



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

Report for previous day

Date of Reporting

1-Dec-16

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	37042	45631	37719	15738	2318	138449
Peak Shortage (MW)	831	59	250	430	45	1615
Energy Met (MU)	756	1021	854	306	37	2974
Hydro Gen(MU)	111	51	35	26	11	234
Wind Gen(MU)	5	6	11	-----	-----	22
Solar Gen (MU)*	2.94	0.00	11.70	0.02	0.03	15

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	0.131	2.23	7.87	18.06	28.16	62.27	9.57
SR GRID	0.131	2.23	7.87	18.06	28.16	62.27	9.57

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	4588	0	87.2	48.8	-0.5	171
	Haryana	5648	200	112.4	84.3	3.6	670
	Rajasthan	10074	0	197.9	72.0	0.6	437
	Delhi	2913	0	52.7	43.4	0.4	293
	UP	10918	110	211.4	84.4	-2.3	341
	Uttarakhand	1679	0	31.3	14.3	2.7	329
	HP	1305	0	24.1	18.3	0.3	275
	J&K	1772	443	36.0	34.2	-3.4	45
	Chandigarh	178	0	3.3	3.4	-0.1	8
WR	Chhattisgarh	2975	0	64.0	7.9	-1.5	326
	Gujarat	12724	0	274.2	103.7	-2.4	592
	MP	10843	0	218.6	132.7	-3.4	175
	Maharashtra	20129	0	427.2	122.9	-2.8	590
	Goa	409	0	8.3	7.9	-0.2	31
	DD	274	0	6.1	6.2	-0.1	1
	DNH	684	0	15.4	15.8	-0.5	12
	Essar steel	741	0	6.8	6.6	0.2	160
	Andhra Pradesh	7040	0	153.7	25.9	0.3	444
SR	Telangana	6967	0	140.9	61.7	1.1	254
	Karnataka	8991	800	200.1	70.8	2.9	579
	Kerala	3435	0	65.2	53.6	2.2	313
	Tamil Nadu	13366	0	287.7	148.7	0.2	588
	Pondy	313	0	6.1	6.7	-0.5	26
	Bihar	3376	0	59.6	59.2	0.4	150
ER	DVC	2287	0	57.4	-35.9	-3.1	0
	Jharkhand	1136	0	20.0	16.0	2.3	150
	Odisha	3756	0	64.7	21.0	-0.7	100
	West Bengal	6644	0	102.8	21.5	-1.0	200
	Sikkim	92	0	1.4	1.3	0.1	0
	Arunachal Pradesh	121	9	2.0	1.7	0.4	48
NER	Assam	1411	9	21.9	16.6	1.8	172
	Manipur	150	0	2.1	2.4	-0.3	11
	Meghalaya	300	0	4.8	3.4	0.0	40
	Mizoram	89	1	1.5	1.2	0.2	16
	Nagaland	101	1	1.9	1.7	0.2	9
	Tripura	216	0	2.9	1.3	0.9	17

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.9	-4.9	-12.5
Day peak (MW)	419.9	-246.0	-586.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	159.5	-156.6	80.8	-83.7	4.7	4.6
Actual(MU)	173.0	-170.8	79.7	-89.9	6.6	-1.4
O/D/U/D(MU)	13.5	-14.2	-1.1	-6.1	1.9	-6.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5916	10046	2170	1970	495	20597
State Sector	13685	17039	7122	5854	110	43810
Total	19601	27085	9292	7824	605	64407

*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 :	1-Dec-16
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765KV	GAYA-VARANASI	D/C	0	432	0.0	15.8	-15.8	
2		SASARAM-FATEHPUR	S/C	0	349	0.0	3.0	-3.0	
3		GAYA-BALIA	S/C	0	516	0.0	7.1	-7.1	
4	HVDC LINK	PUSAULI B/B	S/C	3	0	0.0	0.0	0.0	
5	400 KV	PUSAULI-SARNATH	S/C	167	0	0.5	0.0	0.5	
6		PUSAULI -ALLAHABAD	S/C	278	0	3.6	0.0	3.6	
7		MUZAFFARPUR-GORAKHPUR	D/C	64	1217	0.0	5.3	-5.3	
8		PATNA-BALIA	Q/C	0	1080	0.0	17.0	-17.0	
9		BIHARSHARIFF-BALIA	D/C	0	368	0.0	4.5	-4.5	
10		BARH-GORAKHPUR	D/C	0	575	0.0	10.8	-10.8	
11		BIHARSHARIFF-VARANASI	D/C	37	0	0.0	3.2	-3.2	
12	220 KV	PUSAULI-SAHUPURI	S/C	0	242	0.0	3.2	-3.2	
13	132 KV	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	0.0	0.0	0.0	
16		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						4.9	69.7	-64.8	
Import/Export of ER (With WR)									
17	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	1045	0.0	15.6	-15.6	
18		NEW RANCHI-DHARAMJAIGARH	D/C	395	315	1.1	0.0	1.1	
19	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	164	53	0.7	0.0	0.7	
20		JHARSUGUDA-RAIGARH	S/C	178	27	1.6	0.0	1.6	
21		IBEUL-RAIGARH	S/C	126	16	1.2	0.0	1.2	
22		STERLITE-RAIGARH	D/C	33	212	0.0	2.6	-2.6	
23		RANCHI-SIPAT	D/C	253	32	1.9	0.0	1.9	
24	220 KV	BUDHIPADAR-RAIGARH	S/C	58	92	0.0	0.8	-0.8	
25		BUDHIPADAR-KORBA	D/C	183	100	2.5	0.0	2.5	
ER-WR						9.0	19.0	-10.0	
Import/Export of ER (With SR)									
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	330	0.0	12.6	-12.6	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1975	0.0	33.8	-33.8	
28	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0	0.0	0.0	0.0	
29	400 KV	TALCHER-1/C		648.5	1094	0.0	9.5	-9.5	
30	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0.0	0.0	0.0	
ER-SR						0.0	46.4	-46.4	
Import/Export of ER (With NER)									
31	400 KV	BINAGURI-BONGAIGAON	Q/C	623	979	0.0	8.0	-8	
32	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.3	-1	
ER-NER						0.0	9.3	-9.3	
Import/Export of NR (With NER)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	15.9	15.9	
NR-NER						0.0	15.9	15.9	
Import/Export of WR (With NR)									
34	HVDC	V'CHAL B/B	D/C	500	500	3.8	3.8	0.0	
35	HVDC	APL -MHG	D/C	0	1205	0.0	28.9	-28.9	
36	765 KV	GWALIOR-AGRA	D/C	0	2616	0.0	43.7	-43.7	
37	765 KV	PHAGI-GWALIOR	D/C	0	1668	0.0	35.9	-35.9	
38	400 KV	ZERDA-KANKROLI	S/C	171	34	1.9	0.0	1.9	
39	400 KV	ZERDA -BHINMAL	S/C	154	190	0.0	0.2	-0.2	
40	400 KV	V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
41	400KV	RAPP-SHUJALPUR	D/C	0	559	0	9	-9	
42	220 KV	BADOD-KOTA	S/C	23	38	0.0	0.4	-0.4	
43		BADOD-MORAK	S/C	0	74	0.0	1.2	-1.2	
44		MEHGAON-AURAIYA	S/C	40	6	0.4	0.0	0.4	
45		MALANPUR-AURAIYA	S/C	7	36	0.0	0.4	-0.4	
46		132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						6.1	123.5	-117.3	
Import/Export of WR (With SR)									
47	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	24.0	-24.0	
48		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
49	765 KV	SOLAPUR-RAICHUR	D/C	0	2247	0.0	43.9	-43.9	
50	400 KV	KOLHAPUR-KUDGI	D/C	0	395	0.0	5.7	-5.6	
51	220 KV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
52		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
53		XELDEM-AMBEWADI	S/C	86	0	0.2	0.0	0.2	
WR-SR						0.3	73.6	-73.4	
TRANSNATIONAL EXCHANGE									
54		BHUTAN						8.9	
55		NEPAL						-4.9	
56		BANGLADESH						-12.5	

