	0.00	0.52
400 kV Sasaram - Allahabad	150	150	150	17	2.77	0.00	2.77
400 KV MZP- GKP (D/C)	-95	138	265	93	1.94	0.00	1.94
400 KV Patna-Balia(D/C) X 2	510	554	675	0	14.34	0.00	14.34
400 KV B'Sharif-Balia (D/C)	83	61	135	0	0.97	0.00	0.97
765 KV Gaya-Balia	181	243	290	0	5.68	0.00	5.68
765 KV Gaya-Varanasi (D/C)	300	454	633	0	11.18	0.00	11.18
220 KV Pusaui-Sahupuri	187	189	219	0	3.97	0.00	3.97
132 KV K'nasa-Sahupuri	0	-20	0	30	0.00	0.44	-0.44
132 KV Son Ngr-Rihand	-40	-35	0	46	0.00	0.86	-0.86
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-209	-149	19	268	0.00	2.53	-2.53
400 KV Barh -GKP (D/C)	460	488	564	0	11.50	0.00	11.50
400 kV B'Sharif - Varanasi (D/C)	127	27	76	127	0.00	0.80	-0.80
<b>Sub Total ER</b>	<b>1654</b>	<b>2100</b>			<b>52.87</b>	<b>4.63</b>	<b>48.23</b>
+/- 800 KV BiswanathCharialli-Agra	672	668	675	0.00	15.91	0.00	15.91
<b>Sub Total NER</b>	<b>672</b>	<b>668</b>			<b>15.91</b>	<b>0.00</b>	<b>15.91</b>
<b>Total IR Exch</b>	<b>6625</b>	<b>6332</b>			<b>192.26</b>	<b>21.60</b>	<b>170.66</b>

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

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
45.66	1.50	47.16	1.76	-8.04	9.57	16.28	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
58.50	112.44	170.94	64.14	106.52	170.66	5.64	-5.92	-0.28

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

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	0	0	0	29	0	0	-0.13

VII. 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	0.02	4.54	47.16	72.84	17.05	5.63	0.01	0.00

<----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
Freq	Time	Freq	Time						
50.20	21.54	49.79	17.12	50.01	0.037	0.061	50.23	0.00	27.16

## VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	410	12:52	402	5:30	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	13:02	403	17:56	0.0	0.0	4.3	0.0	4.3
Bareilly(PG)400kV	400	421	0:04	395	10:49	0.0	0.0	1.7	0.0	1.7
Kanpur	400	419	0:45	398	10:49	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	1:58	125	10:52	2.6	2.6	25.4	0.0	28.0
Ballabgarh	400	432	0:49	404	11:21	0.0	0.0	46.6	12.7	46.6
Bawana	400	429	1:58	409	11:21	0.0	0.0	42.3	0.0	42.3
Bassi	400	425	19:42	378	10:50	0.0	0.1	5.8	0.0	5.8
Hissar	400	423	1:58	403	6:25	0.0	0.0	13.4	0.0	13.4
Moga	400	426	0:04	407	11:20	0.0	0.0	28.1	0.0	28.1
Abdullapur	400	427	21:58	408	5:47	0.0	0.0	36.3	0.0	36.3
Nalagarh	400	436	2:02	412	6:55	0.0	0.0	53.5	25.7	53.5
Kishenpur	400	423	0:05	398	6:50	0.0	0.0	12.8	0.0	12.8
Wagoora	400	408	13:04	370	18:10	15.9	64.8	0.0	0.0	15.9
Amritsar	400	434	1:57	411	11:21	0.0	0.0	48.1	18.2	48.1
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	428	23:21	407	11:20	0.0	0.0	24.0	0.0	24.0
Rishikesh	400	418	0:03	396	6:30	0.0	0.0	0.0	0.0	0.0

## VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	778	0:50	736	10:49	0.0	0.0	0.0	0.0	0.0
Balia	765	792	0:40	766	6:29	0.0	0.0	0.0	0.0	0.0
Moga	765	808	0:03	773	11:41	0.0	0.0	18.2	0.0	18.2
Agra	765	793	19:42	753	6:28	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	1:59	773	11:21	0.0	0.0	28.5	0.0	28.5
Unnao	765	773	0:48	743	10:54	0.0	0.0	0.0	0.0	0.0
Lucknow	765	803	0:50	772	10:54	0.0	0.0	2.2	0.0	2.2
Meerut	765	810	20:02	758	6:38	0.0	0.0	5.5	0.0	5.5
Jhatikara	765	808	1:58	770	11:10	0.0	0.0	21.0	0.0	21.0
Bareilly 765 kV	765	796	0:50	759	10:56	0.0	0.0	0.0	0.0	0.0
Anta	765	803	1:58	769	9:43	0.0	0.0	11.0	0.0	11.0
Phagi	765	805	20:03	710	10:52	0.1	0.1	1.3	0.0	1.4

Note : '0' in Max / Min Col -&gt; Telemetry Outage

## 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 <sup>3</sup> /s)	Usage (m <sup>3</sup> /s)
Bhakra	513.59	445.62	497.10	983.40	508.05	1455.60	188.87	357.78
Pong	426.72	384.05	412.96	600.05	417.28	768.49	61.31	265.50
Tehri	829.79	740.04	820.35	1009.66	815.00	902.26	45.01	140.00
Koteswar	612.50	598.50	610.56	4.90	609.91	4.44	140.00	146.33
Chamera-I	760.00	748.75	759.65	0.00	0.00	0.00	51.56	54.20
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	511.43	2.94	508.02	3.73	57.66	112.38

\* 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	-338	1	0	-338	0	0	-11.36	0.01	-11.35
Delhi	-107	-537	0	-230	-81	0	-6.32	-2.14	-8.46
Haryana	-627	303	0	-315	291	0	-10.19	5.70	-4.50
HP	243	84	0	71	-114	0	5.07	-0.49	4.59
J&K	350	0	0	443	-15	0	9.48	-0.12	9.37
CHD	-30	0	0	-30	0	0	-0.36	0.07	-0.29
Rajasthan	201	511	0	-7	507	0	8.36	16.72	25.09
UP	129	0	0	-95	-100	0	-5.59	5.01	-0.58
Uttarakhand	146	98	0	178	-71	0	3.71	3.07	6.78
Total	-33	461	0	-323	416	0	-7.20	27.84	20.64

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-338	-703	1	0	0	0
Delhi	-107	-421	301	-541	0	0
Haryana	-315	-630	305	-123	0	0
HP	341	71	282	-577	0	0
J&K	443	347	0	-15	0	0
CHD	0	-30	0	0	14	-20
Rajasthan	659	-7	1471	494	0	0
UP	176	-644	485	-100	0	0
Uttarakhand	178	146	354	-225	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	100.00%
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. Zero Crossing Violations**

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	3	21
Haryana	1	19
Rajasthan	0	9
Delhi	4	32
UP	2	20
Uttarakhand	3	30
HP	3	40
J & K	2	17
Chandigarh	3	32

**XIII. System Constraints:****XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 15.11.2016 :**

Normal

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

1. 400kV RAPP-C (NR) –Sujalpur(WR) ckt-2 first time synchronized with grid at 16.47 hrs on dt. 15.11.2016.

**XVIII. Tripping of lines in pooling stations :****XIX. Complete generation loss in a generating station :**

Note: Data(regarding drawal,generation, shortage , inter-regional flows and reservoir levels)of the constituents filled in the report are as per last furnished data by the respective state/constituent to NRLDC.

Report for : 15.11.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER

पावर सिस्टम ऑपरेशन निगम लिमिटेड  
पूर्वी क्षेत्रीय भार प्रेषण केंद्र



DAILY OPERATION REPORT OF EASTERN REGION

Power Supply Position For

15-Nov-16

Date of Reporting:

16-Nov-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
17069	-250	17319	50.07	11403	-150	11553	50.02	318	-0.90

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

State	State's Control Area Generation (Net MU)				Drawal Schd. (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Availability (Net MU)	Consumption (Net MU)	Shortage (Net MU)
	Thermal	Hydro	Others / Renewable	Total						
Bihar	3.16	0.00	0.00	3.16	60.67	62.86	2.20	63.83	66.02	-0.60
DVC	92.68	0.23	0.00	92.90	-33.57	-35.50	-1.93	59.33	57.41	0.00
Jharkhand	4.31	0.00	0.00	4.31	14.86	16.10	1.25	19.17	20.41	-0.30
Odisha	18.29	7.98	19.23	45.49	20.91	22.16	1.25	66.40	67.65	0.00
West Bengal	61.86	4.75	13.68	80.29	23.67	24.94	1.28	103.96	105.24	0.00
Sikkim	0.00	0.00	0.00	0.00	1.44	1.35	-0.09	1.44	1.35	0.00
Region	180.30	12.96	32.91	226.16	87.97	91.92	3.95	314.13	318.08	-0.90

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	3240	-150	1901	-150	3314	18:42	0	72.83	6.81
DVC	2076	0	1681	0	2385	19:50	0	56.00	-1.41
Jharkhand	1136	-100	874	0	1136	18:00	0	25.00	4.59
Odisha	3876	0	2437	0	3876	18:00	0	81.83	14.18
West Bengal	6651	0	4455	0	6942	18:09	0	156.77	51.53
Sikkim	90	0	55	0	92	17:43	0	1.13	-0.21
Region	17069	-250	11403	-150	17207	18:30	0	393.57	75

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		AVG. MW
				MW	Hrs	SCHD (MU)	ACT (MU)	
NTPC								
Farakka STPS - I & II(3*200+2*500)	1600	1510	1053	1553	18:00	27.89	27.78	1158
Farakka STPS - III(500)	500	407	332	454	17:43	8.26	8.24	343
Kahalgaoon STPS - II(4*210)	840	636	560	757	17:33	14.87	14.63	610
Kahalgaoon STPS - II(3*500)	1500	1037	1096	1414	17:56	25.96	25.91	1080
Barh STPS - I & II (2*660)	1320	1062	876	1133	17:55	22.94	22.60	942
Talcher STPS - I(2*500)	1000	600	418	912	22:11	12.28	12.30	512
Talcher STPS - II(4*500)	2000	1385	1386	1440	02:34		33.71	1405
<b>Sub Total Thermal</b>	<b>6760</b>	<b>5251</b>	<b>4334</b>			<b>112.20</b>	<b>111.46</b>	
NHPC								
Teesta(3*170)	510	514	173	525	17:36	5.07	5.21	217
Rangit(3*20)	60	60	60	60	00:00	0.99	1.03	43
<b>Sub Total Hydro</b>	<b>570</b>	<b>574</b>	<b>233</b>			<b>6.06</b>	<b>6.23</b>	
BHUTAN								
Kurichu(4*15)	60	22	22	22	00:00	0.72	1.23	51
Tala(6*170)	1020	304	407	407	13:53	9.36	8.66	361
Chukha(4*84)	336	304	407	407	13:53	3.36	3.59	150
Dagachu(2*63)	126	154	190	192	13:58	1.16		0
<b>Sub Total Hydro</b>	<b>1542</b>	<b>784</b>	<b>1026</b>			<b>14.60</b>	<b>13.49</b>	<b>562</b>
IPP								
MPL(2*525)	1050	894	836	1004	17:22	20.55	21.15	881
APNRL(270*2)	540	367	370	388	17:42	7.35	8.30	346
GMR(3*350)	1050	638	565	675	07:40	14.75	14.40	600
JITPL(2*600)	1200	1023	1028	1062	18:43	18.76	18.92	788
<b>Sub Total IPP Thermal</b>	<b>3840</b>	<b>1261</b>	<b>1206</b>			<b>61.41</b>	<b>62.77</b>	<b>2615</b>
Chuzachen HEP(2*55)	110	107	0	110	17:11	0.70	0.73	30
Jorethang HEP(2*48)	96					0.40	0.93	39
<b>Sub Total IPP Hydro</b>	<b>206</b>	<b>107</b>	<b>0</b>			<b>1.10</b>	<b>1.66</b>	<b>69</b>
Solar								
Talcher NTPC Solar	10						0.03	1
INFIRM							0.03	1
<b>Total Regional Entities</b>	<b>12918</b>	<b>7978</b>	<b>6799</b>			<b>195.37</b>	<b>195.67</b>	