DATE OF REPORTING-01.12.2016							
LINE OUTAGE REPORT FOR 30.11.2016							
Name of Line	Voltage (kV)	Region	Ownership	Outage		Reival	Reason of Outage/Remark
				Date	Time		
IR Links							
1	BINAGARI-BONGARAJON 3	400	ERNER	PGCIL	23.11.16	2255	STILL OUT HIGH VOLTAGE
NR							
1	BATANGARI-SURATGARH 1	400	NR	REVPNL	19.11.16	1920	STILL OUT HIGH VOLTAGE
2	KHEDEAR-SHEDAWALLI 2	400	NR	HYVNL	19.11.16	2039	STILL OUT HIGH VOLTAGE
3	MUKATSAR-TALWANDI SABO 1	400	NR	PSEB	22.11.16	2019	STILL OUT HIGH VOLTAGE
3	BHIVANDI-HSAR 3	400	NR	PGCIL	23.11.16	2125	STILL OUT HIGH VOLTAGE
4	PARBATI POOL-PARBATI(3)-1	400	NR	PGCIL	23.11.16	2118	STILL OUT HIGH VOLTAGE
5	FATEHABAD-PG-KHEDEAR(HV)PNL 1	400	NR	HYVNL	26.11.16	2031	STILL OUT HIGH VOLTAGE
6	BATANGARI-SURATGARH 2	400	NR	REVPNL	26.11.16	2142	STILL OUT HIGH VOLTAGE
8	AMER B. BHOWANA 1	400	NR	REVPNL	27.11.16	1339	STILL OUT HIGH VOLTAGE
8	BKANER-BHOWANA 1	400	NR	REVPNL	29.11.16	1513	STILL OUT HIGH VOLTAGE
9	BKANER-MERTA 1	400	NR	REVPNL	29.11.16	1826	STILL OUT HIGH VOLTAGE
10	BHIMPUR B. MERTA 1	400	NR	REVPNL	29.11.16	1857	STILL OUT HIGH VOLTAGE
11	BATANGARI (RV)PNL 1-SIKAR (PG)-1	400	NR	PGCIL	29.11.16	1905	STILL OUT HIGH VOLTAGE
12	KOTAP(G)-MERTAR(V)PNL 1	400	NR	PGCIL	29.11.16	1908	STILL OUT HIGH VOLTAGE
13	HEERAPURA-MERTA 1	400	NR	REVPNL	29.11.16	2002	STILL OUT HIGH VOLTAGE
14	FATEHABAD-HSAR 1	400	NR	PGCIL	29.11.16	2028	STILL OUT HIGH VOLTAGE
15	HSAR-KATHAL 1	400	NR	PGCIL	29.11.16	2028	STILL OUT HIGH VOLTAGE
16	AGRA-AMER SOUTH	400	NR	PGCIL	29.11.16	2037	STILL OUT HIGH VOLTAGE
17	BHIVANDI-NHEEMANA 1	400	NR	PGCIL	29.11.16	2039	STILL OUT HIGH VOLTAGE
17	AGRA-BHIVANDI 2	400	NR	PGCIL	29.11.16	2040	STILL OUT HIGH VOLTAGE
19	KURUKSHETRA-PG-SONEPAT 1	400	NR	PGCIL	29.11.16	2114	STILL OUT HIGH VOLTAGE
20	CHAMBRA PGC-JALANDHAR 1	400	NR	PGCIL	29.11.16	2047	STILL OUT HIGH VOLTAGE
21	MAKHRI-MUKATSAR 1	400	NR	PSEB	29.11.16	2053	STILL OUT HIGH VOLTAGE
22	BALLABHAGH-KANUR 1	400	NR	PGCIL	29.11.16	2057	STILL OUT HIGH VOLTAGE
23	AMRITSAR-PG-AKSHIP(PS)B-1	400	NR	PSEB	29.11.16	2056	STILL OUT HIGH VOLTAGE
24	BHIVANDI-HSAR	400	NR	PGCIL	29.11.16	2124	STILL OUT HIGH VOLTAGE
25	NALLAGORHPG-RAMPUR(S)PNL-1	400	NR	PGCIL	29.11.16	2139	STILL OUT HIGH VOLTAGE
26	AMRITSAR-PARB. POK 1	400	NR	PGCIL	29.11.16	2140	STILL OUT HIGH VOLTAGE
27	NALLAGORHPG-PARBATI POOL (PG)	400	NR	PGCIL	29.11.16	2141	STILL OUT HIGH VOLTAGE
28	BACHPAT KATHAL 1	400	NR	PGCIL	29.11.16	2146	STILL OUT HIGH VOLTAGE
29	ABDULL LATIF-PANCHKULA 1	400	NR	PGCIL	29.11.16	2147	STILL OUT HIGH VOLTAGE
30	HAKRISVAL-KARCHAMWANGTDOOP 1	400	NR	JPHYDRO	29.11.16	2147	STILL OUT HIGH VOLTAGE
31	JALANDHAR-SIKAR 1	400	NR	PGCIL	30.11.16	0103	STILL OUT HIGH VOLTAGE
32	PANCHKULA-PATIALA 1	400	NR	PGCIL	30.11.16	0103	STILL OUT HIGH VOLTAGE
33	HSAR-TALWANDI SABO 1	400	NR	PSEB	30.11.16	0633	STILL OUT HIGH VOLTAGE
34	AMRITSAR-MAKHRI 2	400	NR	PSEB	30.11.16	0856	STILL OUT HIGH VOLTAGE
35	AGRA-SIKAR 1	400	NR	PGCIL	30.11.16	0940	STILL OUT HIGH VOLTAGE
36	BALLABHAGH-MAINPURI 1	400	NR	PGCIL	30.11.16	0941	STILL OUT HIGH VOLTAGE
37	FATEHABAD-MANPURI 1	400	NR	PGCIL	30.11.16	0943	STILL OUT HIGH VOLTAGE
38	HSAR-PANCHKULA 1	400	NR	PGCIL	30.11.16	2000	STILL OUT HIGH VOLTAGE
39	BHIVANDI-HSAR 2	400	NR	PGCIL	30.11.16	2007	STILL OUT HIGH VOLTAGE
40	BACHPAT KATHAL 1	400	NR	PGCIL	30.11.16	2149	STILL OUT HIGH VOLTAGE
41	BALLABHAGH-BAMNALLI 2	400	NR	DTL	30.11.16	2298	STILL OUT HIGH VOLTAGE
WR							
1	DURG-KOTRA-1	765	WR	PGCIL	24.11.16	0117	STILL OUT HIGH VOLTAGE
2	DHARAMNAGAR-PG-JABALPUR(PS)-II	765	WR	PGCIL	27.11.16	1333	STILL OUT HIGH VOLTAGE
3	BHACHALPUR-ESSAR VADINARGETCO-II	400	WR	PGCIL	08.10.16	0635	STILL OUT HIGH VOLTAGE
4	BHACHALPUR-ESSAR VADINARGETCO-I	400	WR	PGCIL	08.10.16	0635	STILL OUT HIGH VOLTAGE
5	CHHREGAN-LILWANA-SC-1	400	WR	MPPCL	28.11.16	1934	STILL OUT HIGH VOLTAGE
6	SFR-KUMHARJI	400	WR	MPPCL	28.11.16	2212	STILL OUT HIGH VOLTAGE
7	AUNKARWADI-WARDHA 2	765	WR	PGCIL	30.11.16	0107	STILL OUT HIGH VOLTAGE
8	KOLHAPUR-MAPSUA 2	400	WR	PGCIL	30.11.16	1822	STILL OUT HIGH VOLTAGE
9	KANSABADVADAVI 1	400	WR	PGCIL	30.11.16	1908	STILL OUT HIGH VOLTAGE
10	KHANDWA-KAGHARI 2	400	WR	PGCIL	30.11.16	1924	STILL OUT HIGH VOLTAGE
11	KARAD-KOLHAPUR 2	400	WR	MSETCL	30.11.16	2005	STILL OUT HIGH VOLTAGE
12	DHULE-SARDAR SAROVAR 2	400	WR	MSETCL	30.11.16	2004	STILL OUT HIGH VOLTAGE
ER							
1	TALA-BINAGURI-IV	400	ER	PGCIL	01.11.16	1329	STILL OUT HIGH VOLTAGE
2	CHURHA-BIRPARKA 1	220	ER	PGCIL	29.11.16	2255	STILL OUT HIGH VOLTAGE
3	BINAGURI-BONGARAJON 4	400	ER	PGCIL	30.11.16	2255	STILL OUT HIGH VOLTAGE
SR							
1	VEMAGRI-GVK 1	400	SR	APTRANSCO	01.11.16	1236	STILL OUT HIGH VOLTAGE
2	VEMAGRI-GAUGHAMI 2	400	SR	APTRANSCO	03.11.16	1617	STILL OUT HIGH VOLTAGE
3	SATTENPALLY-SRSALAM-II	400	SR	APTRANSCO	05.11.16	1916	STILL OUT HIGH VOLTAGE
4	KUDG-TUMKUR-4	400	SR	PGCIL	09.11.16	2129	STILL OUT HIGH VOLTAGE
5	SRSALAM-SHANKARPALLY	400	SR	APTRANSCO	11.11.16	0239	STILL OUT HIGH VOLTAGE
6	SURYAPET-MALKARAM	400	SR	APTRANSCO	12.11.16	2226	STILL OUT HIGH VOLTAGE
7	PUGALUR-KARAKUDI 2	400	SR	PGCIL	15.11.16	2213	STILL OUT HIGH VOLTAGE
8	KURNOOL-NFS-I	765	SR	PGCIL	15.11.16	1508	STILL OUT HIGH VOLTAGE
9	VTPS STH-IV-MALKARAM	400	SR	APTRANSCO	15.11.16	2213	STILL OUT HIGH VOLTAGE
10	MAHBOOBNAGAR-URAVAKONDA 1	400	SR	PGCIL	17.11.16	2029	STILL OUT HIGH VOLTAGE
11	MAHABOOB NAGAR-URAVAKONDA 2	400	SR	PGCIL	23.11.16	2349	STILL OUT HIGH VOLTAGE
12	GUTTUR-NAENDRA-I	400	SR	PGCIL	23.11.16	2154	STILL OUT HIGH VOLTAGE
13	VTPS IV-SATTENPALLY-II	400	SR	APTRANSCO	26.11.16	0950	STILL OUT HIGH VOLTAGE
14	HYDRABAD-KURNOOL	400	SR	PGCIL	29.11.16	2253	STILL OUT HIGH VOLTAGE
15	URAVAKONDA-JAMALAMADIGU 2	400	SR	APTRANSCO	29.11.16	1858	STILL OUT HIGH VOLTAGE
NER							
1	BALIPARA-BNC-II	400	NER	PGCIL	30.11.16	0617	STILL OUT HIGH VOLTAGE
LINE/SECTOR							
CENTRAL SECTOR							
1	ATHENA-KOTRAPPS-I	400	WR	PGCIL	30.04.16	2202	STILL OUT Y-PHASE DEUT RELAY OPERATE AT ATHENA. PROVISION OF DEUT RELAY AT ATHENA AND SETTINGS ARE BEING CHECKED AT ATHENA. DEUT RELAY AT PARBEV FOR TESTING AND CREWING WORKS KEPT OUT AFTER P.C.
2	ATHENA-KOTRAPPS-II	400	WR	PGCIL	01.05.16	1146	STILL OUT TOWER TILTED DUE TO LANDSLIDE
3	MARIANI-MOKKCHUNG-II	220	NER	PGCIL	12.07.16	0111	STILL OUT TOWER COLLAPSED AT LOC NO. 51
4	PATNA-KISANGANGI-DC	400	ER	PGCIL	26.07.16	1200	STILL OUT Y-PHASE
5	BHANSARIA-BHANSARIA-I & II	400	ER	PGCIL	23.08.16	0651	STILL OUT THE NBPUL TESTING IS COMPLETED SO THE LINE IS KEPT OPEN
6	BINA(PG)-NBPUL(BINA)-SC	400	WR	PGCIL	21.10.16	1811	STILL OUT LINE SWAP
7	KURNOOL-THIRUVALLAM-2	765	SR	PGCIL	07.11.16	1100	STILL OUT LINE RECTIFICATION WORK
8	KHANDWA-BHITUL	400	WR	PGCIL	26.11.16	1951	STILL OUT Y-PHASE BREAKER OF PHASE FAILED
9	SASARAM-PDC	500	ER	PGCIL	28.11.16	3908	STILL OUT AUTOWELECT-COORDINATING
10	KAKA-GUTTUR 1	400	SR	PGCIL	30.11.16	000000	STILL OUT
STATE SECTOR							
1	MEDRAMUNDAL-MENDHASAL-SC	400	ER	OPTCL	24.05.16	1720	STILL OUT TOWER COLLAPSED NEAR TO MENDHASAL
2	GUYA-BHEER-DC	220	ER	BSB	27.05.16	3121	STILL OUT TOWER COLLAPSED
3	WARIYA-BIHASNAGAR-II	220	ER	WSETCL	10.09.16	1046	STILL OUT TRIPPED ON LN FAULT
4	SATNA(PG)-MAHARAMP/SC	220	WR	MSETCL	26.10.16	1946	STILL OUT KEPT OPEN AT MAHARAMP END AS PER M/P REQUIREMENT
5	BAMNALLI-JATKARA-I	400	NR	DTL	22.05.16	2029	STILL OUT PHASE TO EARTH FAULT TOWER DAMAGE
6	HEERAPURA-PHAGE-I	400	NR	REVPNL	27.11.16	0102	STILL OUT PH TO EARTH FAULT
7	JANAK KALINDHRI -1	400	NR	REVPNL	28.11.16	0959	STILL OUT PHASE TO EARTH FAULT
8	AKAL-JODHPUR-II	400	NR	REVPNL	29.11.16	1640	STILL OUT PHASE TO EARTH FAULT R PHASE
9	KHAMMAM-KALPARKA-I	400	SR	APTRANSCO	30.11.16	1145	STILL OUT RETROFITTING OF DISTANCE RELAY
10	MUKHTASAR-TALWANDI SABO 2	400	NR	PSEB	30.11.16	0714	STILL OUT
11	ANPARA-SARNATH-2	400	NR	ERTCL	30.11.16	1857	STILL OUT OPEN ON POWER REGULATION
12	HEERAPURA	400	NR	BHMR	30.11.16	2107	STILL OUT
13	HEERAPURA-BINDAIN-2	400	NR	REVPNL	30.11.16	2107	STILL OUT
LINE/SECTOR							
CENTRAL SECTOR							
1	SHANDEVA-BHITUL-II	400	WR	PGCIL	27.09.16	1109	STILL OUT LINE RECTIFICATION WORKS
2	SHANDEVA-PG-NBPURE-PG-I	400	WR	PGCIL	18.11.16	1230	STILL OUT PAINTING WORK
3	SHANDEVA-PG-INDIRE-PG-II	400	WR	PGCIL	18.11.16	1230	STILL OUT PAINTING WORK
4	KURUKSHETRA-SONEPAT 2	400	NR	PGCIL	25.11.16	1234	STILL OUT ISOLATOR STUCK AT KURUKSHETRA END
7	NELLORE-SPDR	400	SR	PGCIL	29.11.16	0917	STILL OUT ANNUAL MAINTENANCE
STATE SECTOR							
1	JAMALAMADIGU-KURNOOL 2	400	SR	APTRANSCO	23.11.16	0952	STILL OUT CONSTRUCTION WORK
2	KHAMMAM-KTPI-1	400	SR	APTRANSCO	23.11.16	0810	STILL OUT CONSTRUCTION WORK
3	LONKHAND KOYNA-IV-1	400	WR	MSETCL	19.11.16	0714	STILL OUT CONSTRUCTION WORK
SYSTEM CONSTRAINTS							
1	SEELAPUR-NAGAR-I	400	WR	PGCIL	26.11.16	0753	STILL OUT TO CONTROL L1 ON BINA/SALJOUR
STATE SECTOR							
1	CHELLUR-BHITUL-I	220	ER-SR	OPTCL	27.08.15	0141	STILL OUT WELL CHARGED
2	AUNKARWADI-BHILARI-ESHWAR-I	400	WR	MSETCL	10.09.16	1134	STILL OUT TO CONTROL L1 ON BINA/SALJOUR

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

Date of Reporting: 01.12.2016

	Station Name	Fuel Type	Installed Capacity (MW)	UNITS		Average Declared Capacity	Average Schedule	Less Requisition	
				S/D	Fuel Shortage				
NR	ANTA	GAS	419			0	0	0	
		RLNG				0	0	0	
		LF				409	1	408	
		Total				409	1	408	
	AURAIYA	GAS	663			0	0	0	
		RLNG				0	0	0	
		LF				625	1	625	
		Total				625	1	625	
	DADRI	GAS	830			337	296	41	
		RLNG				0	0	0	
		LF				405	0	405	
		Total				742	296	446	
	NR TOTAL		1912			1776	297	1479	
WR	KAWAS	GAS	656			296	220	77	
		NAPM				173	62	112	
		LF				0	0	0	
		RLNG				180	0	180	
		Total		0	0	650	281	369	
	GANDHAR	GAS	657			296	258	38	
		NAPM				242	98	145	
		RLNG				244	0	244	
		Total		0	0	783	356	427	
	RGPPL	GAS	1967			104	14	89	
		RLNG				0	0	0	
		RLNG-EBID				546	482	65	
		Total		0	0	650	496	154	
		WR TOTAL		3280	0	0	2083	1134	949

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: 01.12.16

Northern Region

	24.11.16 TO 30.11.16	24.11.15 TO 30.11.15	% Increase
Peak Demand	38822	37075	4.7
Peak Shortage	621	1620	-61.7
Energy Met	799	783	2.0
Hydro	106	120	-11.9
Wind	4	9	-53.3

Eastern Region

	24.11.16 TO 30.11.16	24.11.15 TO 30.11.15	% Increase
Peak Demand	16294	16858	-3.3
Peak Shortage	158	103	52.8
Energy Met	306	332	-7.8
Hydro	29	22	31.4
Wind	-	-	-

Western Region

	24.11.16 TO 30.11.16	24.11.15 TO 30.11.15	% Increase
Peak Demand	44923	42348	6.1
Peak Shortage	22	148	-85.2
Energy Met	1013	984	2.9
Hydro	52	29	78.2
Wind	18	27	-33.9

North-Eastern Region

	24.11.16 TO 30.11.16	24.11.15 TO 30.11.15	% Increase
Peak Demand	2266	2228	1.7
Peak Shortage	48	63	-23.6
Energy Met	38	37	2.2
Hydro	11	9	21.8
Wind	-	-	-

Southern Region

	24.11.16 TO 30.11.16	24.11.15 TO 30.11.15	% Increase
Peak Demand	36782	31123	18.2
Peak Shortage	55	814	-93.3
Energy Met	850	692	22.8
Hydro	26	40	-36.1
Wind	16	12	33.2

All India Summary

	24.11.16 TO 30.11.16	24.11.15 TO 30.11.15	% Increase
Peak Demand	139088	129633	7.3
Peak Shortage	903	2748	-67.1
Energy Met	3005	2828	6.3
Hydro	224	221	1.4
Wind	37	47	-20.5
Gen Outage	64357	56319	14.3

All India Frequency Profile

Date	<49.7		49.7-49.8		AVE. Freq.	FVI
	30.11.16	30.11.15	30.11.16	30.11.15	30.11.16	30.11.16
NEW GRID	2.2	0.0	7.9	0.2	49.94	0.131
SR GRID	2.2	0.0	7.9	0.2	49.94	0.131

Date	49.8-49.9		<49.9		49.9-50.05		>50.05	
	30.11.16	30.11.15	30.11.16	30.11.15	30.11.16	30.11.15	30.11.16	30.11.15
NEW GRID	18.06	11.74	28.16	11.9	62.27	68.63	9.57	19.48
SR GRID	18.06	11.74	28.16	11.9	62.27	68.63	9.57	19.48

2). Market Data (Power Exchange)

For Date: 01.12.16

Volume

Exchange	Provisional (MUs)	Final (MUs)
PXI	2.54	2.02
IEX	95.88	96.10
Total	98.42	98.12

Congestion

Link	Time Block
ER-SR	01-80, 83-88, 93-96
SR DRAWAL	01-80, 83-88, 93-96
WR-SR	01-96
ER-NR	NIL
NR DRAWAL	01-96
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 30.11.2016

Date of Reporting : 01.12.2016



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
37042	831	37873	50.05	28147	366	28513	50.06	756.27	34.38

* 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	27.75	10.00	1.18	38.92	48.80	48.26	-0.54	87.18	0.00
Haryana	24.12	0.39	0.00	24.51	84.34	87.92	3.58	112.43	0.15
Rajasthan	113.90	3.81	7.61	125.31	71.96	72.57	0.61	197.88	3.78
Delhi	8.82		0.00	8.82	43.41	43.84	0.43	52.66	0.49
UP	121.74	7.61	0.00	129.35	84.37	82.08	-2.30	211.42	19.36
Uttarakhand		7.99	0.00	14.36	14.26	16.91	2.65	31.27	1.57
HP		3.80	1.72	5.52	18.31	18.61	0.29	24.13	0.02
J & K		5.22	0.00	5.22	34.22	30.83	-3.39	36.05	9.01
Chandigarh				0.00	3.37	3.25	-0.12	3.25	0.00
Total	296.32	38.81	10.50	352.01	403.05	404.26	1.22	756.27	34.38

* 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	4558	0	12	-774	3336	0	34	-444	4588	20:00	0
Haryana	5648	200	-89	-147	3223	0	-12	-223	5648	19:00	200
Rajasthan	8511	67	-49	307	7948	0	61	557	10074	8:00	0
Delhi	2875	0	11	-355	1390	0	-47	-521	2913	11:00	0
UP	10918	110	-510	-197	8997	0	3	124	10918	19:00	110
Uttarakhand	1656	75	63	-49	978	0	-3	224	1679	7:00	0
HP	1186	0	-23	73	729	0	-4	369	1305	8:00	0
J&K	1516	379	-246	602	1463	366	-208	748	1772	7:00	443
Chandigarh	175	0	-26	-30	83	0	1	-30	178	8:00	0
Total	37042	831	-857	-570	28147	366	-174	803	37042	19:00	831

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

Diversity is 1.05

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	1849	1823	1895	43.74	1822	43.28	0.46
	Rihand I STPS (2*500)	1000	946	1015	748	21.35	889	21.28	0.07
	Rihand II STPS (2*500)	1000	948	1014	767	21.76	907	21.17	0.59
	Rihand III STPS (2*500)	1000	948	1021	752	21.52	897	20.95	0.57
	Dadri I STPS (4*210)	840	815	221	151	4.60	192	4.91	-0.31
	Dadri II STPS (2*490)	980	980	509	353	10.43	435	10.92	-0.49
	Unchahar I TPS (2*210)	420	360	384	270	7.78	324	8.05	-0.27
	Unchahar II TPS (2*210)	420	404	434	285	8.57	357	8.87	-0.29
	Unchahar III TPS (1*210)	210	202	216	149	4.32	180	4.51	-0.20
	ISTPP (Jhajjhar) (3*500)	1500	1440	1075	747	20.63	860	21.06	-0.43
	Dadri GPS (4*130.19+2*154.51)	830	742	396	229	6.54	272	7.12	-0.59
	Anta GPS (3*88.71+1*153.2)	419	409	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	625	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	1	0	0	0.02	1	0.02	-0.01
	Singrauli Solar(15)	15	2	0	0	0.04	2	0.04	-0.01
	KHEP(4*200)	800	865	857	433	3.14	131	2.89	0.26
Sub Total (A)	12112	11537	8965	6779	174	7268	175	-0.65	
B. NPC	NAPS (2*220)	440	402	436	445	9.64	402	9.65	0.00
	RAPS- B (2*220)	440	381	424	427	9.14	381	9.14	0.00
	RAPS- C (2*220)	440	220	236	234	5.00	208	5.28	-0.28
	Sub Total (B)	1320	1003	1096	1106	23.79	991	24.07	-0.29
C. NHPC	Chamera I HPS (3*180)	540	540	557	0	2.20	92	1.90	0.30
	Chamera II HPS (3*100)	300	201	208	0	1.42	59	1.25	0.17
	Chamera III HPS (3*77)	231	231	151	0	0.73	31	0.69	0.04
	Bairasuli HPS(3*60)	180	120	122	0	0.56	23	0.50	0.06
	Salal-HPS (6*115)	690	98	300	30	2.87	120	2.36	0.52
	Tanakpur-HPS (3*31.4)	94	25	29	32	0.79	33	0.59	0.19
	Uri-I HPS (4*120)	480	79	230	46	2.25	94	1.89	0.36
	Uri-II HPS (4*60)	240	56	120	39	1.45	60	1.35	0.10
	Dhauliganga-HPS (4*70)	280	210	210	0	1.14	48	1.05	0.09
	Dulhasti-HPS (3*130)	390	383	403	0	3.63	151	3.39	0.24
	Sewa-II HPS (3*40)	120	80	61	0	0.20	9	0.25	-0.04
	Parbati 3 (4*130)	520	200	210	0	0.66	27	0.60	0.06
	Sub Total (C)	4065	2222	2601	147	18	746	16	2.07
	D.SJVNL	NJPC (6*250)	1500	1610	1252	0	8.36	348	8.21
Rampur HEP (6*68.67)		412	442	375	0	2.37	99	2.29	0.09
Sub Total (D)		1912	2052	1627	0	10.73	447	10.49	0.24
E. THDC	Tehri HPS (4*250)	1000	1075	1069	0	8.40	350	8.00	0.40
	Koteshwar HPS (4*100)	400	105	201	91	2.64	110	2.54	0.10
	Sub Total (E)	1400	1180	1270	91	11.03	460	10.54	0.49
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	567	989	361	13.94	581	13.60	0.34
	Dehar HPS (6*165)	990	148	495	145	3.68	153	3.56	0.12
	Pong HPS (6*66)	396	184	396	132	4.66	194	4.43	0.23
	Sub Total (F)	2765	899	1880	638	22.28	928	21.58	0.70
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.61	25	0.58	0.04
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	4.53	189	4.27	0.27
	Malana Stg-II HPS (2*50)	100	0	0	0	0.26	11	0.24	0.02
	Shree Cement TPS (2*150)	300	0	-1	-1	-0.05	-2	0.00	-0.05
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.22	9	0.23	0.00
	Sub Total (G)	1662	0	629	-1	5.58	233	5.31	0.27
H. Total Regional Entities (A-G)	25237	18893	18068	8760	265.73	11072	262.90	2.83	

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	210	140	3.68	153
	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	-0.12	-5
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1
	Rajpura (2*700)	1400	660	330	14.49	604
	Talwandi Saboo (3*660)	1980	335	924	9.73	406
	Thermal (Total)	6560	1205	1394	27.75	1156
	Total Hydro	1000	414	371	10.00	417
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.92	38
	Solar	560	0	0	0.25	11
	Renewable(Total)	848	0	0	1.18	49
	Total Punjab	8408	1619	1765	38.92	1622
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	555	461	12.58	524
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (khardar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	567	370	11.54	481
Thermal (Total)		4497	1122	831	24.12	1005
Total Hydro		62	2	9	0.39	16
Wind Power		0	0	0	0.00	0
Biomass		40	0	0	0.00	0
Solar		0	0	0	0.00	0
Renewable(Total)		40	0	0	0.00	0
Total Haryana		4599	1124	840	24.51	1021
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1160	963	26.51
	suratgarh TPS (6*250)	1500	452	409	10.49	437
	Chabra TPS (4*250)	1000	913	821	21.00	875
	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	149	155	3.84	160
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingar (NLC) (2*125)	250	221	225	5.25	219
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	830	772	18.78	783
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	551	901	17.27	719
	Kawai(Adani) (2*660)	1320	450	454	10.78	449
	Thermal (Total)	8876	4726	4700	113.90	4746
	Total Hydro	550	169	146	3.81	159
	Wind power	4017	116	319	4.84	202
	Biomass	99	8	8	0.18	8
	Solar	1295	5	0	2.58	108
	Renewable/Others (Total)	5411	129	327	7.61	317
Total Rajasthan	14837	5024	5173	125.31	5221	
UP	Anpara TPS (3*210+2*500)	1630	0	1036	7.87	328
	Obra TPS (2*50+2*94+5*200)	1194	346	306	7.10	296
	Paricha TPS (2*110+2*220+2*250)	1160	778	576	17.37	724
	Panki TPS (2*105)	210	144	135	3.44	143
	Harduaganj TPS (1*60+1*105+2*250)	665	440	315	9.54	397
	Tanda TPS (NTPC) (4*110)	440	287	207	6.28	262
	Roza TPS (IPP) (4*300)	1200	826	567	17.63	735
	Anpara-C (IPP) (2*600)	1200	1081	626	7.95	331
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	404	283	8.59	358
	Anpara-D(2*500)	1000	0	584	3.92	164
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	591	377	12.85	535
	Thermal (Total)	12449	4897	5012	102.54	4273
	Vishnuparyag HPS (IPP)(4*110)	440	179	98	2.48	104
	Alaknada(4*82.5)	330	0	0	1.55	65
	Other Hydro	527	254	35	3.57	149
	Cogeneration	981	800	800	19.20	800
	Wind Power	0	0	0	0.00	0
	Biomass	26	0	0	0.00	0
	Solar	102	0	0	0.00	0
	Renewable(Total)	128	0	0	0.00	0
Total UP	14855	6130	5945	129.35	5389	
Uttarakhand	Other Hydro	1250	559	197	7.99	333
	Total Gas	225	278	236	6.34	264
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.04	2
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.04	2
	Total Uttarakhand	1802	837	433	14.36	598
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	63	47	1.54	64
	Pragati Gas Turbine (2x104+ 1x122)	330	137	266	3.57	149
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	298	280	3.71	154
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	498	593	8.82	368
	Wind Power	0	0	0	0.00	0
	Biomass	16	0	0	0.00	0
	Solar	2	0	0	0.00	0
	Renewable(Total)	18	0	0	0.00	0
Total Delhi	2935	498	593	8.82	368	

HP	Baspa HPS (IPP) (3*100)	300	0	0	1.40	58
	Malana HPS (IPP) (2*43)	86	0	0	0.32	13
	Other Hydro	372	101	40	2.08	87
	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	80	67	1.72	72
	Renewable(Total)	486	80	67	1.72	72
	Total HP	1244	181	107	5.52	230
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	102	102	2.45
Other Hydro/IPP(including 98 MW Small Hydro)		308	137	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
Renewable(Total)		98	0	0	0.00	0
Total J & K		1398	239	195	5	217
Total State Control Area Generation		50078	15652	15051	352.01	14667
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		5613	7284	172.98	7208	
Total Regional Availability(Gross)	75315	39333	31095	790.72	32947	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8865	1309	70.48	2937
State Control Area Hydro	7163	2275	1394	40.54	1954
Total Regional Hydro	19397	11140	2703	111.02	4891

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	7356	209	394	10.54	439
Total Regional Renewable	7386	209	394	10.61	442