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	83	84	92	21:53	3.16	132
<b>Thermal (Total)</b>	<b>440</b>	<b>83</b>	<b>84</b>	<b>-</b>	<b>-</b>	<b>3.16</b>	
<b>Hydro (Total)</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>00:00</b>	<b>0.00</b>	
<b>Others (Total)</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>00:00</b>	<b>0.00</b>	
<b>Total BIHAR</b>	<b>498</b>	<b>83</b>	<b>84</b>			<b>3.16</b>	
JHARKHAND							
Patratu TPS(4*50+2*100+4*110)	840	60	60	60	00:00	1.77	74
Tenughat TPS(2*110)	420	60	0	160	00:00	2.54	106
<b>Thermal (Total)</b>	<b>1260</b>	<b>120</b>	<b>60</b>			<b>4.31</b>	<b>180</b>
Subernrekha (2*65)	130	0	0	0	00:00	0.00	0
<b>Hydro (Total)</b>	<b>130</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>00:00</b>	<b>0.00</b>	<b>0</b>
CPP IMPORT		0	0	0	00:00	1.93	80
<b>Total JHARKHAND</b>	<b>1390</b>	<b>120</b>	<b>60</b>			<b>6.24</b>	

	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	642	574	727	08:47	15.14	631
Bokaro'B TPS(3*210)		630	142	145	188	08:41	3.67	153	
Waria TPS(140+210)		350	0	0	0	00:00	0.00	0	
Mejia TPS(4*210+2*250)		1340	574	543	662	19:58	14.58	608	
Mejia'B TPS(2*500)		1000	842	746	974	17:26	19.55	815	
Durgapur STPS (2*500)		1000	859	742	984	08:38	19.34	806	
Koderma TPS(500)		500	451	387	494	17:37	9.88	412	
Raghunathpur TPS		600	140	140	140	00:00	10.51	438	
<b>Thermal (Total)</b>		<b>6340</b>	<b>3650</b>	<b>3275</b>				<b>92.68</b>	
Maithon(2*20+23.2)		63	1	1	11	19:10	0.09	4	
Panchet(2*40)		80	0	0	21	21:17	0.04	2	
Tilaiya(2*2)		4	0	0	0	00:00	0.10	4	
<b>Hydro (Total)</b>		<b>147</b>	<b>0</b>	<b>0</b>				<b>0.23</b>	
<b>Others (Total)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>00:00</b>	<b>0.00</b>	<b>0</b>	
<b>Total DVC</b>	<b>6487</b>	<b>3651</b>	<b>3276</b>				<b>92.90</b>		
ODISHA	Talcher TPS(4*62.5+2*110)	470	435	432	447	16:10	10.51	438	
	IB Valley TPS(2*110)	420	343	348	367	23:42	7.78	324	
	<b>Thermal (Total)</b>	<b>890</b>	<b>778</b>	<b>780</b>				<b>18.29</b>	
	Burla(2*49.5+3*37.5+2*32)	276	89	0	101	09:36	0.88	37	
	Chipilima(3*24)	72	16	16	20	00:33	0.39	16	
	Balimela(2*75+6*60)	510	132	0	241	18:17	0.84	35	
	Rengali(5*50)	250	1	1	1	03:04	0.01	0	
	Upper Kolab(4*80)	320	156	0	231	17:53	0.77	32	
	Indravati(4*150)	600	440	103	452	09:25	4.11	171	
	Machkund Share	57	40	40	40	00:00	0.96	40	
	<b>Hydro (Total)</b>	<b>2085</b>	<b>872</b>	<b>159</b>				<b>7.98</b>	
	<b>Total CPPGR Import</b>	<b>5173</b>	<b>741</b>	<b>819</b>	1099	07:43	19.23	801	
	<b>Others</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>00:00</b>	<b>0.00</b>	<b>0</b>	
	<b>Total Odisha</b>	<b>2975</b>	<b>1650</b>	<b>939</b>				<b>45.49</b>	
WEST BENGAL	Santalalih TPS(2*250)	500	503	351	509	17:50	10.53	439	
	Bandel TPS(4*82.5+210)	540	101	73	241	02:35	2.98	124	
	Kolaghat TPS(6*210)	1260	443	443	462	17:27	10.69	446	
	Bakreswar TPS(5*210)	1050	752	668	778	17:01	16.66	694	
	DPL TPS(3*75+110+300)	635	220	223	227	00:54	5.24	218	
	SAGARDIGHI TPS(2*300)	600	384	348	397	08:02	8.83	368	
	<b>Thermal (Total)</b>	<b>4585</b>	<b>2403</b>	<b>2106</b>				<b>49.69</b>	
	Purulia PSP(G)(4*225)	900	543	19	792	17:17	2.81	117	
	Purulia PSP(P)		0	0	0	09:02	-3.82	-159	
	Jaldhaka(3*9+2*4)	35	25	25	25	00:00	0.60	25	
	Ramam(4*12.5)	50	28	28	29	00:45	0.68	28	
	Tista(9*7.5)	68	28	28	28	00:00	0.66	28	
	<b>Hydro (Total)</b>	<b>1053</b>	<b>624</b>	<b>100</b>				<b>4.75</b>	<b>198</b>
	<b>Total CPPWB Import</b>	<b>631</b>	<b>664</b>	<b>643</b>	685	16:48	13.68	570	
<b>Others</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>00:00</b>	<b>0.00</b>	<b>0</b>		
<b>Total WEST BENGAL</b>	<b>5649</b>	<b>3027</b>	<b>2206</b>				<b>68.12</b>	<b>2838</b>	
CESC	Budge-Budge TPS(3*250)	750	503	506	522	17:39	11.79	491	
	Titagarh TPS(4*60)	240	0	0	0	00:00	0.00	0	
	Southern TPS(2*67.5)	135	50	0	54	17:07	0.38	16	
	New Cossipore TPS(2*30+2*50)	160	0	0	0	00:00	0.00	0	
	<b>Thermal (Total)</b>	<b>1285</b>	<b>554</b>	<b>506</b>				<b>12.17</b>	<b>507</b>
	<b>Others</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>00:00</b>	<b>0.00</b>	<b>0</b>	
<b>Total CESC</b>	<b>1285</b>	<b>554</b>	<b>506</b>				<b>12.17</b>	<b>507</b>	
<b>Total ISGS &amp; IPP Thermal</b>	<b>10600</b>	<b>6512</b>	<b>5540</b>				<b>174.23</b>	<b>7260</b>	
<b>Total State Thermal</b>	<b>14800</b>	<b>7587</b>	<b>6812</b>				<b>180.30</b>	<b>7512</b>	
<b>Total CPP Import</b>	<b>5804</b>	<b>1405</b>	<b>1461</b>				<b>32.91</b>	<b>1371</b>	
<b>Total ISGS &amp; IPP Hydro</b>	<b>2318</b>	<b>1466</b>	<b>1259</b>				<b>21</b>	<b>891</b>	
<b>Total State Hydro</b>	<b>3459</b>	<b>1497</b>	<b>259</b>				<b>12.96</b>	<b>540</b>	
<b>Total Others</b>	<b>25</b>	<b>0</b>	<b>0</b>				<b>0.00</b>	<b>0</b>	
Net Inter Regional Exchange [Import(+ve)/Export(-ve)]			3980	6296			-88.50	5005	
<b>Regional Total (Gross)</b>	<b>36981</b>	<b>22447</b>	<b>21627</b>	<b>0</b>	<b>0</b>		<b>333.26</b>	<b>22579</b>	

\* 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)@			
<b>Import/Export NR from ER</b>								
1	765 KV GAYA-VARANASI D/C	158	302	0	351	0.00	-10.96	-10.96
2	765 KV SASARAM-FATEHPUR	-244	5	-273	24	2.38	0.00	2.38
3	765 KV GAYA-BALIA	191	252	0	322	0.00	-5.61	-5.61
4	HVDC LINK PUSAULI B/B	143	146	0	148	0.00	0.00	0.00
5	400 KV PUSAULI-SARNATH	-9	-6	-11	162	0.00	-0.52	-0.52
6	400 KV PUSAULI-ALLAHABAD	145	148	-25	151	0.00	-2.77	-2.77
7	400 KV MUZAFFARPUR-GORAKHPUR	-101	213	-216	263	0.00	-1.99	-1.99
8	400 KV PATNA-BALIA	508	612	0	710	0.00	-15.01	-15.01
9	400 KV BIHARSHARIF-BALIA	-112	71	-128	114	0.00	-0.98	-0.98
10	400 KV BARH - GORAKHPUR - D/C	485	463	0	554	0.00	-11.15	-11.15
11	400 KV BIHARSHARIF - VARANASI D/C			0	0	0.66	0.00	0.66
12	220 KV PUSAULI-SAHUPURI	188	164	0	224	0.00	-3.97	-3.97
13	132 KV SONE NAGAR-RIHAND	0	0	0	0	0.00	0.00	0.00
14	132 KV GARWAH-RIHAND	-35	-35	-35	0	0.83	0.00	0.83
15	132 KV KARMANASA-SAHUPURI	0	0	0	0	0.44	0.00	0.44
16	132 KV KARMANASA-CHANDAULI					0.00	0.00	0.00
<b>Sub Total NR</b>		<b>1195</b>	<b>2506</b>	<b>0</b>	<b>2905</b>	<b>4</b>	<b>-53</b>	<b>-48.63</b>
<b>Import/Export WR from ER</b>								
1	765 KV JHARSUGUDA-DHARMAJAYAGARH D/C	141	421	-85	639	0.00	-7.01	-7.01
2	765 KV RANCHI-DHARMAJAYAGARH S/C	-319	22	-351	158	2.65	0.00	2.65
3	400 KV ROURKELA - RAIGARH ( SEL LILO BYPASS)	-129	-47	-170	0	1.68	0.00	1.68
4	400 KV JHARSUGUDA-RAIGARH	-105	-69	-174	0	2.27	0.00	2.27
5	400 KV IND BHARAT-RAIGARH	-49	-49	-49	0	1.60	0.00	1.60
6	400 KV STERLITE-RAIGARH -II	-24	53	-100	130	0.00	-0.72	-0.72
7	400 KV RANCHI-SIPAT D/C	-193	-69	-251	0	2.67	0.00	2.67
8	220 KV BUDHIPADAR-RAIGARH S/C	-27	-8	-73	76	0.17	0.00	0.17
9	220 KV BUDHIPADAR-KORBA D/C	-125	-129	-211	0	3.22	0.00	3.22
<b>Sub Total WR</b>		<b>-829</b>	<b>125</b>	<b>-1391</b>	<b>761</b>	<b>14</b>	<b>-8</b>	<b>6.53</b>
<b>Import/Export SR from ER</b>								
1	GAZUWAKA B/B	331	330	0	334	0.00	-15.54	-15.54
2	TALCHER-KOLAR BIPOLE	1956	2249	0	2265	0.00	-43.23	-43.23
3	TALCHER STG - II I/C	489	564	0	568	0.00	-9.52	-10
4	220 KV BALIMELA-UPPER-SILERRU S/C	-1	-1	-1	0	0.00	0.00	0.00
<b>Sub Total SR</b>		<b>1222</b>	<b>1510</b>	<b>0</b>	<b>1551</b>	<b>0.00</b>	<b>-25.06</b>	<b>-25.06</b>
<b>Import/Export NER from ER</b>								
1	400 KV BINAGURI-BONGAIGAON Q/C	858	615	-9	1536	0.00	-17.17	-17.17
2	220 KV BIRPARA-SALAKATI D/C					0.00	-2.94	-2.94
3	132 KV GEYLEGPHU - SALAKATI					0.00	-0.57	-0.57
4	132 KV DEOTHANG - RANGIA					0.00	-0.66	-0.66
<b>Sub Total NER</b>		<b>996</b>	<b>754</b>	<b>0</b>	<b>1410</b>	<b>0</b>	<b>-21</b>	<b>-21.35</b>
<b>TOTAL IR EXCHANGE</b>		<b>3980</b>	<b>6296</b>	<b>0</b>	<b>6845</b>	<b>19</b>	<b>-107</b>	<b>-88.50</b>