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	500	500	3.81	3.77	0.04
765 KV Gwalior-Agra (D/C)	2354	2218	2808	0	58.52	0.00	58.52
400 KV Zerda-Kankroli	-18	-89	34	-171	0.00	1.85	-1.85
400 KV Zerda-Bhinmal	70	-12	190	154	0.25	0.00	0.25
220 KV Auraiya-Malanpur	-43	-110	0	120	0.00	2.07	-2.07
220 KV Badod-Kota/Morak	-53	-34	0	138	0.00	1.47	-1.47
Mundra-Mohindergarh(HVDC Bipole)	1249	1200	1404	0.00	29.65	0.00	29.65
400 KV RAPP- Sujalpur	-400	-387	559	0	8.91	0.00	8.91
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1375	1394	1648	0	35.34	0.00	35.34
Sub Total WR	4034	4680			136.48	9.16	127.32
400 kV Sasaram - Varanasi	59	76	0	82	0.00	0.49	-0.49
400 kV Sasaram - Allahabad	122	135	0	270	0.00	3.61	-3.61
400 KV MZP- GKP (D/C)	-12	527	532	88	5.15	0.00	5.15
400 KV Patna-Balia(D/C) X 2	440	659	979	0	15.45	0.00	15.45
400 KV B'Sharif-Balia (D/C)	142	181	335	0	4.35	0.00	4.35
765 KV Gaya-Balia	337	285	420	0	6.62	0.00	6.62
765 KV Gaya-Varanasi (D/C)	539	613	813	0	15.04	0.00	15.04
220 KV Pusaali-Sahupuri	150	77	241	0	3.21	0.00	3.21
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.00	0.00
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	45	112	209	4	2.34	0.00	2.34
400 KV Barh -GKP (D/C)	372	506	570	0	10.50	0.00	10.50
400 kV B'Sharif - Varanasi (D/C)	65	102	225	0	3.02	0.00	3.02
Sub Total ER	2259	3273			65.67	4.10	61.57
+/- 800 KV Biswanath Charialli-Agra	-680	-669	0	683.00	0.00	15.91	-15.91
Sub Total NER	-680	-669			0.00	15.91	-15.91
Total IR Exch	5613	7284			202.15	29.17	172.98

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
50.69	1.24	51.93	-1.97	-12.58	14.30	1.56	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
64.25	95.23	159.48	45.66	127.32	172.98	-18.59	32.09	13.50

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	-30	-26	0	33	0	1	-0.69

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	2.23	10.10	28.16	73.13	62.27	7.62	1.98	0.00	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						
50.18	6.01	49.54	17.43	49.94	0.131	0.098	0.00	0.00	37.73

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	411	0:00	402	8:17	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	4:01	403	17:39	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	424	2:01	400	12:18	0.0	0.0	15.7	0.0	15.7
Kanpur	400	420	2:01	400	12:18	0.0	0.0	0.0	0.0	0.0
Dadri	400	430	2:01	401	12:10	0.0	0.0	26.5	0.0	26.5
Ballabgarh	400	434	2:02	403	12:18	0.0	0.0	41.0	16.5	41.0
Bawana	400	431	1:00	403	12:12	0.0	0.0	38.6	1.8	38.6
Bassi	400	424	19:43	396	6:15	0.0	0.0	7.1	0.0	7.1
Hissar	400	424	2:02	394	12:19	0.0	0.0	18.5	0.0	18.5
Moga	400	424	0:59	399	12:13	0.0	0.0	22.3	0.0	22.3
Abdullapur	400	428	0:49	398	11:45	0.0	0.0	23.1	0.0	23.1
Nalagarh	400	434	0:52	401	12:19	0.0	0.0	38.5	18.8	38.5
Kishenpur	400	420	1:35	396	11:10	0.0	0.0	0.0	0.0	0.0
Wagoora	400	399	13:01	364	18:15	57.5	84.5	0.0	0.0	57.5
Amritsar	400	433	4:00	406	8:46	0.0	0.0	42.2	13.0	42.2
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	428	0:55	397	11:14	0.0	0.0	46.7	0.0	46.7
Rishikesh	400	422	2:01	393	12:18	0.0	0.0	2.5	0.0	2.5

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	776	2:01	745	12:18	0.0	0.0	0.0	0.0	0.0
Balia	765	793	2:00	765	17:40	0.0	0.0	0.0	0.0	0.0
Moga	765	806	21:28	758	12:11	0.0	0.0	5.7	0.0	5.7
Agra	765	792	19:43	753	22:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	811	1:59	763	12:12	0.0	0.0	25.9	0.0	25.9
Unnao	765	776	2:01	743	12:18	0.0	0.0	0.0	0.0	0.0
Lucknow	765	805	2:01	771	12:18	0.0	0.0	14.1	0.0	14.1
Meerut	765	810	20:57	761	12:18	0.0	0.0	6.7	0.0	6.7
Jhatikara	765	811	4:00	758	12:18	0.0	0.0	21.5	0.0	21.5
Bareilly 765 kV	765	799	2:00	757	12:18	0.0	0.0	0.0	0.0	0.0
Anta	765	800	21:01	718	14:47	2.5	2.5	0.0	0.0	2.5
Phagi	765	802	3:59	764	11:56	0.0	0.0	5.8	0.0	5.8

Note : '0' in Max / Min Col -> 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 ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	495.01	903.28	506.45	1382.01	146.74	429.71
Pong	426.72	384.05	411.67	555.85	415.47	693.24	45.70	297.44
Tehri	829.79	740.04	817.25	947.00	811.90	840.00	42.89	188.00
Koteswar	612.50	598.50	611.09	5.10	610.92	4.95	188.00	173.57
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	54.81	59.20
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	509.46	3.62	506.62	1.39	58.02	130.86

* 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	-447	2	0	-455	-319	0	-13.49	-0.64	-14.14
Delhi	-189	-332	0	-261	-94	0	-7.47	-2.53	-10.01
Haryana	-593	369	0	-327	180	0	-10.16	5.13	-5.03
HP	293	76	0	199	-127	0	7.96	-1.47	6.48
J&K	352	396	0	349	253	0	8.68	4.23	12.92
CHD	-30	0	0	-30	0	0	-0.36	0.00	-0.36
Rajasthan	-7	564	0	-7	314	0	4.42	13.60	18.02
UP	124	0	0	-97	-100	0	-6.81	-1.14	-7.95
Uttarakhand	147	78	0	0	-49	0	1.00	1.03	2.03
Total	-349	1153	0	-629	59	0	-16.24	18.20	1.96

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-447	-717	35	-404	0	0
Delhi	-138	-502	85	-390	0	-10
Haryana	-179	-630	376	-95	0	0
HP	471	199	114	-532	0	0
J&K	410	303	396	-51	0	0
CHD	0	-30	0	0	0	0
Rajasthan	452	-7	1718	25	0	0
UP	151	-773	0	-100	0	0
Uttarakhand	147	0	337	-146	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	12.85%
ER	0.00%
Simultaneous	38.89%

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

WR	41.67%
ER	0.00%
Simultaneous	80.21%

(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	0	11
Haryana	6	37
Rajasthan	4	26
Delhi	2	13
UP	1	14
Uttarakhand	4	25
HP	1	14
J & K	2	24
Chandigarh	5	29

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 30.11.2016 :
Normal

XVI. Synchronisation of new generating units :

XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
#REF!

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.



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

सामं 20:00 बजे/ 20:00 hrs			रात्री 03:00 बजे /03:00 hrs			दैनिक उर्जा / Day Energy		अंतर-क्षेत्रीय आयात-निर्यात /Inter-regional Exchange		
उपलब्धता / Demand Met (MW)	अभाव / Shortage (MW)	मांग/ Requirement (MW)	उपलब्धता / Demand Met (MW)	अभाव / Shortage (MW)	मांग/ Requirement (MW)	उपलब्धता/ Demand (MU)	अभाव/ Shortage (MU)	सिड्यूस/ Schedule (MU)	वास्तविक/ Actual (MU)	विचलन/ Deviation (MU)
45631	59	45690	36938	0	36938	1021	1	-156.6	-170.8	-14.2

2. फ्रिक्वेंसी प्रोफाइल / Frequency Profile

तत्कालिक/ Instantaneous			फ्रिक्वेंसी प्रकारंतर 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
50.18	49.54	49.94	0.131	0.00	2.23	28.16	73.13	62.27	9.57	1.98
06:01	17:43									

Percentage of Time Frequency Remained outside IEGC Band

37.7% Percentage

Nos of hours frequency remained outside IEGC Band

9.1 Hours

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

राज्य / क्षेत्र State/Area	शुद्ध उत्पादन/ Net Generation (MU)					ग्रिड से शुद्ध आयात/ Net Drawal from Grid (MU)			खपत/ Consumption (in MU)	अभाव/ Shortage* (in MU)
	तापीय/ Thermal	जलीय/ Hydro	पवन/ Wind	सौर-अन्य / Solar-Others	कुल/ Total	सिड्यूस/ Schedule	वास्तविक/ Actual	अन्वेषण/ अतिमान / Deviation		
गुजरात / Gujarat	162.2	3.3	2.5	5.0	173.0	103.7	101.3	-2.4	274.2	0.5
मध्य प्रदेश/ Madhya Pradesh	65.8	19.4	0.3	3.9	89.3	132.7	129.3	-3.4	218.6	0.0
छत्तीसगढ़/ Chattisgarh	57.4	0.1	0.0	0.0	57.5	7.9	6.4	-1.5	64.0	0.0
महाराष्ट्र/ Maharashtra	277.7	24.7	3.4	1.2	307.1	122.9	120.1	-2.8	427.2	0.0
गोवा/ Goa	0.6	0.0	0.0	0.0	0.6	7.9	7.7	-0.2	8.3	0.0
दमन-ड्यू/ Daman & Diu	0.0	0.0	0.0	0.0	0.0	6.2	6.1	-0.1	6.1	0.0
दादरा नगर हवेली/ Dadra & Nagar Haveli	0.0	0.0	0.0	0.0	0.0	15.8	15.4	-0.45	15.4	0.0
एस्सर स्टील/ Essar Steel	0.0	0.0	0.0	0.0	0.0	6.6	6.8	0.2	6.8	0.0
पश्चिम क्षेत्रीय / Western Regional	563.7	47.5	6.2	10.1	627.5	403.8	393.2	-10.6	1020.7	0.5

Note: Shortage as reported by respective entities

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

4. राज्य अथवा क्षेत्र में उर्जा कूल उपलब्धता / State's Demand Met

राज्य / क्षेत्र State/Area	सामं 20:00 बजे/ 19:00 hrs		रात्री 03:00 बजे /03:00 hrs		दैनिक शिखर Day Peak			विचलन/ Deviation in 15-minute time block		
	उपलब्धता / Demand Met (MW)	अभाव / Shortage	उपलब्धता / Demand Met (MW)	अभाव / Shortage	उपलब्धता Max Demand Met / बजे Time (MW)	अभाव / Shortage	औसत/ Average (MW)	अधिकतम/ Maximum (MW)	न्यूनतम/ Minimum (MW)	
गुजरात / Gujarat	11856	0	10551	0	12724	11.00	0	111	592	-363
मध्य प्रदेश/ Madhya Pradesh	9015	16	7838	0	10843	9.00	0	-98	175	-537
छत्तीसगढ़/ Chattisgarh	2975	5	2221	0	2975	19.00	0	2	326	-301
महाराष्ट्र/ Maharashtra	19716	35	14515	0	20129	11.00	0	48	590	-1098
गोवा/ Goa	409	1	284	0	409	19.00	0	-39	31	-106
दमन-ड्यू/ Daman & Diu	274	0	245	0	274	19.00	0	-11	1	-26
दादरा नगर हवेली/ Dadra & Nagar Haveli	681	1	639	0	684	20.00	0	-23	12	-61
एस्सर स्टील/ Essar Steel	705	1	644	0	741	5.00	0	6	160	-178
पश्चिम क्षेत्रीय / Western Regional	45631	59	36938	0						

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

स्टेशन / Station	संस्थापित क्षमता/ Installed Capacity	घोषित क्षमता/ ON Bar Declared Capability (Maximum)	वास्तविक उत्पादन/ Actual Generation (Ex-bus)			दैनिक उत्पादन / Day Generation (Ex-bus)			विचलन/ Deviation in 15-minute time block	
			शिखर समय / Peak hour (Avg 15 min)	ऑफ-पीक / Off-Peak hour (Avg 15 min)	औसत/ Day Average	सिड्यूस/ Schedule	वास्तविक/ Actual	विचलन/ Deviation	अधिकतम/ Maximum	न्यूनतम/ Minimum
कोरबा / Korba-I&II	2100	1920	1905	1629	1839	42.4	44.1	1.7	255	-18
कोरबा / Korba-III	500	425	464	294	420	8.8	10.1	1.3	117	-11
विंध्याचल / Vindhyachal-I	1260	956	1007	613	914	19.6	21.9	2.3	268	45
विंध्याचल / Vindhyachal-II	1000	943	1055	749	986	20.9	23.7	2.7	268	37
विंध्याचल / Vindhyachal-III	1000	970	1005	728	919	20.0	22.1	2.1	207	-41
विंध्याचल / Vindhyachal-IV	1000	965	941	627	841	19.3	20.2	0.9	124	-68
सीपात / Sipat-I	1980	1900	1838	1375	1796	41.8	43.1	1.3	325	-60
सीपात / Sipat-II	1000	955	967	712	903	21.1	21.7	0.5	108	-47
मोंदा / Mondra-I	1000	472	458	291	381	9.3	9.2	-0.1	92	-89
सान्सा / Sasan	3960	3080	3042	2775	3059	71.5	73.4	1.9	293	-15
मूंदरा / Mundra	4150	2950	2898	2388	2898	69.9	69.6	-0.4	195	-92
एन एस पी सी एल / NSPCL	500	465	459	290	374	8.3	9.0	0.7	76	-3
ककरापार/Kakrapar	440	0	-2	-3	-2	0.0	0.0	0.0	-2	-3
तारापुर / Tarapur-I	320	0	281	281	281	7.2	6.7	-0.5	0	-22
तारापुर / Tarapur-II	1080	0	971	977	973	23.1	23.4	0.2	70	2
कवास/ Kawas	656	335	332	301	291	6.6	7.0	0.3	70	-82
गंधार/ Gandhar	657	440	396	321	361	8.4	8.7	0.2	170	-48
ई-बोली/E-Bid RGPPL	1000	570	571	477	522	11.8	12.5	0.7	155	-27
सदर सरोवर प्रोजेक्ट / SSP	1450	140	132	125	130	3.3	3.1	-0.1	6	-16