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	-51.25	-1.75	-9.57	-60.37	-48.63	11.74
ER-WR	-8.51	5.61	22.78	0.66	6.53	5.87
ER-SR	2.07	-3.65	-27.47	-28.48	-25.06	3.42
ER-NER	-3.24	-1.46	1.69	-3.15	-21.35	-18.20
<b>TOTAL</b>	<b>-60.93</b>	<b>-1.25</b>	<b>-12.58</b>	<b>-91.34</b>	<b>-88.50</b>	<b>2.83</b>

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

	Scheduled Energy Exchange(In MU)	Actual Energy Exchange (In MU)	Day Peak (MW)	Day Min (MW)	Day Average (MW)	Nepal Exchange	Energy Exchange (In MU)	Day Peak (MW)	Day Min (MW)	Day Average (MW)
Bhutan	14.60	13.49	621		562	Bihar	-1.45	-139	0	-60
Nepal	1.78	-3.23	-219	0	-135	132 kv Mzf - Dhalkebar	-1.79	-80	0	-74
Bangladesh	10.43	-10.25	-508	-322	-427					

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	0.02	4.54	72.84	17.05	22.62	0.01

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

Maximum		Minimum		Average	Freq Variation	Standard	Freq. in 15 mnt blk		Freq. Dev Index (% of Time)
Freq	Time	Freq	Time	Frequency	Index	deviation	Max.	Min.	
50.20	21:54	49.79	17:12	50.01	0.04	0.06	50.16	49.92	27.16

7. Voltage Profile

Station	Maximum		Minimum		Voltage (in %)			Voltage Dev. Index (%of Time)
	Voltage (KV)	Time	Voltage (KV)	Time	<380/728 kv	380<-420kv 728<-800kv	>420/800 kv	
Ranchi New	789	01:58	770	17:37	0.00	100.00	0.00	0.00
Jamshedpur	430	02:32	419	17:49	0.00	1.04	98.96	98.96
Muzaffarpur	417	21:54	389	17:49	0.00	100.00	0.00	0.00
Bihar Sariff	419	21:52	399	17:48	0.00	100.00	0.00	0.00
Binaguri	424	21:53	398	17:14	0.00	89.86	10.14	10.14
Jeerat	428	02:59	393	17:38	0.00	60.28	39.72	39.72
Rourkela	416	02:31	407	17:40	0.00	100.00	0.00	0.00
Jeypore	419	06:11	382	05:26	0.00	100.00	0.00	0.00
Koderma	423	21:50	408	17:40	0.00	84.38	15.63	15.63
Maithon	417	02:31	408	17:40	0.00	100.00	0.00	0.00
Teesta	416	22:53	395	18:11	0.00	100.00	0.00	0.00
Rangpo	415	22:53	394	18:14	0.00	100.00	0.00	0.00

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(EPMPL)-SR(J-G)(TNEB)(ER)-HEXL-22538/F	0.03215	6.43	6.43	<b>BSEB TOTAL EXPORT</b>	<b>0.0</b>		
WR(DB POWER LTD)-SR(J-G)(TNEB)(ER)-EXL-22539/F	0.0393	7.86	7.86	GMR(GMR KEL)-BSEB(BSPHCL)-GMRKEL-12769/D	6.144	256	256
WR(DB POWER LTD)-SR(J-G)(TANGEDCO)(ER)-PXIL-22540/F	0.0357	7.14	7.14	JITPL(Jindal India TPL)-BSEB(BSPHCL)-TPTCL-12309 A	1.8	150	0
WR(APL MUNDRA ST 3)-SR(J-G)(TGPC)(ER)-AEL-22579/C	0.396	88	22	WR(DB Power Ltd.)-BSEB(BSPHCL)-PTC India Ltd.-12667 A	1.2	100	0
WR(PGFL EBID)-SR(J-G)(TSSPDCL)(ER)-PGFL EBID-22578/C	2.7125	225	20	WR(DB Power Ltd.)-BSEB(BSPHCL)-PTC India Ltd.-12668 A	1.2	100	0
WR(DB POWER LTD)-SR(J-G)(TANGEDCO)(ER)-PXIL-22585/C	0.275	150	100	<b>BSEB TOTAL IMPORT</b>	<b>10.3</b>		
NR(North Delhi Power Ltd.)-NER(Assam Power DCL)(ER)-APPCL-2398/A	0.5	100	0	<b>JSEB TOTAL EXPORT</b>	<b>0.0</b>		
NR(North Delhi Power Ltd.)-NER(Meghalaya PDCL)(ER)-MPPL-2403/F	0.96	40	40	APN(APNRL # 1 & 2)-JSEB(JUVNL)-JSEB-12669 F	2.66124	121.77	100
NR(BYPL)-NER(Meghalaya PDCL)(ER)-APPCL-2404/F	0.45	25	25	<b>JSEB TOTAL IMPORT</b>	<b>2.7</b>		
NER(Assam State Electricity Board)-WR(MP Power Management Co Ltd)(ER)-Mittal Processor Pvt Lt	0.45	50	50	DVC(TI & SCL)-WR(TSL BOISER)-TSL-32420/F	0.216	9.000	9.000
				<b>DVC TOTAL EXPORT</b>	<b>0.2</b>		
				<b>DVC TOTAL IMPORT</b>	<b>0.0</b>		
				GRIDCO(ASL)-NR(Arti International Ltd)-AIL-37406/F	0.264	11	11
				GRIDCO(ASL CGP)-NR(ASL Punjab)-ASL-Punjab-37407/F	0.12	5	5
				<b>GRIDCO TOTAL EXPORT</b>	<b>0.4</b>		
				JITPL-GRIDCO-JITPL-12768/C	1.2	50	50
				WR(NTPC SAIL PCL)-GRIDCO(SAIL RSP)-SAIL RSP-12664 A	0.324	13.5	13.5
				DVC(TISCL)-GRIDCO(TS FAP)-TS FAP-12696/F	0.48	20	20
				DVC(TISCL)-GRIDCO(TS FAP JODA)-TSFAP-12711/F	0.108	4.5	4.5
				<b>GRIDCO TOTAL IMPORT</b>	<b>2.1</b>		
				WBSEB(CESC)-NR(HPSEB)-MPPL-37446/D	0.250	50.000	50.000
				<b>WESTBENGAL TOTAL EXPORT</b>	<b>0.3</b>		
				DAGACHHU-WBSEB(WBSEDCL)-TPTCL-12770/D	0.02856	7.14	7.14
				<b>WESTBENGAL TOTAL IMPORT</b>	<b>0.0</b>		
				<b>SIKKIM TOTAL EXPORT</b>	<b>0.0</b>		
				<b>SIKKIM TOTAL IMPORT</b>	<b>0.0</b>		
				<b>STERLITE TOTAL EXPORT</b>	<b>0.0</b>		
				<b>STERLITE TOTAL IMPORT</b>	<b>0.0</b>		

9. System Reliability Indices (Violation of TTC and ATC)

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

ER-NR & NER (Kahalgaoon-Banka) (500mW)	0.00%
W3-ER (MPL-Maithon) (550mW)	0.00%

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

	EXPORT	IMPORT
NR	0.00%	0.00%
SR	0.00%	0.00%
NER	2.33%	0.00%
WR	0.00%	0.00%

(iii) % age of times Angular Difference on important Buses was beyond permissible limits (30 degree)

Rourkela-Jamshedpur	0.00%
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10. Significant events (If any):

11. System Constraints (If any)

12. Weather Condition:

Shift In Charge



पावर 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 15-Nov-16  
16-Nov-16

I. Regional Availability/Demand:

Evening Peak (20:00 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
2255	88	2343	50.17	1307	44	1351	50.16	39.40	0.46

\* 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	1.93	1.85	-0.08	1.85	0.03
ASSAM	2.25	1.03	0.00	0.00	3.28	18.65	20.31	1.66	23.59	0.31
MANIPUR	0.00	0.00	0.00	0.00	0.00	2.03	2.00	-0.03	2.00	0.04
MEGHALAYA	0.00	0.93	0.00	0.00	0.93	3.55	3.26	-0.29	4.20	0.00
MIZORAM	0.00	0.05	0.00	0.00	0.05	1.06	1.23	0.17	1.28	0.03
NAGALAND	0.00	0.06	0.00	0.00	0.06	1.82	1.79	-0.03	1.85	0.03
TRIPURA	1.80	0.16	0.0262	0.00	1.99	2.40	3.94	1.54	4.64	0.01
<b>Total</b>	<b>4.05</b>	<b>2.22</b>	<b>0.03</b>	<b>0.00</b>	<b>6.30</b>	<b>31.45</b>	<b>34.38</b>	<b>2.93</b>	<b>39.40</b>	<b>0.46</b>

\* Shortage furnished by the respective constituent. # Tripura Demand excludes Brangladesh Dr: 1.29 MU

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

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

State	Evening Peak (20:00 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	114	7	-18	0	108	0	48	12	120	19:02
ASSAM	1391	35	195	298	821	40	51	66	1413	18:50
MANIPUR	127	7	1	-39	56	0	3	-61	131	17:21
MEGHALAYA	241	27	63	71	161	0	-6	52	252	18:29
MIZORAM	79	6	4	-25	33	0	3	-24	84	17:05
NAGALAND	97	6	9	0	31	0	-19	-10	97	17:23
TRIPURA	205	0	49	-10	98	4	-4	-122	205	17:01
<b>Total</b>	<b>2255</b>	<b>88</b>	<b>303</b>	<b>296</b>	<b>1307</b>	<b>44</b>	<b>76</b>	<b>-85</b>	<b>2321</b>	<b>17:33</b>

\* 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 20:00 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
<b>A. NEEPCO</b>								
KHANDONG (2x25)	50	0	41	42	1.14	47	1.07	0.07
KOPILI STAGE-II (Khandong) (1x25)	25	0	20	0	0.10	4	0.10	0.00
KOPILI (4x50)	200	0	142	96	2.73	114	2.62	0.10
AGBPP (Kathalguri)- (GT+ST) (6x33.5 + 3x30)	291	146	138	125	3.53	147	3.13	0.41
AGTCCPP (RC NAGAR) (4x21+2x23)	130	106	104	102	2.49	104	2.38	0.11
DOYANG (3x25)	75	0	71	15	0.49	20	0.54	-0.05
RANGANADI (3x135)	405	0	401	0	1.94	81	1.90	0.04
<b>Sub Total (A)</b>	<b>1176</b>	<b>252</b>	<b>917</b>	<b>380</b>	<b>12.42</b>	<b>517</b>	<b>11.74</b>	<b>0.68</b>
<b>B. NHPC</b>								
LOKTAK (3x35)	105	0	105	105	2.52	105	2.45	0.07
<b>Sub Total (B)</b>	<b>105</b>	<b>0</b>	<b>105</b>	<b>105</b>	<b>2.52</b>	<b>105</b>	<b>2.45</b>	<b>0.07</b>
<b>C. OTPCL</b>								
PALATANA CCPP (2X363.3)	726.6	524	517	544	12.65	527	12.49	0.16
<b>Sub Total ©</b>	<b>726.6</b>	<b>524</b>	<b>517</b>	<b>544</b>	<b>12.65</b>	<b>527</b>	<b>12.49</b>	<b>0.16</b>
<b>D.NTPC</b>								
BqTPP	250	142	184	0	2.52	105	2.62	-0.10
<b>Sub Total ©</b>	<b>250</b>	<b>142</b>	<b>184</b>	<b>0</b>	<b>2.52</b>	<b>105</b>	<b>2.62</b>	<b>-0.10</b>
<b>D. Total Regional Entities (A-C)</b>	<b>2258</b>	<b>918</b>	<b>1723</b>	<b>1029</b>	<b>30.11</b>	<b>1255</b>	<b>29.31</b>	<b>0.81</b>

E. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)
ARUNACHAL PRADESH	Thermal (Total)	0	0	0.00	0.00	0
	Total Hydro	0	0	0.00	0.00	0
	Total Micro Hydel	63	0	0.00	0.00	0
	Total Diesel	16	0	0.00	0.00	0
	Total Solar	0.265	0	0.00	0.00	0
	Total Wind	0	0	0.00	0.00	0
	<b>Total Arunachal Pradesh</b>	<b>79</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>
ASSAM	LTPS(Thermal) (4x15+3x20+1x37.2)	157.2	45	110.00	1.74	72
	NTPS(Thermal) (20+21+21+11+24+ 22)	119	20	30.00	0.51	21
	Adamtilla(Thermal) (3*3) + CTPS(2*30)	69	0	0.00	0.00	0
	Baskandi(Thermal) (3*3.5+1*5)	15.5	0	0.00	0.00	0
	KLHEP(Hydro) (2*50)	100	99	0.00	0.93	39
	Mini Hydel	4	2	1.30	0.10	4
	Thermal (Total)	361	65	140.00	2.25	94
	Total Hydro	104	100	1.30	1.03	43
	Total Solar	0	0	0.00	0.00	0
	Total Wind	0	0	0.00	0.00	0
	<b>Total Assam</b>	<b>465</b>	<b>166</b>	<b>141.30</b>	<b>3.28</b>	<b>137</b>
	MANIPUR	Thermal (Total)	0	0	0.00	0.00
Total Hydro		0	0	0.00	0.00	0
Total Micro Hydel		0.6	0	0.46	0.00	0
Total Diesel		42.27	0	0.00	0.00	0
Total Solar		0	0	0.00	0.00	0
Total Wind		0	0	0.00	0.00	0
<b>Total Manipur</b>		<b>43</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>
MEGHALAYA	UMIUM ST-I (4*9)	36	0	0.00	0.02	1
	UMIUM ST-II (2*10)	20	0	0.00	0.01	1
	UMIUM ST-III (2*30)	60	24	0.00	0.25	10
	UMIUM ST-IV (2*30)	60	24	0.00	0.22	9
	UMTRU (4*2.8)	11.2	0	0.00	0.00	0
	SONAPANI (1*1.5)	1.5	1	0.90	0.02	1
	MLHEP (3*42)	126	35	42.00	0.41	17
	Total Hydro	315	84	42.90	0.94	39
	Thermal (Total)	107	0	0.00	0.00	0
	Total Solar	0	0	0.00	0.00	0
	Total Wind	0	0	0.00	0.00	0
	<b>Total Meghalaya</b>	<b>422</b>	<b>84</b>	<b>42.90</b>	<b>0.94</b>	<b>39</b>
MIZORAM	BAIRABI (4X5.73)	22.92	0	0.00	0.00	0
	Total Hydro (Serlui B+Mini Hydro)	30.00	0	0.00	0.05	2
	Total Diesel	0.5	0	0.00	0.00	0
	Total Solar	0.10	0	0.00	0.00	0
	Total Wind	0	0	0.00	0.00	0
<b>Total Mizoram</b>	<b>54</b>	<b>0</b>	<b>0.00</b>	<b>0.05</b>	<b>2</b>	
NAGALAND	LIKHMRO (3*8)	24	24	21.20	0.06	2
	Total Hydro	24	24	21.20	0.06	2
	Total Solar	0	0	0.00	0.00	0
	Total Wind	0	0	0.00	0.00	0
	<b>Total Nagaland</b>	<b>24</b>	<b>24</b>	<b>21.00</b>	<b>0.06</b>	<b>2</b>
TRIPURA	ROKHIA(Thermal) (6x8+3x21)	111	55	54.50	1.29	54
	BARAMURA(Thermal) (1x6.5+2x5+2*21)	58.5	21	21.00	0.51	21
	Monarchak(Thermal)	67.0	0	0.00	0.00	0
	Gumati(Hydro) (3*5)	15	7	7.00	0.16	7
	Thermal (Total)	237	76	75.50	1.80	75
	Total Hydro	15	7	7.00	0.16	7
	Total Diesel	1	0	0.00	0.00	0
	Total Solar(Monarchak 5)	5	0	0.00	0.03	1
	Total Wind	0	0	0.00	0.00	0
<b>Total Tripura</b>	<b>258</b>	<b>83</b>	<b>82.50</b>	<b>1.99</b>	<b>83</b>	
<b>Total State Control Area Generation</b>	<b>1344</b>	<b>356</b>	<b>287.70</b>	<b>6.31</b>	<b>263</b>	
<b>Total State control area generation (excluding hydro)</b>	<b>662.07</b>	<b>140.70</b>	<b>215.50</b>	<b>4.08</b>	<b>170</b>	
<b>Total regional entirities generation ( excluding hydro)</b>	<b>1148</b>	<b>759</b>	<b>771</b>	<b>21.20</b>	<b>778</b>	
<b>Total Regional generation ( excluding Hydro)</b>	<b>1810</b>	<b>900</b>	<b>987</b>	<b>25.28</b>	<b>948</b>	
<b>IV. Total Hydro Generation:</b>						
<b>Regional Entities Hydro</b>	<b>860</b>	<b>780</b>	<b>258</b>	<b>8.92</b>	<b>372</b>	
<b>State Control Area Hydro</b>	<b>551</b>	<b>216</b>	<b>72</b>	<b>2.23</b>	<b>93</b>	
<b>Total Regional Hydro</b>	<b>1411</b>	<b>996</b>	<b>330</b>	<b>11.15</b>	<b>464</b>	
<b>Infirm Generation in the Region</b>				<b>0.00</b>		
<b>Total Generation availability in the Region</b>	<b>3228</b>	<b>1895</b>	<b>1317</b>	<b>36.4</b>	<b>1412.5</b>	

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy
			Import	Export	Import	Export	
400 kV Binaguri-Bongaigaon I	-162	-144	-319	0	-4.93	0.00	-4.93
400 kV Binaguri-Bongaigaon II	-162	-144	-319	0	-4.94	0.00	-4.94
400 kV Binaguri-Bongaigaon III	-240	0	-304	0	-1.17	0.00	-1.17
400 kV Binaguri-Bongaigaon IV	-240	-214	-470	0	-6.26	0.00	-6.26
220 kV Birpara-Salakati I	-56	-60	-87	0	-1.43	0.00	-1.43
220 kV Birpara-Salakati II	-55	-60	-87	0	-1.43	0.00	-1.43
132 kV Ranjia-Deothang / Salakati-Gelephu (India- +/- 800 KV Biswanath charali - Agra	-16	-24	-26	0	-1.22	0.00	-1.22
	700	700	0	700	0.00	16.43	16.43
<b>Total IR Exch</b>	-231	54	-1612	700	-21.39	16.43	-4.95

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

ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Total	Through ER	Through ER	Through ER	Through ER	Through ER	Through ER
	0.00		0.00		0.00		
<b>Total IR Schedule (MU)</b>		<b>Total IR Actual (MU)</b>		<b>Net IR UI (MU)</b>			
Through ER	Total	Through ER	Total	Through ER	Total		
	-3.13						

**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	0.02	4.54	35.25	72.84	17.05	5.63	0.01	0.00
Frequency (Hz)					Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum		Hz	Std. Dev.	MAX (Hz)	MIN (Hz)		
Freq	Time	Freq	Time						
50.20	21:54:00	49.79	17:12:50	50.01	0.037	0.061	50.161	49.915	

**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	416	22:55	385	17:26	0.0	3.6	0.0	0.0
Balipara	400	425	23:52	390	17:14	0.0	0.0	20.2	0.0
Misa	400	427	00:52	393	17:26	0.0	0.0	35.8	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	230	22:55	214	17:39	0.0	0.0	0.0	0.0
Dimapur	220	224	02:00	205	17:26	0.0	3.4	0.0	0.0
Mariani	220	237	22:55	223	17:26	0.0	0.0	33.2	0.0
Misa	220	226	01:57	211	17:12	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	138	22:00	128	17:38	0.0	0.0	75.8	0.0
Haflong	132	138	03:04	129	17:29	0.0	0.0	63.9	0.0
Kahilpara	132	132	00:48	132	00:48	0.0	0.0	0.0	0.0
Aizawl	132	135	03:52	120	16:58	0.0	0.0	0.0	0.0
Kumarghat	132	136	02:55	128	17:27	0.0	0.0	23.2	0.0
Imphal	132	133	00:48	127	17:27	0.0	0.0	0.0	0.0
Khliehriat	132	138	03:02	130	17:26	0.0	0.0	51.3	0.0
Badarpur	132	138	22:00	129	17:26	0.0	0.0	56.9	0.0
Nirjuli	132	132	00:48	132	00:48	0.0	0.0	0.0	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	718.15	21.93	715.75	17.08	N/A	N/A
Kopili	609.60	592.83	606.71	60.10	603.90	57.60		
Loktak	769.00	766.20	786.86	250.00	769.21	250.00		
Umium	978.88	957.60	965.67	N/A	977.63	N/A		
Gumti	93.55	83.60	90.55	15.42	90.60	N/A		
Doyang	333.00	306.00	322.10	25.80	317.50	16.00		
Ranganadi	567.00	560.00	563.15	N/A	564.45	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 :

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER

## DAILY OPERATION REPORT

POWER SUPPLY POSITION IN SOUTHERN REGION FOR 15-NOV-2016

DATE OF REPORTING : 16-NOV-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 #
38013	--	50.03	31935	200	50.04	865.85	3.75