शुद्ध / Total	25053	17485	18720	14950	17888	413.4	429.3	15.9	
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Note:Source SCADA

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

स्टेशन/ Station	संस्थापित क्षमता/ Installed Capacity	वास्तविक उत्पादन/ Actual Generation (Ex-bus)			दैनिक उत्पादन / Day Generation (Ex-bus)			विचलन/ Deviation in 15-minute time block	
		शिखर समय / Peak hour(Avg 15 min)	Off-Peak hour (Avg 15 min)	औसत/ Day Average	सैड्यूल/ Schedule	वास्तविक/ Actual	विचलन/ Deviation	अधिकतम/ Maximum	न्यूनतम/ Minimum
		Effective MW	(MW)	(MW)	(MW)	(MU)	(MU)	(MU)	(MW)
एस्सार महान/ Essar Mahan	600	322	328	324	7.8	7.8	0.0	9	-14
वंदना विद्युत / Vandana Vidut	135	0	0	0	0.0	0.0	0.0	0	0
बालको/ Balco	1200	399	406	399	10.1	9.6	-0.5	26	-99
जे पी नीगरी/ JP Nigrie	1320	0	760	661	15.7	15.9	0.1	124	-732
लंको /Lanco	600	465	355	466	10.7	11.2	0.5	81	-86
के एस के / KSK Mahnadi	1200	554	526	547	13.1	13.1	0.1	26	-18
जिंदल/Jindal Stg-1	1000	428	326	422	9.9	10.1	0.2	85	-62
जिंदल/Jindal Stg-2	1800	518	467	548	12.8	12.8	0.0	49	1
डी सी पी पी / DCPPI	540	19	0	17	0.5	0.4	-0.1	40	-57
कोरबा वेस्ट / Korba West	600	529	374	507	12.2	12.2	0.0	28	-37
डी सी पावर/ DBPower	1200	543	397	425	10.0	10.2	0.2	78	-31
एम्को / EMCO	600	414	217	305	7.2	7.3	0.1	41	-46
ACBIL+ Spectrum+MCPL	620	331	315	321	7.8	7.7	-0.1	38	-25
धारीवाल/ Dhariwal	300	199	136	188	4.5	4.5	0.0	8	-8
एसकेएस / SKS	0	0	0	0	0.0	0.0	0.0	0	0
आरकेएम / RKM	720	0	0	0	0.0	0.0	0.0	0	0
एमबी विद्युत / MB Power	1200	488	496	492	11.3	11.8	0.5	45	-2
डीजेन/ DGEN	1200	-4	-4	-4	0.0	-0.1	-0.1	-3	-4
झाबुआ/ Jhabua	600	0	0	0	0.0	0.0	0.0	0	0
शुद्ध / Total	16805	5507	5406	5935	144.2	145.3	1.0		

Note:Source SCADA

7. अंतर क्षेत्रीय विनिमय / Inter regional Exchange

क्षेत्र / Region		सैड्यूल/ Schedule (MU)	वास्तविक/ Actual (MU)	अधिकतम/ Maximum (MW)
उत्तरी क्षेत्र/ Northern Region	आयात / Import	13.4	6.1	895
	निर्यात / Export	108.7	114.6	6367
	शुद्ध / Net	-95.4	-108.4	
पूर्वी क्षेत्र / Eastern Region	आयात / Import	35.5	19.9	1243
	निर्यात / Export	32.3	8.9	1128
	शुद्ध / Net	3.2	11.0	
दक्षिणी क्षेत्र/ Southern Region	आयात / Import	0.2	0.3	0
	निर्यात / Export	64.7	73.6	3642
	शुद्ध / Net	-64.5	-73.4	
पश्चिम क्षेत्रीय / WR Region	आयात / Import	49.1	26.3	2138
	निर्यात / Export	205.7	197.1	11137
	शुद्ध / Net	-156.6	-170.8	

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

8. वोल्टेज प्रोफाइल / Voltage Profile-
765 kV

उपकेंद्र/ Station	अधिकतम/ Maximum (Instantaneous)		न्यूनतम/ Minimum (Instantaneous)		प्रतिशत समय विभव/ % time voltage			Nos of Hours Voltage remained Outside IEGC Range(VDI) (100-A)*24/100
	केवी / kV	समय/Time	केवी / kV	समय/Time	< 728 kV	IEGC Band (A)	> 800 kV	
सीपत/ Sipat	769	2:02:00	753	10:21:00	0	100	0	0.0
सियोनि/Seoni	785	2:03:00	754	10:15:00	0	100	0	0.0
वर्धा/Wardha	792	2:04:00	760	6:39:00	0	100	0	0.0
बीना/Bina	783	2:02:00	755	10:14:00	0	100	0	0.0
इंदौर/Indore	791	18:55:00	753	7:17:00	0	100	0	0.0
सासन/Sasan	772	22:00:00	756	6:24:00	0	100	0	0.0
सतना/Satna	780	2:08:00	758	6:14:00	0	100	0	0.0
तमनार/Tamnar	793	2:03:00	777	10:15:00	0	100	0	0.0
कोटरा/Kotra	793	2:02:00	777	10:16:00	0	100	0	0.0
वडोदरा / Vadodara	780	18:05:00	765	22:25:00	0	100	0	0.0
दुर्ग/Durg	786	21:54:00	768	6:36:00	0	100	0	0.0

9. वोल्टेज प्रोफाइल / Voltage Profile-
400 kV

उपकेंद्र/ Station	अधिकतम/ Maximum (Instantaneous)		न्यूनतम/ Minimum (Instantaneous)		प्रतिशत समय विभव/ % time voltage			Nos of Hours Voltage remained Outside IEGC Range(VDI) (100-A)*24/100
	केवी / kV	समय/Time	केवी / kV	समय/Time	<380 kV	IEGC Band (A)	> 420 kV	
भोपाल / Bhopal	416	18:53	400	7:18	0	100	0	0.0
खंडवा / Khandwa	422	22:00	401	7:14	0	98	2	0.5
इटारसी / Itarsi	413	18:55	393	7:31	0	100	0	0.0
दमोह / Damoh	419	03:44	403	9:00	0	100	0	0.0
नागदा / Nagda	420	21:58	400	7:28	0	100	0	0.0
रायपुर / Raipur	423	02:00	412	10:06	0	76	24	5.7
रायगढ़ / Raigarh	422.37	02:02	413	10:15	0	65	35	8.4
वर्धा / Wardha	418	00:00	407	06:34	0	100	0	0.0
दुलै / Dhule	427	22:00	398	07:28	0	85	15	3.5
पार्ली / Parli	421	00:02	392	10:51	0	100	0	0.0
बोईसर / Boisar	422	04:33	404	10:14	0	98	2	0.4
असोज / Asoj	418	22:00	401	10:16	0	100	0	0.0
देहगाम / Dehgam	424	22:01	411	10:22	0	74	26	6.3
कासर् / Kasar	419	22:00	412	17:53	0	100	0	0.0
जैतपुर / Jetpur	409	18:02	395	10:17	0	100	0	0.0
अमरेली / Amreli	413	18:44	1	11:21	30	70	0	7.1
वापी / Vapi	420	3:57	401	10:13	0	98	2	0.4
काला/ KALA	406	00:00	406	00:00	0	100	0	0.0
मागारवाड़ा / Magarwara	419	03:01	400	10:14	0	100	0	0.0
हजीरा / Hazira	421	02:14	396	10:24	0	100	0	0.1

10.अनुयायि अनुक्रम / STOA (Bilateral & PX)

STOA	STOA Schedule		19:00 hrs Approval		03:00 hrs Approval	
	BILATERAL	PX	BILATERAL	PX	BILATERAL	PX
	(MU)	(MU)	(MW)	(MW)	(MW)	(MW)
गुजरात / Gujarat	-3.2	14.6	-109	603	-259	407
मध्य प्रदेश / Madhya Pradesh	18.5	-3.6	368	-82	385	-220
छत्तीसगढ़ / Chhattisgarh	-1.6	-2.2	133	-41	157	-41
महाराष्ट्र / Maharashtra	8.1	1.4	316	132	311	-18
गोवा / Goa	0.0	0.2	0	88	0	0
दमन-द्यू / Daman & Diu	0.2	1.1	39	46	0	46
दादरा नगर हवेली / Dadra & Nagar Haveli	0.0	7.3	0	306	0	306
एस्सार स्टील / Essar Steel	6.6	0.0	276	0	276	0

State Generators

स्टेशन / Station	संस्थापित क्षमता / Installed Capacity	वास्तविक उत्पादन / Actual Generation (Ex-bus)			विचलन / Day Peak in 15-minute time block		Day Energy (MU)
		शिखर समय / Peak hour (Avg 15 min)	Off-Peak hour (Avg 15 min)	औसत / Day Average	अधिकतम / Maximum	समय / Time	
		(MW)	(MW)	(MW)	(MW)	hh:mm	
Chhattisgarh							
Bango	120	0	0	2	62	(18:30-18:45)	0.1
DSPM	500	470	396	458	473	(16:45-17:00)	11.0
Korba (E)	440	229	268	260	314	(10:45-11:00)	6.3
Korba(W)	1340	56	108	1	118	(09:45-10:00)	0.0
Marwa	1000	495	495	492	503	(18:00-18:15)	11.8
SOLAR							0.0
WIND							0.0
Gujarat							
Vadinar	1200	-2	374	119	377	(03:15-03:30)	2.9
ALTPS	250	79	79	79	82	(06:15-06:30)	1.9
GIPL	305	0	0	0	0	(00:00-00:15)	0.0
GSEC	156.1	-3	-3	-3	-3	(10:00-10:15)	-0.1
SLPP	500	500	499	497	505	(12:30-12:45)	11.9
UNO SUGEN	361	241	165	211	243	(09:30-09:45)	11.9
ADANI	4620	2789	2806	2817	3025	(05:00-05:15)	67.6
DGBP	215	80	3	32	81	(17:00-17:15)	0.8
GTPS	870	171	170	193	219	(10:30-10:45)	4.6
KADANA	240	57	0	40	58	(07:30-07:45)	11.9
KLTPS	290	197	153	181	199	(22:15-22:30)	4.4
STPS	740	541	373	396	543	(22:45-23:00)	9.5
UKAI (HYDRO)	300	73	77	97	159	(10:15-10:30)	2.3
UKAI (TH)	1350	1083	819	994	1116	(13:00-13:15)	23.9
WTPS	1470	273	171	295	413	(14:15-14:30)	7.1
SUGN TOTAL	1147.5	698	451	625	719	(11:45-12:00)	15.0
UTRAN-2	375	2	1	1	2	(04:00-04:15)	0.0
BARGI HYDRO	90	91	43	49	91	(17:30-17:45)	1.2
SOLAR							5.0
WIND							2.5
Madhya Pradesh							
AMARKANTAK	450	214	214	212	216	(18:45-19:00)	5.1
GANDHI SAGAR	125	98	100	98	101	(01:00-01:15)	2.4
ISP	1000	375	382	338	391	(20:15-20:30)	8.1
JP BINA	500	299	300	301	308	(08:00-08:15)	7.2
OMKARESWAR	520	172	173	159	173	(01:15-01:30)	3.8
RAJGHAT HY	45	0	0	0	0	(00:00-00:15)	0.0
SATPURA (SARNI)	1330	574	402	543	657	(12:15-12:30)	13.0
SGTPS (SANJAY GANDHI)	1340	809	525	734	821	(09:30-09:45)	17.6
SILPARA HY	30	-15	-16	-16	-14	(18:45-19:00)	-0.4
TONS HY	315	253	98	170	286	(17:30-17:45)	4.1
SINGHA JI	1200	808	684	760	957	(10:00-10:15)	18.2
SOLAR							3.9
WIND							0.3
Maharashtra							
DHARIWAL	300	146	146	146	146	(00:15-00:30)	3.5
IB AMRAVATI	1350	0	0	0	0	(00:00-00:15)	0.0
IEPL BELA	270	0	0	0	0	(00:00-00:15)	0.0
TATA BHIRA HY	150	44	2	32	128	(09:30-09:45)	0.8
BHUSAVAL	1420	728	727	817	934	(09:45-10:00)	19.6
BHIVPURI	75	71	0	42	71	(12:30-12:45)	1.0
CHANDRAPUR	2340	2320	1321	1895	2338	(19:15-19:30)	45.5
DHANU	500	366	367	424	486	(08:00-08:15)	10.2
KHAPARKHEDA	1340	988	983	1064	1207	(08:00-08:15)	25.5
KORADI	1950	916	896	915	951	(09:15-09:30)	22.0
NASIK	630	303	307	316	360	(09:30-09:45)	7.6
PARAS	500	190	184	199	234	(19:00-19:15)	4.8
PARLI	1130	390	390	390	390	(00:00-00:15)	9.4
TOMBAY	1580	769	660	795	914	(12:15-12:30)	19.1
JAIGAD (ISW)	1200	574	557	570	580	(01:45-02:00)	13.7
BHIRA PSS HY	150	165	1	77	165	(19:00-19:15)	1.9
TATA KHOPOLI	72	18	0	12	24	(17:45-18:00)	0.3
KOYNA 1&2	600	40	40	267	540	(20:45-21:00)	6.4
KOYNA 3	320	236	0	163	237	(11:15-11:30)	3.9
KOYNA-4	1000	243	-5	459	966	(16:00-16:15)	11.0
URAN	675	344	354	347	359	(06:15-06:30)	8.3
APML TIRODA	3300	2116	1754	2028	2268	(07:30-07:45)	48.7
SOLAR							1.2
WIND							3.4