\* 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	SOLAR	OTHERS	NET SCH (FROM GRID)	DRAWAL (FROM GRID)	AVAILABILITY	DEMAND MET	SHORTAGE #
AP	97.79	6.29	9.85	5.35	3.64	4.83	31.47	33.34	159.22	161.09	0.00
TELANGANA	59.40	0.14	0.00	0.44	2.40	5.90	68.89	71.40	137.17	139.68	0.00
KAR	89.96	15.46	0.00	6.15	0.92	10.74	69.48	74.99	192.71	198.22	3.75
KERALA	0.00	9.85	0.00	0.06	0.05	0.11	52.29	55.31	62.36	65.38	0.00
TN	103.36	9.30	7.69	3.85	5.48	20.13	139.97	144.75	289.78	294.56	0.00
PONDY	0.00	0.00	0.00	0.00	0.00	0.00	7.03	6.92	7.03	6.92	0.00
<b>TOTAL</b>	<b>350.51</b>	<b>41.04</b>	<b>17.54</b>	<b>15.85</b>	<b>12.49</b>	<b>41.71</b>	<b>369.13</b>	<b>386.71</b>	<b>848.27</b>	<b>865.85</b>	<b>3.75</b>

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

## 2 B. STATE DEMAND (MW) &amp; 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	6418	0	6005	0	7123	13:00:00		160.00	1.09
TELANGANA	6189	0	4924	0	6714	07:38:00	5	138.00	1.68
KAR	8397	0	7736	200	8810	11:00		205.00	-3.03
KER	3509		2179	0	3622	19:00	4	65.14	0.24
TN	12815	0	10505	0	13234	19:30	5	291.55	3.01
PONDY	335	0	236	0	335	18:15	1	7.14	-0.22
SR ISTS LOSS	350	--	350	--	--	--	--	--	--
SR	38013		31935	200	39186	18:48		866.83	2.77

## 3. GENERATION :

STATION	INSTALLED CAPACITY(MW)	19:00HRS PEAK MW	03:00HRS OFF-PEAK MW	DAY PEAK		DAY ENERGY (MU)	AVG MW
				MW	HRS		
<b>ANDHRA PRADESH</b>							
Vijayawada TPS (6x210+1x500)	1760	1425	1017	1538	10:53	32.17	1340
Rayalaseema TPS (5x210)	1050	772	699	978	10:23	19.35	806
Simhadri (IPP) (2x500)	1000	456	310	709	00:00	10.50	437
Krishnapatnam TPP (2*800)	1600	1138	1242	1254	09:40	26.97	1124
Hinduja (1*525)	525	382	374	490	06:53	8.80	367
<b>Total Thermal</b>	<b>5935</b>	<b>4173</b>	<b>3642</b>	<b>--</b>	<b>--</b>	<b>97.79</b>	<b>4074</b>
Srisailem RB (7x110)	770	--	--	--	--	--	--
Lower Sileru (4x115)	460	279	--	299	07:44	2.07	86
Upper Sileru (4x60)	240	119	--	208	18:24	1.42	59
Other Hydro	278	44	42	--	--	2.80	117
<b>Total Hydro</b>	<b>1748</b>	<b>442</b>	<b>42</b>	<b>--</b>	<b>--</b>	<b>6.29</b>	<b>262</b>
Vijjeswaram Gas (2x33+1x34+1x112.5+1x59.5)	272	91	86	91	19:00	2.14	89
Reliance Energy Ltd.(1x140+1x80)	220	--	--	--	--	--	--
Jegrupadu (2x45.8+1x48.9+1x75.5)	216	61	60	62	05:05	1.45	60
Spectrum (1x46.8+2x46.1+1x68.88)	208	116	105	116	18:09	2.57	107
LANCO (2*115+1*125)	351	152	153	164	00:00	3.69	154
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	--	--	--	--	--	--
<b>Total Gas/Naptha/Diesel</b>	<b>3035</b>	<b>420</b>	<b>404</b>	<b>--</b>	<b>--</b>	<b>9.85</b>	<b>410</b>
<b>Wind</b>	<b>1411</b>	<b>310</b>	<b>320</b>	<b>320</b>	<b>03:00</b>	<b>5.35</b>	<b>223</b>
<b>Solar</b>	<b>695</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>3.64</b>	<b>151</b>
<b>Others</b>	<b>424</b>	<b>117</b>	<b>107</b>	<b>117</b>	<b>19:00</b>	<b>4.83</b>	<b>201</b>
<b>Total AP</b>	<b>13248</b>	<b>5462</b>	<b>4515</b>	<b>--</b>	<b>--</b>	<b>127.75</b>	<b>5321</b>

STATION	INSTALLED CAPACITY(MW)	19:00HRS PEAK MW	03:00HRS OFF-PEAK MW	DAY PEAK		DAY ENERGY (MU)	AVG MW
				MW	HRS		
<b>TELANGANA</b>							
Kothagundam TPS (4x60+4x120+2x250+1x500)	1720	985	860	1039	21:21	26.15	1090
Kaktiya TPS (1x500+1x600)	1100	1084	778	1112	18:39	20.42	851
Ramagundan B (1x62.5)	63	--	--	--	--	--	--
Singareni (2x600)	1200	764	757	780	20:53	12.83	534
<b>Total Thermal</b>	<b>4083</b>	<b>2833</b>	<b>2395</b>	<b>--</b>	<b>--</b>	<b>59.40</b>	<b>2475</b>
N'Sagar (1x110+7x100.8)	816	--	--	--	--	--	--
Srisailem LB (Gen) (6x150)	900	--	--	151	10:40	0.14	6
Srisailem LB (Pump)	900	--	--	--	--	--	--
Other Hydro	368	--	--	--	--	--	--
<b>Total Hydro</b>	<b>2084</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0.14</b>	<b>6</b>
<b>Wind</b>	<b>78</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0.44</b>	<b>19</b>
<b>Solar</b>	<b>617</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>2.40</b>	<b>100</b>
<b>Others</b>	<b>234</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>5.90</b>	<b>246</b>
<b>Total TG</b>	<b>7096</b>	<b>2833</b>	<b>2395</b>	<b>--</b>	<b>--</b>	<b>68.28</b>	<b>2846</b>
<b>KARNATAKA</b>							
Raichur TPS (7x210+1x250)	1720	1373	1586	1612	10:56	37.26	1552
Bellary TPS (2x500+1x700)	1700	1186	1189	1243	10:56	27.89	1162
UPCL(IPP) (2x600)	1200	1111	625	1141	17:56	22.66	944
Jindal (2x130+4x300)	1460	--	--	--	--	2.15	90
YTPS (1x800)	800	--	--	--	--	--	--
<b>Total Thermal</b>	<b>6880</b>	<b>3670</b>	<b>3400</b>	<b>--</b>	<b>--</b>	<b>89.96</b>	<b>3748</b>
Sharavathi (10x103.5)	1035	340	197	588	06:46	5.78	241
Nagihari (1x135+5x150)	885	440	--	445	07:03	3.03	126
Varahi (4x115)	460	22	26	226	18:23	1.16	48
Other Hydro	1992	474	170	--	--	5.49	229
<b>Total Hydro</b>	<b>4372</b>	<b>1276</b>	<b>393</b>	<b>--</b>	<b>--</b>	<b>15.46</b>	<b>644</b>
Yelehanka Diesel (6x21.32)	128	--	--	--	--	--	--
Other Gas/Naptha/Diesel	118	--	--	--	--	--	--
<b>Total Gas/Naptha/Diesel</b>	<b>246</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Wind</b>	<b>2922</b>	<b>348</b>	<b>156</b>	<b>494</b>	<b>23:34</b>	<b>6.15</b>	<b>256</b>
<b>Solar</b>	<b>146</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0.92</b>	<b>38</b>
<b>Others</b>	<b>1041</b>	<b>365</b>	<b>351</b>	<b>365</b>	<b>19:00</b>	<b>10.74</b>	<b>447</b>
<b>Total KAR</b>	<b>15607</b>	<b>5659</b>	<b>4300</b>	<b>--</b>	<b>--</b>	<b>123.23</b>	<b>5133</b>
<b>KERALA</b>							
Iddukki (6x130)	780	327	31	496	19:21	2.53	105
Sabarigiri (1x60+4x55)	280	227	6	285	21:11	2.66	111
Lower Periyar (3x60)	180	158	--	160	18:00	0.67	28
Other Hydro	751	395	30	--	--	3.99	166
<b>Total Hydro</b>	<b>1991</b>	<b>1107</b>	<b>67</b>	<b>--</b>	<b>--</b>	<b>9.85</b>	<b>410</b>
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	--	--	--	--	--	--
<b>Total Gas/Naptha/Diesel</b>	<b>774</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Wind</b>	<b>35</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0.06</b>	<b>3</b>
<b>Solar</b>	<b>35</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0.06</b>	<b>3</b>
<b>Others</b>	<b>13</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0.05</b>	<b>2</b>
<b>Total KER</b>	<b>20</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0.11</b>	<b>5</b>

TAMILNADU							
Ennore TPS (2x60+3x110)	450	31	29	37	07:46	0.93	39
North Chennai TPS (3x210)	630	483	482	504	09:18	13.70	571
Tutucorin TPS (5x210)	1050	695	643	716	10:24	18.02	751
Mettur TPS (4x210+1x600)	1440	1218	1058	1293	15:49	32.59	1358
Neyveli-I (IPP) (6x50+3x100)	600	435	435	435	02:46	7.37	307
ST-CMS (1x250)	250	221	150	225	17:08	5.43	226
NCTPS STAGE-II (2x600)	1200	984	867	1081	10:17	25.32	1055
Other Thermal	--	--	--	--	--	--	--
<b>Total TN Thermal</b>	<b>5620</b>	<b>4067</b>	<b>3664</b>	<b>--</b>	<b>--</b>	<b>103.36</b>	<b>4307</b>
Kadamparai (G) (4x100)	400	193	114	198	06:20	1.70	71
Kadamparai (P)	400	--	--	--	--	0.59	24
Other Hydro	1824	589	127	--	--	7.60	317
<b>Total TN Hydro</b>	<b>2224</b>	<b>782</b>	<b>241</b>	<b>--</b>	<b>--</b>	<b>9.30</b>	<b>388</b>
Basin Bridge (4x30)	120	--	--	--	--	--	--
Kovilkalappal (1x70+1x37.88)	108	39	39	39	02:46	0.95	40
Kuttalam (1x64+1x37)	101	57	57	57	02:46	1.05	44
Valattur(Stg 1&2) (2x60+1x35+1x32)	187	81	81	82	17:06	3.42	143
Samalpatty (7x15.1)	106	--	--	--	--	--	--
P P Nallur (1x330.5)	331	--	--	--	--	--	--
Madurai Power CL (1x106)	106	--	--	--	--	--	--
GMR Vasavi (4x49)	196	--	--	--	--	--	--
Other Gas/Naptha/Diesel	166	689	689	689	19:00	2.27	95
<b>Total Gas/Naptha/Diesel</b>	<b>1421</b>	<b>866</b>	<b>866</b>	<b>--</b>	<b>--</b>	<b>7.69</b>	<b>322</b>
<b>Wind</b>	<b>7598</b>	<b>38</b>	<b>112</b>	<b>501</b>	<b>23:44</b>	<b>3.85</b>	<b>160</b>
<b>Solar</b>	<b>1100</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>5.48</b>	<b>228</b>
<b>Others</b>	<b>806</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>19:00</b>	<b>20.13</b>	<b>839</b>
<b>Total TN</b>	<b>18769</b>	<b>5805</b>	<b>4935</b>	<b>--</b>	<b>--</b>	<b>149.81</b>	<b>6244</b>
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	1943	1942	1987	15:59	46.72	1947
Neyveli TPS II (7x210)	1470	1108	1068	1154	11:08	25.32	1055
Neyveli TPS I (EXP) (2x210)	420	384	397	402	05:28	9.39	391
Madras APS (2x220)	440	355	355	355	02:46	8.65	360
Kaiga STGI (2x220)	440	377	375	386	21:04	9.61	400
Kaiga STG II (2x220)	440	415	415	415	19:00	9.95	415
Neyveli TPS II (EXP) (2x250)	500	--	--	--	--	--	--
Talcher II, NTPC (4x500)	2000	1384	1394	1440	02:34	33.92	1414
Simhadri II, NTPC (2x500)	1000	949	766	978	06:00	22.03	918
Kundakulam (1x1000)	1000	803	794	827	16:57	17.78	741
<b>Total ISGS</b>	<b>10310</b>	<b>7718</b>	<b>7506</b>	<b>--</b>	<b>--</b>	<b>183.37</b>	<b>7641</b>
JOINT VENTURE							
Vallur (3x500)	1500	444	892	938	05:37	16.53	689
NTPL (2x500)	1000	906	908	961	17:13	22.27	928
<b>Total JV</b>	<b>2500</b>	<b>1350</b>	<b>1800</b>	<b>--</b>	<b>--</b>	<b>38.80</b>	<b>1617</b>
IPP UNDER OPEN ACCESS							
LKPPL STG2 (1x233+1x133)	366	--	--	--	--	--	--
LKPPL STG3 (1x241.3+1x126.7)	368	--	--	--	--	--	--
SIMHAPURI (2x150)	600	401	401	401	00:00	2.78	116
MEENAKSHI (2x150)	300	96	68	124	11:00	2.35	98
COSTAL ENERGEN (2x600)	1200	558	286	558	19:00	7.88	328
TPCIL (2x660)	1320	1240	1079	1268	17:25	28.12	1172
IL&FS (2x600)	1200	553	552	553	19:00	13.02	543
SGPL (1x660)	660	--	--	--	--	14.41	600
<b>Total IPP</b>	<b>6014</b>	<b>2848</b>	<b>2386</b>	<b>--</b>	<b>--</b>	<b>68.56</b>	<b>2857</b>

Total State Thermal	23418	15240	13570	--	--	355.64	14818
Total ISGS Thermal	7990	5768	5567	--	--	137.38	5725
Total Thermal	31408	21008	19137	--	--	493.02	20543
Total Hydro	12419	3607	743	--	--	41.04	1710
*Total Gas/Naptha/Diesel	5842	1286	1270	--	--	17.54	732
Total Nuclear	2320	1950	1939	--	--	45.99	1916
Total Wind	12044	696	588	--	--	15.85	661
Total Solar	2571	--	--	--	--	12.49	519
Total Others	2525	534	510	--	--	41.71	1738
Inter-regional (Except Talcher II)	--	2207	1188	--	--	209.29	8720
Grand Total	69129	31288	25375	--	--	865.85	36077

\* Total Gas/ naptha/Diesel includes pomy 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	962	943	--	--	--	--	23.910
Gazuwaka B2B	652	648	652	05:16	--	--	15.541
Talcher-Kolar	1977	992	2276	13:47	--	--	43.229
Talcher Stage II I/C	593	-403	--	--	--	--	9.305
Raichur-Solapur I & II	2154	1927	2539	18:24	--	--	46.685
Upper Sileru-Balimela	--	--	--	--	--	--	0.000
CHIKODI-KOHLAPUR	0	0	--	--	--	--	0.000
KUDUGI-KOHLAPUR	247	431	--	--	--	--	7.720

#### 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)
30.401	1.492	3.649	-0.717	27.473	0.000	0.000	0.000	3.730	0.000	28.487	73.194	-3.641	-2.599	101.681	103.161

#### 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	4.5	72.8	52.8	22.6

Instantaneous Maximum		Instantaneous Minimum		Block Maximum		Block Minimum		Day Avg	Frequency Variation Index	Std. Var.
Hz	TIME	Hz	TIME	Hz	TIME	Hz	TIME	Hz		
50.20	21:54:00	49.79	17:12:50	50.16	22:00	49.91	16:45	50.01	0.037	0.061



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)
			BMMCEMENT-TGPCC(MANIKARAN)(6.67MW)(SR-SR)	0.071	6.670	6.670
			ITCWIND-ITCPSPD(ITCLTDWIND)(5MW)(SR-SR)	0.069	5.000	5.000
			NBVLAP-TGPCC(TATA)(17.1MW)(SR-SR)	0.201	17.100	17.100
			ITCWIND-ITCPSPD(ITCLTDWIND)(0.5MW)(SR-SR)	0.009	0.500	0.500
			GIRIJAALOY-TGPCC(GIRIJAALOY)(22MW)(SR-SR)	0.291	22.000	22.000
			MAHAMAYA-TGPCC(KISPL)(1MW)(SR-SR)	0.013	1.000	1.000
			SIRIUSBIO-TGPCC(KISPL)(1.48MW)(SR-SR)	0.019	1.480	1.480
			STEELKOTHA-TGPCC(STEELKPT)(10MW)(SR-SR)	0.100	10.000	10.000
			BMMCEMENT-SAGARCEM(SAGARCEMNT)(10MW)(SR-SR)	0.240	10.000	10.000
			<b>APTRANSCO TOTAL EXPORT</b>	<b>1.013</b>		
			INDCEMSANK-INDCEMCMKR(INDCEMSANK)(4.4MW)(SR-SR)	0.106	4.400	4.400
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(5.5MW)(SR-SR)	0.132	5.500	5.500
			MYHOMEIND-JAYAJOTHI(MYHOME)(13MW)(SR-SR)	0.312	13.000	13.000
			MYHOMEIND-MYHOMEVGU(MYHOME)(4.4MW)(SR-SR)	0.106	4.400	4.400
			DALCEMKAR-DALCEMAP(PTC)(8.4MW)(SR-SR)	0.135	8.400	8.400
			<b>APTRANSCO TOTAL IMPORT</b>	<b>0.791</b>		
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(5.5MW)(SR-SR)	0.132	5.500	5.500
			MYHOMEIND-JAYAJOTHI(MYHOME)(13MW)(SR-SR)	0.312	13.000	13.000
			MYHOMEIND-MYHOMEVGU(MYHOME)(4.4MW)(SR-SR)	0.106	4.400	4.400
			<b>TGTRANSCO TOTAL EXPORT</b>	<b>0.550</b>		
			ADHUNIK-TGPCC(PTC)(40MW)(ER-SR)	0.140	40.000	0.000
			PIONEER_EB-TSSPDCL(PIONEER_EB)(225MW)(ER-SR)	2.713	225.000	225.000
			APLMUNDRA3-TGPCC(ADANI)(88MW)(ER-SR)	0.396	88.000	88.000
			BMMCEMENT-TGPCC(MANIKARAN)(6.67MW)(SR-SR)	0.071	6.670	6.670
			ITCWIND-ITCPSPD(ITCLTDWIND)(5MW)(SR-SR)	0.069	5.000	5.000
			NBVLAP-TGPCC(TATA)(17.1MW)(SR-SR)	0.201	17.100	17.100
			MALCOELTN-TGPCC(NVVN)(66MW)(SR-SR)	0.467	66.000	66.000
			ITCWIND-ITCPSPD(ITCLTDWIND)(0.5MW)(SR-SR)	0.009	0.500	0.500
			GIRIJAALOY-TGPCC(GIRIJAALOY)(22MW)(SR-SR)	0.291	22.000	22.000
			MAHAMAYA-TGPCC(KISPL)(1MW)(SR-SR)	0.013	1.000	1.000
			SIRIUSBIO-TGPCC(KISPL)(1.48MW)(SR-SR)	0.019	1.480	1.480
			STEELKOTHA-TGPCC(STEELKPT)(10MW)(SR-SR)	0.100	10.000	10.000
			BMMCEMENT-SAGARCEM(SAGARCEMNT)(10MW)(SR-SR)	0.240	10.000	10.000
			SIMHAPURI-TGPCC(SEPL)(130MW)(SR-SR)	1.762	130.000	130.000
			THERMPOWER-TSSPDCL(TPCIL)(168.62MW)(SR-SR)	1.237	168.620	168.620
			VEDSTERCOP-TGPCC(NVVN)(12MW)(SR-SR)	0.147	12.000	12.000
			MEENAKSHI-TGPCC(IPCL)(120MW)(SR-SR)	1.638	120.000	120.000
			<b>TGTRANSCO TOTAL IMPORT</b>	<b>9.513</b>		
			UDUPIPOWER-MPSEZ(UDUPIPOWER)(8.16MW)(SR-WR)	0.196	8.160	8.160
			DALCEMKAR-DALCEMAP(PTC)(8.4MW)(SR-SR)	0.135	8.400	8.400
			<b>KPTCL TOTAL EXPORT</b>	<b>0.331</b>		
			<b>KPTCL TOTAL IMPORT</b>	<b>0.000</b>		
			<b>KSEB TOTAL EXPORT</b>	<b>0.000</b>		
			<b>KSEB TOTAL IMPORT</b>	<b>0.000</b>		
			MALCOELTN-TGPCC(NVVN)(66MW)(SR-SR)	0.467	66.000	66.000
			INDCEMSANK-INDCEMCMKR(INDCEMSANK)(4.4MW)(SR-SR)	0.106	4.400	4.400
			VEDSTERCOP-TGPCC(NVVN)(12MW)(SR-SR)	0.147	12.000	12.000
			<b>TNEB TOTAL EXPORT</b>	<b>0.720</b>		
			SRPOWERMP-TNEB(IEX)(6.43MW)(ER-SR)	0.032	6.430	0.000
			DBPOWER-TNEB(IEX)(7.86MW)(ER-SR)	0.039	7.860	0.000
			DBPOWER-TANGEDCO(PXIL)(7.14MW)(ER-SR)	0.036	7.140	0.000
			JINDALIND-TNEB(IEX)(3.57MW)(ER-SR)	0.018	3.570	0.000
			DBPOWER-TANGEDCO(PXIL)(150MW)(ER-SR)	0.275	150.000	0.000
			THERMPOWER-TNEB(IEX)(168MW)(SR-SR)	0.472	168.000	0.000
			<b>TNEB TOTAL IMPORT</b>	<b>0.872</b>		
			GOASR-GOAWR(GOA)(24.8MW)(SR-WR)	0.521	24.800	24.800
			<b>GOA TOTAL EXPORT</b>	<b>0.521</b>		
			<b>GOA TOTAL IMPORT</b>	<b>0.000</b>		
			<b>LKPL TOTAL EXPORT</b>	<b>0.000</b>		