11. No of Zero crossing of UI of States

State	CHATTISGARH	DD	DNH	GOA	GUJARAT	MADHYAPRASHH	MAHARASHTRA
* No of Zero Crossing of UI	77	71	71	75	79	71	72

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

DAILY OPERATION REPORT

POWER SUPPLY POSITION IN SOUTHERN REGION FOR 30-NOV-2016

DATE OF REPORTING : 01-DEC-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 #
38069	277	49.98	31269	--	50.04	853.82	9.66

* 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	102.98	3.44	10.39	2.18	2.87	5.66	25.92	26.22	153.44	153.74	0.71
TELANGANA	68.48	0.21	0.00	0.36	3.04	6.06	61.66	62.78	139.81	140.93	0.75
KAR	86.02	14.84	0.00	7.12	0.90	17.53	70.76	73.70	197.17	200.11	6.82
KERALA	0.00	9.10	0.16	0.01	0.06	0.13	53.58	55.76	63.04	65.22	0.29
TN	96.99	7.58	7.88	1.18	4.79	20.38	148.69	148.89	287.49	287.69	1.06
PONDY	0.00	0.00	0.00	0.00	0.00	0.00	6.66	6.13	6.66	6.13	0.03
TOTAL	354.47	35.17	18.43	10.85	11.66	49.76	367.27	373.48	847.61	853.82	9.66

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

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

STATE	19:00 HRS PEAK		03:00 HRS OFF-PEAK		DAY PEAK			DAY ENERGY (MU)	
	DEMAND MET	SHORTAGE #	DEMAND MET	SHORTAGE #	DEMAND MET	TIME	SHORTAGE#	FORECAST	DEVIATION FROM FORECAST (ACTUAL + LS - FORECAST)
AP	5932	5	5670	0	7040	07:00:00	25	152.00	1.74
TELANGANA	5953	5	4547	0	6967	07:44:00		139.01	1.92
KAR	8626	257	7499	0	8991	11:00	318		
KER	4132	3	2857	0	3435	19:00	16	67.40	-2.18
TN	12782	10	10133	0	13366	09:00	75	294.68	-6.99
PONDY	294	0	213	0	313	07.15	2	6.84	-0.71
SR ISTS LOSS	350	--	350	--	--	--	--	--	--
SR	38069	277	31269		38469	18:36	277		

3. GENERATION :

STATION	INSTALLED CAPACITY(MW)	19:00HRS PEAK MW	03:00HRS OFF-PEAK MW	DAY PEAK		DAY ENERGY (MU)	AVG MW
				MW	HRS		
ANDHRA PRADESH							
Vijayawada TPS (6x210+1x500)	1760	1542	1246	1612	23:19	35.77	1490
Rayalaseema TPS (5x210)	1050	890	727	994	09:32	20.96	873
Simhadri (IPP) (2x500)	1000	352	323	482	11:26	9.25	385
Krishnapatnam TPP (2*800)	1600	1287	1174	1413	11:09	28.98	1208
Hinduja (1*525)	525	371	376	421	23:58	8.02	334
Total Thermal	5935	4442	3846	--	--	102.98	4290
Srisailem RB (7x110)	770	--	--	--	--	--	--
Lower Sileru (4x115)	460	--	--	178	17:44	1.33	55
Upper Sileru (4x60)	240	5	5	169	10:03	0.71	29
Other Hydro	278	33	35	--	--	1.40	58
Total Hydro	1748	38	40	--	--	3.44	142
Vijjeswaram Gas (2x33+1x34+1x112.5+1x59.5)	272	85	90	90	03:00	2.27	95
Reliance Energy Ltd.(1x140+1x80)	220	--	--	--	--	--	--
Jegrupadu (2x45.8+1x48.9+1x75.5)	216	61	61	63	06:02	1.46	61
Spectrum (1x46.8+2x46.1+1x68.88)	208	110	125	134	21:48	2.87	120
LANCO (2*115+1*125)	351	137	169	170	03:23	3.79	158
Vemegiri 1x233+1x137)	370	--	--	--	--	--	--
Jegrupadu Ext.	220	--	--	--	--	--	--
Konaseema (1x145+1x140+1x165)	450	--	--	--	--	--	--
Gauthami (2x145+1x174)	464	--	--	--	--	--	--
GMR(BRG) (1x237)	237	--	--	--	--	--	--
Other Gas/Naptha/Diesel	27	--	--	--	--	--	--
Total Gas/Naptha/Diesel	3035	393	445	--	--	10.39	434
Wind	1411	155	142	155	19:00	2.18	91
Solar	695	--	--	--	--	2.87	120
Others	424	130	101	130	19:00	5.66	236
Total AP	13248	5158	4574	--	--	127.52	5313

STATION	INSTALLED CAPACITY(MW)	19:00HRS PEAK MW	03:00HRS OFF-PEAK MW	DAY PEAK		DAY ENERGY (MU)	AVG MW
				MW	HRS		
TELANGANA							
Kothagundam TPS (4x60+4x120+2x250+1x500)	1720	1032	844	1075	18:08	24.61	1025
Kaktiya TPS (1x500+1x600)	1100	965	781	1047	08:36	18.71	780
Ramagundan B (1x62.5)	63	50	52	55	12:16	1.26	52
Singareni (2x600)	1200	1051	1082	1096	10:31	23.90	996
Total Thermal	4083	3098	2759	--	--	68.48	2853
N'Sagar (1x110+7x100.8)	816	11	10	78	15:27	0.05	2
Srisailem LB (Gen) (6x150)	900	--	--	163	07:33	0.15	6
Srisailem LB (Pump)	900	--	--	--	--	--	--
Other Hydro	368	--	--	--	--	0.01	1
Total Hydro	2084	11	10	--	--	0.21	9
Wind	78	--	--	--	--	0.36	15
Solar	617	--	--	--	--	3.04	127
Others	234	--	--	--	--	6.06	252
Total TG	7096	3109	2769	--	--	78.15	3256

KARNATAKA							
Raichur TPS (7x210+1x250)	1720	1512	1376	1609	08:34	36.37	1515
Bellary TPS (2x500+1x700)	1700	889	812	933	22:32	20.74	864
UPCL(IPP) (2x600)	1200	1118	1101	1154	15:09	26.71	1113
Jindal (2x130+4x300)	1460	394	--	394	19:00	2.20	92
YTPS (1x800)	800	--	--	--	--	--	--
Total Thermal	6880	3913	3289	--	--	86.02	3584
Sharavathi (10x103.5)	1035	528	149	549	17:36	6.39	266
Nagihari (1x135+5x150)	885	493	--	538	18:57	2.45	102
Varahi (4x115)	460	34	22	230	07:34	1.65	69
Other Hydro	1992	571	94	--	--	4.35	181
Total Hydro	4372	1626	265	--	--	14.84	618
Yelehanka Diesel (6x21.32)	128	--	--	--	--	--	--
Other Gas/Naptha/Diesel	118	--	--	--	--	--	--
Total Gas/Naptha/Diesel	246	--	--	--	--	--	--
Wind	2922	367	242	474	22:05	7.12	297
Solar	146	--	--	--	--	0.90	37
Others	1041	448	535	535	03:00	17.53	731
Total KAR	15607	6354	4331	--	--	126.41	5267

KERALA							
Iddukki (6x130)	780	200	30	370	17:46	3.44	143
Sabarigiri (1x60+4x55)	280	224	6	242	21:06	1.89	79
Lower Periyar (3x60)	180	112	--	116	21:42	0.48	20
Other Hydro	751	517	4	--	--	3.29	137
Total Hydro	1991	1053	40	--	--	9.10	379
Kayamkulam (2x116.6+1x126.38)	360	--	--	--	--	--	--
Reliance Energy (3x40.5+1x35.5)	157	--	--	--	--	--	--
Brahmapuram DPP (5x21.32))	107	--	--	--	--	--	--
Kozhikode DPP (8x16)	128	51	--	66	19:26	0.16	7
Other Gas/Naptha/Diesel	22	--	--	--	--	--	--
Total Gas/Naptha/Diesel	774	51	--	--	--	0.16	7
Wind	35	--	--	--	--	0.01	1
Solar	35	--	--	--	--	0.01	1
Others	13	--	--	--	--	0.06	2
Total KER	20	--	--	--	--	0.13	5

TAMILNADU							
Ennore TPS (2x60+3x110)	450	--	--	--	--	--	--
North Chennai TPS (3x210)	630	380	324	412	11:40	9.61	400
Tutucorin TPS (5x210)	1050	695	624	711	05:49	18.06	753
Mettur TPS (4x210+1x600)	1440	1286	1039	1325	08:58	31.30	1304
Neyveli-I (IPP) (6x50+3x100)	600	357	354	371	06:03	7.04	293
ST-CMS (1x250)	250	223	150	225	07:41	5.27	220
NCTPS STAGE-II (2x600)	1200	1119	848	1149	17:22	25.71	1071
Other Thermal	--	--	--	--	--	--	--
Total TN Thermal	5620	4060	3339	--	--	96.99	4041
Kadamparai (G) (4x100)	400	195	222	222	03:00	1.35	56
Kadamparai (P)	400	--	--	--	--	1.11	46
Other Hydro	1824	364	170	--	--	6.23	260
Total TN Hydro	2224	559	392	--	--	7.58	316
Basin Bridge (4x30)	120	--	--	--	--	--	--
Kovilkalappal (1x70+1x37.88)	108	36	38	40	05:37	0.91	38
Kuttalam (1x64+1x37)	101	46	46	46	06:07	1.06	44
Valattur(Stg 1&2) (2x60+1x35+1x32)	187	86	21	86	06:23	3.55	148
Samalpatty (7x15.1)	106	--	--	--	--	--	--
P P Nallur (1x330.5)	331	--	--	--	--	--	--
Madurai Power CL (1x106)	106	--	--	--	--	--	--
GMR Vasavi (4x49)	196	--	--	--	--	--	--
Other Gas/Naptha/Diesel	166	710	710	710	19:00	2.36	98
Total Gas/Naptha/Diesel	1421	878	815	--	--	7.88	328
Wind	7598	20	32	680	00:06	1.18	49
Solar	1100	--	--	--	--	4.79	199
Others	806	55	71	71	03:00	20.38	849
Total TN	18769	5572	4649	--	--	138.80	5782
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	2462	2278	2489	19:19	58.36	2432
Neyveli TPS II (7x210)	1470	763	910	1149	10:47	22.59	941
Neyveli TPS I (EXP) (2x210)	420	391	307	402	06:26	8.99	375
Madras APS (2x220)	440	355	355	355	12:10	8.92	372
Kaiga STGI (2x220)	440	382	382	388	02:33	9.69	404
Kaiga STG II (2x220)	440	415	415	415	03:00	9.97	415
Neyveli TPS II (EXP) (2x250)	500	107	195	216	03:08	4.45	186
Talcher II, NTPC (4x500)	2000	1857	1371	1896	18:35	40.83	1701
Simhadri II, NTPC (2x500)	1000	947	654	972	08:48	20.63	859
Kundakulam (1x1000)	2000	693	699	778	06:02	14.78	616
Total ISGS	11310	8372	7566	--	--	199.21	8301
JOINT VENTURE							
Vallur (3x500)	1500	1369	1163	1400	08:11	31.83	1326
NTPL (2x500)	1000	453	679	958	11:33	16.84	702
Total JV	2500	1822	1842	--	--	48.67	2028
IPP UNDER OPEN ACCESS							
LKPPL STG2 (1x233+1x133)	366	--	--	--	--	--	--
LKPPL STG3 (1x241.3+1x126.7)	368	--	--	--	--	--	--
SIMHAPURI (2x150)	600	401	401	401	00:00	2.58	108
MEENAKSHI (2x150)	300	6	--	11	22:40	0.01	1
COSTAL ENERGEN (2x600)	1200	568	308	568	19:00	8.99	375
TPCIL (2x660)	1320	1255	859	1274	09:54	28.08	1170
IL&FS (2x600)	1200	566	307	566	19:00	12.25	510
SGPL (1x660)	660	--	--	--	--	--	--
Total IPP	6014	2796	1875	--	--	51.91	2164

Total State Thermal	23418	15920	13634	--	--	357.06	14877
Total ISGS Thermal	7990	6527	5715	--	--	155.85	6494
Total Thermal	31408	22447	19349	--	--	512.91	21371
Total Hydro	12419	3287	747	--	--	35.17	1464
*Total Gas/Naptha/Diesel	5842	1322	1260	--	--	18.43	769
Total Nuclear	3320	1845	1851	--	--	43.36	1807
Total Wind	12044	542	416	--	--	10.85	453
Total Solar	2571	--	--	--	--	11.66	485
Total Others	2525	633	707	--	--	49.76	2073
Inter-regional (Except Talcher II)	--	1471	241	--	--	180.39	7516
Grand Total	70129	31547	24571	--	--	853.82	35576

* 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	952	957	--	--	--	--	24.005
Gazuwaka B2B	399	655	655	06:07	--	--	12.630
Talcher-Kolar	1977	0	1980	21:40	--	--	33.802
Talcher Stage II I/C	121	-1371	--	--	--	--	-7.027
Raichur-Solapur I & II	1671	1793	2713	06:32	--	--	43.947
Upper Sileru-Balimela	--	--	--	--	--	--	0.000
CHIKODI-KOHLAPUR	250	208	--	--	--	--	5.520
KUDUGI-KOHLAPUR	45	351	56	08:48	--	--	6.140