**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	24.72	0.00	425	0201	406	1034	234	0201	223	0718
GOOTY	0.00	0.00	0.69	0.00	422	0202	408	1108	220	0246	220	0246
VIJAYWADA	0.00	0.00	74.86	0.35	430	0201	418	0725	235	0302	227	1751
KOLAR	0.00	0.00	0.00	0.00	413	0204	393	0532	225	1759	211	0530
BANGALORE	0.00	11.74	0.00	0.00	409	0202	382	1110	214	0202	195	1110
HIRIYUR	0.00	0.00	0.00	0.00	416	2155	394	1107	231	2151	214	1108
CHENNAI	0.00	0.00	0.00	0.00	418	0201	405	1103	224	0302	215	1740
TRICHY	0.00	0.00	0.00	0.00	410	0201	396	1714	210	0247	210	0247
TRIVENDRAM	0.00	0.00	0.00	0.00	411	0200	397	1127	227	0200	218	1428
KAIGA	0.00	0.00	0.00	0.00	416	2157	397	1108	220	0547	220	0547
KUDANKULAM	0.00	0.00	0.00	0.00	413	0201	402	1117	236	0300	228	1821

**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	837.04	475	837.38	492	2.21	2.21	13.72	30.72
SRISAILAM	243.84	270.70	1392	266.70	740	255.21	160	0.00	3.90	0.00	5.63
N.SAGAR	149.30	179.90	1398	161.82	210	155.17	0	2.80	0.00	7.90	0.00
LINGANAMAKKI	522.73	554.50	4557	546.84	2464	546.58	2409	2.04	8.55	6.98	95.73
SUPA	495.00	564.00	3159	546.02	1714	540.85	1399	0.14	2.69	8.29	51.38
IDUKKI	694.94	732.43	2148	715.26	943	720.10	1243	1.84	3.31	22.77	37.02
KAKKI	908.30	981.45	916	968.60	514	969.75	543	0.87	3.00	27.81	33.46
NILAGIRIS	--	--	1504	--	647	--	1102	1.25	1.81	12.06	15.06
TOTAL	--	--	15608	--	7707	--	7348	11.15	25.47	99.53	269.00

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)	0.00	0.00	0.00	0.00	0.00	0.00
OD MU'S ( F<49.9)	0.00	0.00	0.00	0.00	0.00	0.00
OD NO OF BLOCK( F<49.9)	0	0	0	0	0	0

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

सारांश 20:00 बजे/ 20:00 hrs			रात्री 03:00 बजे /03:00 hrs			दैनिक ऊर्जा / Day Energy		अंतर-क्षेत्रीय आयात-निर्गत / 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)	सिड्यू/ Schedule (MU)	वास्तविक/ Actual (MU)	विवरण / Deviation (MU)
44665	23	44689	36384	0	36384	1014	0	-186.4	-198.3	-12.0

2. फ्रिक्वेंसी प्रोफाइल / Frequency Profile

तात्कालिक / Instantaneous			फ्रिक्वेंसी प्रवर्तन सूचकांक / Frequency Variation Index	प्रतिशत समय फ्रिक्वेंसी / % 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	
50.20	49.79	50.01	0.037	0.00	0.00	4.54	47.15	72.84	22.63	5.64	
21:54	17:12										
Percentage of Time Frequency Remained outside IEGC Band							27.2%	Percentage			
Nos of hours frequency remained outside IEGC Band							6.5	Hours			

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)			अभाव/ Consumption (in MU)	अभाव/ Shortage* (in MU)
	तापीय/ Thermal	जलीय/ Hydro	पवन/ Wind	सौर-अन्य / Solar-Others	कुल/ Total	सिड्यू/ Schedule	वास्तविक/ Actual	अभाव/ Deviation		
गुजरात / Gujarat	171.8	2.9	13.7	4.9	193.3	72.8	72.5	-0.4	265.7	0.0
मध्य प्रदेश/ Madhya Pradesh	61.1	20.9	1.7	3.8	87.5	130.7	127.0	-3.7	214.4	0.0
छत्तीसगढ़/ Chattisgarh	52.0	0.1	0.0	0.0	52.1	12.7	11.3	-1.4	63.4	0.0
महाराष्ट्र/ Maharashtra	287.9	19.3	3.0	1.0	311.2	117.4	118.7	1.3	429.9	0.0
गोवा/ Goa	0.6	0.0	0.0	0.0	0.6	8.4	8.3	-0.2	8.9	0.0
दमन-द्यू/ Daman & Diu	0.0	0.0	0.0	0.0	0.0	6.5	6.6	0.1	6.6	0.0
दादरा नगर हवेली/ Dadra & Nagar Haveli	0.0	0.0	0.0	0.0	0.0	16.8	16.5	-0.34	16.5	0.0
एस्सार स्टील/ Essar Steel	0.0	0.0	0.0	0.0	0.0	8.9	8.5	-0.4	8.5	0.0
पश्चिम क्षेत्रीय / Western Regional	573.5	43.2	18.4	9.6	644.7	374.2	369.3	-5.0	1014.0	0.0

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	सारांश 20:00 बजे/ 20:00 hrs		रात्री 03:00 बजे /03:00 hrs		दैनिक शिखर Day Peak		विवरण/ Deviation in 15-minute time block			
	उपलब्धता / Demand Met (MW)	अभाव / Shortage (MW)	उपलब्धता / Demand Met (MW)	अभाव / Shortage (MW)	उपलब्धता Max Demand Met / वजे Time (MW)	अभाव / Shortage (MW)	औसत/ Average (MW)	अधिकतम/ Maximum (MW)	न्यूनतम/ Minimum (MW)	
गुजरात / Gujarat	11150	0	9965	0	12245	11.00	0	94	619	-298
मध्य प्रदेश/ Madhya Pradesh	8515	6	7944	0	9974	10.00	0	-127	481	-245
छत्तीसगढ़/ Chattisgarh	2663	2	2306	0	2979	18.00	0	-44	210	-172
महाराष्ट्र/ Maharashtra	20523	14	14531	0	20523	19.00	0	105	648	-632
गोवा/ Goa	436	0	306	0	442	19.00	0	-34	71	-150
दमन-द्यू/ Daman & Diu	271	0	259	0	296	18.00	0	-7	33	-31
दादरा नगर हवेली/ Dadra & Nagar Haveli	711	0	691	0	723	19.00	0	-18	12	-53
एस्सार स्टील/ Essar Steel	396	0	382	0	457	23.00	0	-13	164	-200
पश्चिम क्षेत्रीय / Western Regional	44665	23	36384	0						

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

स्टेशन/ Station	संस्थापित क्षमता/ Installed Capacity (Maximum)	घोषित क्षमता/ OM Bar Declared Capability (Maximum)	वास्तविक उत्पादन/ Actual Generation (Ex-bus)			दैनिक उत्पादन / Day Generation (Ex-bus)			विवरण/ Deviation in 15-minute time block	
			शिखर समय/ Peak hour (Avg 15 min)	Off-Peak hour (Avg 15 min)	औसत/ Day Average (MW)	सिड्यू/ Schedule (MU)	वास्तविक/ Actual (MU)	विवरण/ Deviation (MU)	अधिकतम/ Maximum (MW)	न्यूनतम/ Minimum (MW)
कोरबा / Korba-I&II	2100	1920	1815	1815	1815	43.0	43.6	0.6	355	-105
कोरबा / Korba-III	500	401	470	470	470	10.8	11.3	0.5	197	69
विन्ध्याचल / Vindhyachal-I	1260	946	828	622	730	14.7	17.5	2.8	263	56
विन्ध्याचल / Vindhyachal-II	1000	943	947	660	893	20.4	21.4	1.0	294	-58
विन्ध्याचल / Vindhyachal-III	1000	955	794	571	755	17.9	18.1	0.2	164	-173
विन्ध्याचल / Vindhyachal-IV	1000	955	756	391	738	17.0	17.7	0.7	278	-86
सीपत / Sipat-I	1980	1890	1895	1805	1864	44.4	44.7	0.3	140	-137
सीपत / Sipat-II	1000	950	956	855	938	22.4	22.5	0.2	30	-101
मौदा-1 / Mouda-I	1000	472	702	504	627	9.4	15.1	5.7	335	161
सासन/ Sasan UMPP	3960	3722	3736	3253	3653	86.6	87.7	1.1	163	-68
मुंद्रा / CGPL Mundra UMPP	4150	2640	2533	1992	2246	54.9	53.9	-0.9	28	-132
एन एस पी सी एल / NSPCL	500	465	361	298	358	8.3	8.6	0.3	179	41
ककरापार/ Kakrapar	440	0	-2	-3	-2	0.0	0.0	0.0	-2	-3
तारापुर / Tarapur-I	320	0	276	278	277	7.4	6.7	-0.7	-29	-33
तारापुर / Tarapur-II	1080	0	927	827	882	20.5	21.2	0.7	58	-2
कावास/ Kawas	656	330	308	289	284	7.1	6.8	-0.2	50	-82
गांधी/ Gandhiar	657	440	364	320	342	7.7	8.2	0.5	113	-38
ई-बोली/E-Bid RGPPL	1000	570	486	485	496	11.7	11.9	0.2	127	-30

सदर संचयन कोजेक्ट / SSP	1450	848	652	283	650	16.3	15.6	-0.7	11	-184
शुद्ध / Total	25053	18447	18804	15714	18017	420.4	432.4	12.0		

Note:Source SCADA

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

स्टेशन/ Station	संस्थापित क्षमता/ Installed Capacity/ Effective MW	वास्तविक उत्पादन/ Actual Generation (Ex-bus)			दैनिक उत्पादन / Day Generation (Ex-bus)			चिचलन/ Deviation in 15-minute time block	
		शिखर समय / Peak hour(Avg 15 min)	Off-Peak hour (Avg 15 min)	औसत/ Day Average	सिड्यूल/ Schedule	वास्तविक/ Actual	चिचलन/ Deviation	अधिकतम/ Maximum	न्यूनतम/ Minimum
		(MW)	(MW)	(MW)	(MU)	(MU)	(MU)	(MW)	(MW)
एस्सर महान/ Essar Mahan	600	399	400	398	9.6	9.5	-0.1	20	-18
वंदना विद्युत / Vandana Vidut	135	0	0	0	0.0	0.0	0.0	0	0
बालको/ Balco	1200	464	365	374	9.9	9.0	-0.9	22	-97
जे पी नैगरी/ JP Nigrie (JNSTPP)	1320	729	610	695	16.9	16.7	-0.3	59	-29
लन्को /LANCO	600	176	179	196	4.7	4.7	0.0	35	-11
के एस के / KSK Mahanadi (KMPCL)	1200	544	543	543	13.0	13.0	0.0	5	-6
जिंदल/Jindal Stg-1	1000	439	411	427	10.3	10.2	-0.1	40	-58
जिंदल/Jindal Stg-2	1800	524	536	531	13.0	13.0	0.0	31	-66
डी सी पी / DCPD	540	5	9	4	0.1	0.1	0.0	18	-26
कोरवा वेस्ट / Korba West(KW/PCL)	600	538	400	497	12.4	11.9	-0.5	18	-58
डी बी पावर/ DB Power	1200	815	671	684	16.2	16.4	0.2	77	-60
एम्को / EMCO WARORA	600	431	339	447	10.9	10.7	-0.2	65	-67
ACBIL+ Spectrum+MCPL	620	333	333	333	8.0	8.0	0.0	5	-3
धारीवाल/ Dhariwal	300	177	172	174	4.2	4.2	0.0	5	-5
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
एम्बी विद्युत / MB Power	1200	466	470	475	11.3	11.4	0.1	-45	-12
डीजेन/ DGEN	1200	-2	-2	-2	0.0	-0.1	-0.1	-2	-7
झाबुआ/ Jhabua	600	0	0	0	0.0	0.0	0.0	0	0
शुद्ध / Total	16805	6338	5739	6091	151.2	149.7	-1.5		