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)
36.955	0.967	4.043	-0.741	14.408	0.000	0.000	0.000	2.388	0.000	15.895	64.897	-10.292	3.055	80.792	79.695

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	2.2	28.2	62.3	26.9	9.6

Instantaneous Maximum		Instantaneous Minimum		Block Maximum		Block Minimum		Day Avg	Frequency Variation Index	Std. Var.
Hz	TIME	Hz	TIME	Hz	TIME	Hz	TIME	Hz		
50.18	06:01:00	49.54	17:43:40	50.07	22:00	49.71	17:30	49.94	0.131	0.098

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)
			ITCWIND-ITCPSPD(ITCLTDWIND)(5MW)(SR-SR)	0.092	5.000	5.000
			ITCWIND-ITCPSPD(ITCLTDWIND)(0.5MW)(SR-SR)	0.012	0.500	0.500
			BMMCEMENT-SAGARCEM(SAGARCEMNT)(7MW)(SR-SR)	0.112	7.000	7.000
			SARDAMETAL-TGPCC(SARDALTD)(40MW)(SR-SR)	0.508	40.000	40.000
			GIRIJAALOY-TGPCC(GIRIJAALOY)(27MW)(SR-SR)	0.345	27.000	27.000
			APTRANSCO TOTAL EXPORT	1.069		
			INDCEMSANK-INDCEMCMKR(INDCEMSANK)(2.2MW)(SR-SR)	0.053	2.200	2.200
			INDCEMSANK-INDCEMYER(INDCEMSANK)(2.5MW)(SR-SR)	0.060	2.500	2.500
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(5.5MW)(SR-SR)	0.132	5.500	5.500
			DALCEMKAR-DALCEMAP(PTC)(13.6MW)(SR-SR)	0.213	13.600	13.600
			APTRANSCO TOTAL IMPORT	0.458		
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(5.5MW)(SR-SR)	0.132	5.500	5.500
			TGTRANSCO TOTAL EXPORT	0.132		
			ADHUNIK-TGPCC(PTC)(40MW)(ER-SR)	0.120	40.000	0.000
			ITCWIND-ITCPSPD(ITCLTDWIND)(5MW)(SR-SR)	0.092	5.000	5.000
			ITCWIND-ITCPSPD(ITCLTDWIND)(0.5MW)(SR-SR)	0.012	0.500	0.500
			BMMCEMENT-SAGARCEM(SAGARCEMNT)(7MW)(SR-SR)	0.112	7.000	7.000
			SARDAMETAL-TGPCC(SARDALTD)(40MW)(SR-SR)	0.508	40.000	40.000
			SIMHAPURI-TGPCC(SEPL)(126MW)(SR-SR)	1.441	126.000	126.000
			GIRIJAALOY-TGPCC(GIRIJAALOY)(27MW)(SR-SR)	0.345	27.000	27.000
			VEDSTERCOP-TGPCC(NVVN)(14MW)(SR-SR)	0.039	14.000	14.000
			TGTRANSCO TOTAL IMPORT	2.669		
			UDUPIPOWER-MPSEZ(UDUPIPOWER)(8.16MW)(SR-WR)	0.196	8.160	8.160
			DALCEMKAR-DALCEMAP(PTC)(13.6MW)(SR-SR)	0.213	13.600	13.600
			KPTCL TOTAL EXPORT	0.409		
			BALCOTPS-PCKL(NVVN)(12.5MW)(ER-SR)	0.150	12.500	12.500
			JPNIGRIE-PCKL(NVVN)(12.5MW)(ER-SR)	0.150	12.500	12.500
			DBPOWER-BESCOM(PTC)(25MW)(ER-SR)	0.100	25.000	25.000
			GRIDCO-BESCOM(PTC)(50MW)(ER-SR)	0.200	50.000	50.000
			APLMUNDRA3-BESCOM(PTC)(50MW)(ER-SR)	0.200	50.000	50.000
			APLMUNDRA2-BESCOM(PTC)(100MW)(ER-SR)	0.400	100.000	100.000
			JPNIGRIE-PCKL(NVVN)(18.75MW)(ER-SR)	0.075	18.750	18.750
			BALCOTPS-PCKL(NVVN)(18.75MW)(ER-SR)	0.075	18.750	18.750
			TATADELHI-BESCOM(PTC)(50MW)(ER-SR)	0.200	50.000	50.000
			THERMPOWER-BESCOM(PTC)(100MW)(SR-SR)	2.400	100.000	100.000
			KPTCL TOTAL IMPORT	3.950		
			KSEB TOTAL EXPORT	0.000		
			GMRWARORA-KSEB(PXIL)(100MW)(ER-SR)	0.856	100.000	100.000
			KAMLNGASTU-KSEB(PXIL)(76MW)(ER-SR)	0.817	76.000	76.000
			KSEB TOTAL IMPORT	1.673		
			INDCEMSANK-INDCEMCMKR(INDCEMSANK)(2.2MW)(SR-SR)	0.053	2.200	2.200
			INDCEMSANK-INDCEMYER(INDCEMSANK)(2.5MW)(SR-SR)	0.060	2.500	2.500
			VEDSTERCOP-TGPCC(NVVN)(14MW)(SR-SR)	0.039	14.000	14.000
			TNEB TOTAL EXPORT	0.152		
			JPNIGRIE-TNEB(IEX)(200MW)(ER-SR)	0.600	200.000	0.000
			DBPOWER-TNEB(IEX)(100MW)(ER-SR)	0.100	100.000	0.000
			ILFS-TANGEDCO(ILFS)(272.5MW)(SR-SR)	6.540	272.500	272.500
			THERMPOWER-TNEB(IEX)(68MW)(SR-SR)	1.632	68.000	68.000
			TNEB TOTAL IMPORT	8.872		
			GOASR-GOAWR(GOA)(24.76MW)(SR-WR)	0.545	24.760	24.760
			GOA TOTAL EXPORT	0.545		
			GOA TOTAL IMPORT	0.000		
			LKPL TOTAL EXPORT	0.000		

7. VOLTAGE LEVEL AT CRITICAL SUB STATION

SUBSTATION	% OF TIME (Minute Wise)				400 KV (Hourly)				220 KV / 230 KV (Hourly)			
	<380 KV	<390 KV	>420 KV	>430 KV	MAXIMUM		MINIMUM		MAXIMUM		MINIMUM	
					KV	TIME	KV	TIME	KV	TIME	KV	TIME
HYDERABAD	0.00	0.00	2.01	0.00	422	0003	403	1007	225	1201	212	0550
GOOTY	0.00	0.00	4.72	0.00	424	2154	402	1010	220	0606	220	0606
VIJAYWADA	0.00	0.00	42.85	0.00	426	0203	413	0925	234	0203	225	1220
KOLAR	0.00	0.00	0.00	0.00	415	0202	393	1833	225	1201	212	0550
BANGALORE	0.00	16.94	0.00	0.00	411	0202	382	1010	215	0201	196	1010
HIRIYUR	0.00	0.00	0.56	0.00	421	2154	399	1010	235	2154	217	0538
CHENNAI	0.00	0.00	0.00	0.00	418	0202	401	1834	224	0202	213	1719
TRICHY	0.00	3.96	0.00	0.00	409	2235	386	1720	210	0607	210	0607
TRIVENDRAM	0.00	0.00	0.00	0.00	412	0408	393	1708	227	0404	216	1653
KAIGA	0.00	0.00	0.76	0.00	421	2156	398	1009	220	0002	220	0002
KUDANKULAM	0.00	0.00	0.00	0.00	413	0414	399	1721	234	0414	225	1721

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	836.68	460	837.07	477	2.21	2.21	53.15	63.63
SRISAILAM	243.84	270.70	1392	265.97	681	254.39	141	0.00	0.15	0.00	7.17
N.SAGAR	149.30	179.90	1398	160.54	166	155.14	0	0.00	0.11	11.80	0.11
LINGANAMAKKI	522.73	554.50	4557	546.58	2409	546.52	2396	0.00	6.18	19.59	160.86
SUPA	495.00	564.00	3159	545.77	1697	540.85	1399	0.09	2.67	18.91	72.17
IDUKKI	694.94	732.43	2148	714.71	910	720.58	1277	0.96	2.07	33.42	78.97
KAKKI	908.30	981.45	916	968.13	502	972.44	612	0.56	1.76	43.31	60.40
NILAGIRIS	--	--	1504	--	611	--	1125	1.61	1.12	24.59	31.96
TOTAL	--	--	15608	--	7436	--	7427	5.43	16.27	204.77	475.27

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

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

CONSTITUENTS	AP	TG	KARNATAKA	KERALA	TAMILNADU	PONDY
AVERAGE MW (F<49.9)	111.42	65.89	89.37	59.29	103.81	5.15
OD MU'S (F<49.9)	0.08	0.08	0.16	0.21	0.31	0.01
OD NO OF BLOCK(F<49.9)	3	5	7	14	12	5

GENERATOR	NLCII	NLCEXPI	RSTP	SEPL	LANCO	MEPL
AVERAGE MW (F<49.9)	0.00	0.00	0.00	0.00	0.00	-5.22
Under Injection MU'S (F<49.9)	0.00	0.00	0.00	0.00	0.00	-0.02
Under Injection NO OF BLOCK(F<49.9)	0	0	0	0	0	19

10. SIGNIFICANT EVENTS (IF ANY) :

11. SYSTEM CONSTRAINTS (IF ANY) :

12. WEATHER CONDITIONS:

पावर सिस्टम ऑपरेशन निगम लिमिटेड
पूर्वी क्षेत्रीय भार प्रेषण केंद्र



DAILY OPERATION REPORT OF EASTERN REGION

Power Supply Position For

30-Nov-16

Date of Reporting:

01-Dec-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
15738	-430	16168	0	11672	0	11672	0	306	-1.29

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

State	State's Control Area Generation (Net MU)				Drawal Sched. (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Availability (Net MU)	Consumption (Net MU)	Shortage (Net MU)
	Thermal	Hydro	Others / Renewable	Total						
Bihar	0.00	0.00	0.00	0.00	59.25	59.60	0.36	59.25	59.60	-0.75
DVC	96.19	0.20	0.00	96.39	-35.89	-38.99	-3.10	60.50	57.40	0.00
Jharkhand	1.67	0.00	0.00	1.67	16.02	18.30	2.29	17.68	19.97	-0.54
Odisha	18.19	5.93	20.23	44.35	21.05	20.37	-0.68	65.40	64.72	0.00
West Bengal	62.29	4.15	15.82	82.27	21.50	20.53	-0.97	103.77	102.80	0.00
Sikkim	0.00	0.00	0.00	0.00	1.30	1.39	0.09	1.30	1.39	0.00
Region	178.34	10.28	36.06	224.67	83.23	81.21	-2.02	307.90	305.88	-1.29

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	3038	-250	2118	0	3376	19:26	0	72.83	13.23
DVC	1981	0	1870	0	2287	05:49	0	56.00	-1.40
Jharkhand	929	-180	740	0	1136	05:40	0	25.00	5.03
Odisha	3602	0	2378	0	3756	19:23	0	81.83	17.12
West Bengal	6102	0	4514	0	6644	17:37	0	156.77	53.96
Sikkim	86	0	53	0	92	17:38	0	1.13	-0.26
Region	15738	-430	11672	0	16482	18:58	0	393.57	88

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	0	0	1536	18:00	31.02	30.68	1278
Farakka STPS - III(500)	500	0	0	481	17:00	8.58	8.59	358
Kahalgaon STPS - I(4*210)	840	0	0	564	19:28	11.81	11.81	492
Kahalgaon STPS - II(3*500)	1500	0	0	1431	11:59	30.40	30.74	1281
Barh STPS - I & II (2*660)	1320	0	0	1260	06:37	20.67	19.86	828
Talcher STPS - I(2*500)	1000	0	0	483	12:00	11.01	11.17	465
Talcher STPS - II(4*500)	2000	0	0	1882	19:09		40.80	1700
Sub Total Thermal	6760	0	0			113.49	112.85	
NHPC								
Teesa(3*170)	510	0	0	532	18:00	4.49	4.61	192
Rangit(3*20)	60	0	0	60	00:00	0.77	0.84	35
Sub Total Hydro	570	0	0			5.25	5.45	
BHUTAN								
Kurichu(4*15)	60	0	0	22	00:00	0.31	0.12	5
Tala(6*170)	1020	0	0	358	13:00	6.57	7.25	302
Chukha(4*84)	336	0	0	358	13:00	1.56		63
Dagachu(2*63)	126	0	0	88	20:41	0.30	1.51	0
Sub Total Hydro	1542	0	0			8.74	8.89	370
IPP								
MPL(2*525)	1050	0	0	1028	10:41	21.57	23.11	963
APNRL(270*2)	540	0	0	506	13:00	9.98	11.26	469
GMR(3*350)	1050	0	0	679	10:21	14.17	15.27	636
JITPL(2*600)	1200	0	0	1145	18:00	13.13	13.97	582
Sub Total IPP Thermal	3840	0	0			58.85	63.60	2650
Chuzachen HEP(2*55)	110	0	0	0	00:00	0.58	0.59	25
Jorethang HEP(2*48)	96	0	0	0	00:00	0.34	0.73	31
Sub Total IPP Hydro	206	0	0			0.92	1.33	55
Solar								
Talcher NTPC Solar	10	0	0	0	00:00		0.02	1
INFIRM								
							0.02	1
Total Regional Entities	12918	0	0			187.25	192.16	