Note:Source SCADA

7. अंतर क्षेत्रीय विनिमय / Inter regional Exchange

क्षेत्र / Region		सिड्यूल/ Schedule (MU)	वास्तविक/ Actual (MU)	अधिकतम/ Maximum (MW)
उत्तरी क्षेत्र/ Northern Region	आयात / Import	13.2	16.7	1140
	निर्यात / Export	126.1	131.7	5952
	शुद्ध / Net	-112.9	-115.0	
पूर्वी क्षेत्र / Eastern Region	आयात / Import	34.2	8.7	532
	निर्यात / Export	34.4	15.0	1236
	शुद्ध / Net	-0.2	-6.3	
दक्षिणी क्षेत्र/ Southern Region	आयात / Import	0.7	1.6	0
	निर्यात / Export	74.0	78.6	3837
	शुद्ध / Net	-73.3	-77.1	
पश्चिम क्षेत्रीय / WR Region	आयात / Import	48.1	27.0	1672
	निर्यात / Export	234.5	225.3	11025
	शुद्ध / Net	-186.4	-198.3	

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

8. वोल्टेज प्रोफाइल / Voltage Profile- 765 kV

उपकेंद्र/ Station	अधिकतम/ Maximum (Instantaneous)		न्यूनतम/ Minimum (Instantaneous)		प्रतिशत समय विचलन/ % time voltage			Nos of Hours Voltage remained Outside IEGC Range(VDI) (100-A)/24/100
	केजी / kV	समय/Time	केजी / kV	समय/Time	< 728 kV	IEGC Band (A)	> 800 kV	
सीपत/Sipat	771	21:55:00	758	7:29:00	0	100	0	0.0
सियोनि/Seoni	790	21:58:00	760	7:37:00	0	100	0	0.0
वर्धा/Wardha	801	21:59:00	762	6:43:00	0	100	0	0.1
बीना/Bina	790	21:55:00	756	9:13:00	0	100	0	0.0
इंदौर/Indore	791	19:45:00	751	9:16:00	0	100	0	0.0
सासन/Sasan	777	2:52:00	757	9:16:00	0	100	0	0.0
सतना/Satna	786	1:55:00	757	9:15:00	0	100	0	0.0
तमनार/Tamnara	797	2:02:00	785	6:43:00	0	100	0	0.0
कोटरा/Kotra	797	2:04:00	785	7:37:00	0	100	0	0.0
वडोदरा / Vadodara	780	18:05:00	765	22:25:00	0	100	0	0.0
दुर्ग/Durg	786	0:00:00	776	18:24:00	0	100	0	0.0

9. वोल्टेज प्रोफाइल / Voltage Profile- 400 kV

उपकेंद्र/ Station	अधिकतम/ Maximum (Instantaneous)		न्यूनतम/ Minimum (Instantaneous)		प्रतिशत समय विचलन/ % time voltage			Nos of Hours Voltage remained Outside IEGC Range(VDI) (100-A)/24/100
	केजी / kV	समय/Time	केजी / kV	समय/Time	<380 kV	IEGC Band (A)	> 420 kV	
भोपाल / Bhopal	418	1:58	400	8:28	0	100	0	0.0
खंडवा / Khandwa	424	21:58	406	9:14	0	76	24	5.7
इटारसी / Itarsi	414	1:59	395	9:14	0	100	0	0.0
दमोह / Damoh	423	1:58	406	9:16	0	100	0	0.0
नागदा / Nagda	422	21:58	401	9:14	0	100	0	0.0
रायपुर / Raipur	425	1:56	414	9:12	0	68	32	7.6
रायगढ़ / Raigarh	423.91	2:00	417	16:49	0	59	41	9.8
वर्धा / Wardha	421	2:01	407	6:41	0	99	1	0.2
डुले / Dhule	426	21:54	400	6:40	0	85	15	3.5
परली / Parli	422	2:01	390	6:41	0	99	1	0.3
बोईसर / Boisar	422	3:51	405	18:24	0	100	0	0.0
असोज / Asoj	418	3:00	401	10:26	0	100	0	0.0
देहगाम / Dehgam	425	3:00	409	10:17	0	61	39	9.4
कासोर / Kasor	419	22:01	408	9:17	0	100	0	0.0
जेटपुर / Jetpur	411	18:59	399	10:15	0	100	0	0.0
अमरेली / Amreli	417	19:02	403	10:24	0	100	0	0.0
वापी / Vapi	419	3:00	400	18:22	0	100	0	0.0
काला/ KALA	406	0:00	406	0:00	0	100	0	0.0

मागरवाडा / Magarwara	416	1.43	400	10:13	0	100	0	0.0
हजीर / Hazira	423	3.00	399	10:15	0	97	3	0.7

10. अन्त्यापि अंशमन / STOA (Bilateral & PX)

CONSTITUENTS	STOA Schedule				19:00 hrs Approval		03:00 hrs Approval	
	BILATERAL	PX	BILATERAL	PX	BILATERAL	PX	BILATERAL	PX
	(MUs)	(MUs)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
गुजरात / Gujarat	-3.5	9.9	-143	492	81	370		
मध्य प्रदेश / Madhya Pradesh	18.6	-11.2	390	-232	390	-244		
छत्तीसगढ़ / Chhattisgarh	-1.4	-0.9	148	-41	148	-163		
महाराष्ट्र / Maharashtra	5.5	-2.3	359	91	285	-605		
गोवा / Goa	0.0	0.2	0	98	0	-40		
दमन-द्यू / Daman & Diu	0.0	1.3	0	54	0	54		
दादरा नगर हवेली / Dadra & Nagar Haveli	0.0	7.8	0	324	0	324		
एस्सार स्टील / Essar Steel	8.9	0.0	371	0	371	0		

State Generators

स्टेशन / Station	संस्थापित क्षमता / Installed Capacity	वास्तविक उत्पादन / Actual Generation (Ex-bus)			विचलन / Day Peak in 15-minute time block		दिन ऊर्जा (MU)
		शिखर समय / Peak hour (Avg 15 min)	ऑफ-पीक समय / Off-Peak hour (Avg 15 min)	औसत / Day Average	अधिकतम / Maximum	समय / Time	
		(MW)	(MW)	(MW)	(MW)	hh:mm	
<b>Chhattisgarh</b>							
Bango	120	0	0	3	62	(18:45-19:00)	0.1
DSPM	500	470	470	468	473	(14:45-15:00)	11.2
Korba (E)	440	281	202	291	307	(07:30-07:45)	7.0
Korba(W)	1340	188	202	157	221	(22:45-23:00)	3.8
Marwa TPS	1000	0	0	0	0	(00:00-00:15)	0.0
SOLAR							0.0
WIND							0.0
<b>Gujarat</b>							
Essar Vadinar (EPGL)	1200	347	330	361	379	(13:45-14:00)	8.7
Akrimota (ALTPS)	250	83	82	82	84	(17:00-17:15)	2.0
GIPCL	305	0	0	0	0	(00:00-00:15)	0.0
GSEC	156.1	238	237	239	288	(18:15-18:30)	5.7
Surat Lignite (SLPP)	500	504	289	449	508	(09:15-09:30)	10.8
UNO SUGEN	361	241	241	238	243	(21:30-21:45)	10.8
Adani Mundra (APL)	4620	3032	2521	2956	3690	(18:30-18:45)	71.0
Dhruvran Gas (DGBP)	215	79	3	54	80	(11:15-11:30)	1.3
Gandhinagar (GTPS)	870	172	169	179	218	(10:00-10:15)	4.3
KADANA	240	0	0	24	59	(10:45-11:00)	10.8
KLTPS	290	57	155	150	201	(14:30-14:45)	3.6
STPS	740	375	372	421	504	(08:45-09:00)	10.1
UKAI (HYDRO)	300	71	80	92	153	(12:00-12:15)	2.2
Ukai Thermal (UTPS)	1350	691	671	731	911	(12:30-12:45)	17.6
Wanakbori (WTPS)	1470	150	170	158	211	(18:00-18:15)	3.8
Sugen Torrent	1147.5	418	447	550	699	(07:45-08:00)	13.2
UTRAN-2	375	2	4	3	4	(00:15-00:30)	0.1
BARGI HYDRO	90	81	89	79	92	(06:30-06:45)	1.9
SOLAR							4.9
WIND							13.7
<b>Madhya Pradesh</b>							
AMARKANTAK	450	161	212	190	215	(04:45-05:00)	4.6
GANDHI SAGAR	125	1	1	18	59	(10:15-10:30)	0.4
ISP	1000	251	375	340	386	(05:45-06:00)	8.2
JP BINA	500	298	298	299	301	(16:30-16:45)	7.2
OMKARESWAR	520	58	169	134	170	(01:00-01:15)	3.2
RAJGHAT HY	45	0	0	0	0	(00:00-00:15)	0.0
SATPURA (SARNI)	1330	573	498	507	578	(14:00-14:15)	12.2
SGTPS (SANJAY GANDHI)	1340	777	665	719	811	(09:15-09:30)	17.3
SILPARA HY	30	-21	-21	-21	-19	(09:15-09:30)	-0.5
TONS HY	315	181	167	190	318	(11:15-11:30)	4.6
SINGHA JI	1200	665	656	694	836	(18:00-18:15)	16.6
SOLAR							3.8
WIND							1.7
<b>Maharashtra</b>							
DHARIWAL	300	146	146	146	146	(00:15-00:30)	3.5
IB AMRAVATI	1350	676	708	723	1001	(18:45-19:00)	17.3
IEPL BELA	270	0	0	0	0	(00:00-00:15)	0.0
TATA BHIRA HY	150	22	2	35	126	(17:00-17:15)	0.8
BHUSAWAL	1420	953	695	857	972	(15:30-15:45)	20.6
BHIVPURI	75	71	0	42	71	(15:45-16:00)	1.0
CHANDRAPUR	2340	1419	1004	1215	1473	(20:45-21:00)	29.1
DHANU	500	367	367	386	487	(09:15-09:30)	9.3
KHAPARKHEDA	1340	1195	960	1112	1214	(07:15-07:30)	26.7
KORADI	1950	686	558	601	692	(19:00-19:15)	14.4
NASIK	630	301	302	315	369	(08:00-08:15)	7.6
PARAS	500	225	176	209	228	(18:15-18:30)	5.0
PARLI	1130	390	328	327	390	(16:00-16:15)	7.8
TOMBAY	1580	886	691	809	912	(12:30-12:45)	19.4
JAIGAD (JSW)	1200	896	807	875	911	(13:15-13:30)	21.0
BHIRA PSS HY	150	165	1	71	165	(19:30-19:45)	1.7
TATA KHOPOLI	72	24	0	13	24	(19:45-20:00)	0.3
KOYNA 1&2	600	40	40	162	540	(07:15-07:30)	3.9
KOYNA 3	320	157	0	82	158	(13:00-13:15)	2.0
KOYNA-4	1000	-3	-5	209	964	(10:00-10:15)	5.0
URAN	675	428	446	432	449	(05:00-05:15)	10.4
APML TIRODA	3300	2242	1740	2116	2278	(16:30-16:45)	50.8
SOLAR							1.0
WIND							3.0

11. No of Zero crossing of UI of States

State	CHATTISGARH	DD	DNH	GOA	GUJARAT	MADHYAPRADSH	MAHARASHTRA
* No of Zero Crossing of UI	17	2	3	2	11	18	27

\* Calculated based on 15-minute average sample data from SCADA.