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	0	0	0	00:00	0.00	0
Thermal (Total)	440	0	0	-	-	0.00	
Hydro (Total)	45	0	0			0.00	
Others (Total)	14	0	0	0	00:00		
Total BIHAR	498	0	0			0.00	
JHARKHAND							
Patratu TPS(4*50+2*100+4*110)	840	0	0	60	00:00	1.67	69
Tenughat TPS(2*110)	420	0	0	146	00:00	0.00	0
Thermal (Total)	1260	0	0			1.67	69
Subernrekha (2*65)	130	0	0	0	00:00	0.00	0
Hydro (Total)	130	0	0	0	00:00	0.00	0
CPP IMPORT							
Total JHARKHAND	1390	0	0			1.62	68
Total JHARKHAND						3.29	

	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		
DVC	Chandrapura TPS(3*140+2*250)	920	0	0	732	18:00	15.86	661
	Bokaro'B TPS(3*210)	630	0	0	188	17:00	3.68	153
	Waria TPS(140+210)	350	0	0	0	00:00	0.00	0
	Mejia TPS(4*210+2*250)	1340	0	0	665	18:00	14.67	611
	Mejia'B TPS(2*500)	1000	0	0	980	16:00	19.57	815
	Durgapur STPS (2*500)	1000	0	0	993	08:45	19.99	833
	Koderma TPS(500)	500	0	0	483	12:00	10.45	435
	Raghunathpur TPS	600	0	0	140	00:00	10.78	449
	Thermal (Total)	6340	0	0			94.99	
	Maithon(2*20+23.2)	63	0	0	11	17:00	0.06	3
	Panchet(2*40)	80	0	0	21	17:00	0.04	2
	Tilaiya(2*2)	4	0	0	0	00:00	0.10	4
	Hydro (Total)	147	0	0			0.20	
	Others (Total)	0	0	0	0	00:00	0.00	0
Total DVC	6487	0	0			95.19		
ODISHA	Talcher TPS(4*62.5+2*110)	470	0	0	502	13:00	10.56	440
	IB Valley TPS(2*110)	420	0	0	361	04:41	7.63	318
	Thermal (Total)	890	0	0			18.19	
	Burla(2*49.5+3*37.5+2*32)	276	0	0	100	17:00	0.55	23
	Chiplilima(3*24)	72	0	0	35	13:00	0.32	13
	Balimela(2*75+6*60)	510	0	0	343	07:02	3.31	138
	Rengali(5*50)	250	0	0	208	17:00	0.55	23
	Upper Kolab(4*80)	320	0	0	105	17:00	0.80	33
	Indravati(4*150)	600	0	0	295	17:00	0.58	24
	Machkund Share	57	0	0	-7	00:00	-0.18	-7
	Hydro (Total)	2085	0	0			5.93	
	Total CPPGR Import	5173	0	0	1216	19:45	20.23	843
	Others	0	0	0	0	00:00	0.00	0
	Total Odisha	2975	0	0			44.35	
WEST BENGAL	Santalalih TPS(2*250)	500	0	0	517	08:08	10.84	452
	Bandel TPS(4*82.5+210)	540	0	0	319	19:44	5.39	225
	Kolaghat TPS(6*210)	1260	0	0	453	06:58	10.39	433
	Bakreswar TPS(5*210)	1050	0	0	581	17:00	10.88	453
	DPL TPS(3*75+110+300)	635	0	0	234	09:46	5.07	211
	SAGARDIGHI TPS(2*300)	600	0	0	615	19:11	11.94	497
	Thermal (Total)	4585	0	0			49.43	
	Purulia PSP(G)(4*225)	900	0	0	531	17:00	2.36	98
	Purulia PSP(P)		0	0	0	05:41	-2.57	-107
	Jaldhaka(3*9+2*4)	35	0	0	25	00:00	0.60	25
	Ramam(4*12.5)	50	0	0	23	12:00	0.53	22
	Tista(9*7.5)	68	0	0	28	00:00	0.66	28
	Hydro (Total)	1053	0	0			4.15	173
	Total CPPWB Import	631	0	0	705	13:00	13.82	576
Others	12	0	0	0	00:00	0.00	0	
Total WEST BENGAL	5649	0	0			67.41	2809	
CESC	Budge-Budge TPS(3*250)	750	0	0	518	00:15	11.80	492
	Titagarh TPS(4*60)	240	0	0	0	00:00	0.00	0
	Southern TPS(2*67.5)	135	0	0	3	00:00	0.05	2
	New Cossipore TPS(2*30+2*50)	160	0	0	0	00:00	0.00	0
	Thermal (Total)	1285	0	0			11.86	494
	Others	0	0	0	0	00:00	0.00	0
Total CESC	1285	0	0			11.86	494	
Total ISGS & IPP Thermal	10600	0	0			176.45	7352	
Total State Thermal	14800	0	0			176.14	7339	
Total CPP Import	5804	0	0			34.06	1419	
Total ISGS & IPP Hydro	2318	0	0			16	653	
Total State Hydro	3459	0	0			10.28	428	
Total Others	25	0	0			0.00	0	
Net Inter Regional Exchange [Import(+ve)/Export(-ve)]			0	0			-89.88	5221
Regional Total (Gross)	36981	0	0	0	0	322.71	22413	

* 765 KV Volatge Range

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

Sl No	Element	18:00 Hrs Peak	14:00 Hrs Off Peak	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		MW	MW	Import (MW)	Export (MW)			
Import/Export NR from ER								
1	765 KV GAYA-VARANASI D/C	0	0	0	432	0.00	-15.79	-15.79
2	765 KV SASARAM-FATEHPUR	0	0	0	349	0.00	-3.03	-3.03
3	765 KV GAYA-BALIA	0	0	0	516	0.00	-7.05	-7.05
4	HVDC LINK PUSAULI B/B	0	0	-3	0	0.00	0.00	0.00
5	400 KV PUSAULI-SARNATH	0	0	-167	0	0.49	0.00	0.49
6	400 KV PUSAULI-ALLAHABAD	0	0	-278	0	3.61	0.00	3.61
7	400 KV MUZAFFARPUR-GORAKHPUR	0	0	-64	1217	0.00	-5.27	-5.27
8	400 KV PATNA-BALIA	0	0	0	1080	0.00	-16.99	-16.99
9	400 KV BIHARSHARIFF-BALIA	0	0	0	368	0.00	-4.46	-4.46
10	400 KV BARH - GORAKHPUR - D/C	0	0	0	575	0.00	-10.76	-10.76
11	400 KV BIHARSHARIFF - VARANASI D/C	0	0	-37	0	0.00	-3.17	-3.17
12	220 KV PUSAULI-SAHUPURI	0	0	0	242	0.00	-3.21	-3.21
13	132 KV SONE NAGAR-RIHAND	0	0	0	0	0.00	0.00	0.00
14	132 KV GARWAH-RIHAND	0	0	-35	0	0.83	0.00	0.83
15	132 KV KARMANASA-SAHUPURI	0	0	0	0	0.00	0.00	0.00
16	132 KV KARMANASA-CHANDAULI	0	0	0	0	0.00	0.00	0.00
Sub Total NR		0	0	0	3958	5	-70	-64.80
Import/Export WR from ER								
1	765 KV JHARSUGUDA-DHARMAJAYAGARH D/C	0	0	0	1045	0.00	-15.57	-15.57
2	765 KV RANCHI-DHARMAJAYAGARH S/C	0	0	-395	315	1.10	0.00	1.10
3	400 KV ROURKELA - RAIGARH (SEL LILO BYPASS)	0	0	-164	53	0.68	0.00	0.68
4	400 KV JHARSUGUDA-RAIGARH	0	0	-178	27	1.62	0.00	1.62
5	400 KV IND BHARAT-RAIGARH	0	0	-126	16	1.15	0.00	1.15
6	400 KV STERLITE-RAIGARH -II	0	0	-33	212	0.00	-2.59	-2.59
7	400 KV RANCHI-SIPAT D/C	0	0	-253	32	1.91	0.00	1.91
8	220 KV BUDHIPADAR-RAIGARH S/C	0	0	-58	92	0.00	-0.79	-0.79
9	220 KV BUDHIPADAR-KORBA D/C	0	0	-183	100	2.50	0.00	2.50
Sub Total WR		0	0	-1214	1376	9	-19	-10.00
Import/Export SR from ER								
1	GAZUWAKA B/B	0	0	0	330	0.00	-12.63	-12.63
2	TALCHER-KOLAR BIPOLE	0	0	0	1975	0.00	-33.80	-33.80
3	TALCHER STG - II I/C	0	0	0	472	7.00	0.00	7
4	220 KV BALIMELA-UPPER-SILERRU S/C	0	0	-1	0	0.00	0.00	0.00
Sub Total SR		0	0	-576	1259	7.00	-12.63	-5.63
Import/Export NER from ER								
1	400 KV BINAGURI-BONGAIGAN Q/C	0	0	-623	979	0.00	-8.05	-8.05
2	220 KV ALIPURDUAR-SALAKATI D/C	0	0	0	0	0.00	-1.28	-1.28
3	132 KV GEYLEGPHU - SALAKATI	0	0	0	0	0.00	0.26	0.26
4	132 KV DEOTHANG - RANGIA	0	0	0	0	0.00	-0.38	-0.38
Sub Total NER		0	0	-649	1094	0	-9	-9.45
TOTAL IR EXCHANGE		0	0	0	6869	21	-111	-89.88

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	-49.38	1.97	-14.31	-59.51	-64.80	-5.29
ER-WR	-12.14	6.01	19.51	-4.98	-10.00	-5.01
ER-SR	3.78	-4.04	-13.51	-14.58	-5.63	8.95
ER-NER	-3.59	-2.10	1.15	-4.67	-9.45	-4.78
TOTAL	-61.33	1.84	-7.16	-83.74	-89.88	-6.14

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	8.74	8.89	420		370	Bihar	-2.30	-140	0	-96
Nepal	1.78	-4.16	-220	0	-173	132 kv Mzf - Dhalkebar	-1.86	-80	0	-77
Bangladesh	10.80	-11.24	-508	-362	-468					

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	2.23	7.87	28.16	62.27	7.62	9.57	0.00

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

Freq	Maximum		Minimum		Average Frequency	Freq Variation Index	Standard deviation	Freq. in 15 mnt blk		Freq. Dev Index (% of Time)
	Time	Time	Time	Time				Max.	Min.	
50.18	06:01		49.94	17:43	49.94	0.13	0.10	50.07	49.70	37.73

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	786	01:59	763	10:05	0.00	100.00	0.00	0.00
Jamshedpur	430	04:30	418	17:00	0.00	100.00	100.00	100.00
Muzaffarpur	412	03:57	396	18:00	0.00	100.00	0.00	0.00
Bihar Sariff	418	03:02	403	17:00	0.00	100.00	0.00	0.00
Binaguri	421	22:53	403	17:00	0.00	96.82	3.18	3.18
Jeerat	426	02:25	394	17:00	0.00	56.31	43.69	43.69
Rourkela	415	02:03	404	17:00	0.00	100.00	0.00	0.00
Jeypore	420	11:57	385	16:00	0.00	100.00	0.00	0.00
Koderma	422	01:12	410	17:00	0.00	79.64	20.36	20.36
Maithon	417	03:03	408	17:00	0.00	100.00	0.00	0.00
Teesta	0	00:00	0	00:00	0.00	100.00	0.00	0.00
Rangpo	0	00:00	0	00:00	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(INSTPP)-SRJ-GJ(PCOKL)ER-NVVN-22614/F	0.15	12.5	12.5	BSEB TOTAL EXPORT	0.0		
WR(BALCO TPS)-SRJ-GJ(PCOKL)ER-NVVN-22613/F	0.15	12.5	12.5	GMR(GMR KEL)-BSEB(BSPHCL)-GMRKEL-12831	5.994	256	206
WR(APL-MUNDRA 2)-SRJ-GJ(BESC)ER-PTC-22875	0.4	100	100	WR(DBPL)-BSEB(BSPHCL)-EXL-12834/C	1.44	290	180
WR(APL MUNDRA ST 3)-SRJ-GJ(BESC)ER-PTC-22874	0.2	50	50	WR(INSTPP)-BSEB(BSPHCL)-EX-12833/C	0.98	250	100
WR(GMR WEL)-SRJ-GJ(KSEB)ER-PXIL-22882/C	0.85625	100	37	JITPL(Jindal India TPL)-BSEB(BSPHCL)-TPTCL-12309 A	1.022388969	150	0
WR(INSTPP)-SRJ-GJ(TNEB)ER-EXL-22884/C	0.6	200	100	WR(DB Power Ltd.)-BSEB(BSPHCL)-PTC India Ltd.-12667 A	0.6	100	0
WR(DB)-SRJ-GJ(TNEB)ER-EXL-22885/C	0.1	100	100	WR(DB Power Ltd.)-BSEB(BSPHCL)-PTC India Ltd.-12668 A	0.6	100	0
WR(DBPL)-SRJ-GJ(BESC)ER-PTC-22872	0.1	25	25	BSEB TOTAL IMPORT	10.6		
WR(INSTPP)-SRJ-GJ(PKTL)ER-HEX-22884/C	0.075	18.75	18.75	JSEB TOTAL EXPORT	0.0		
WR(BALCO)-SRJ-GJ(PCOKL)ER-NVVN-22877	0.075	18.75	18.75	APN(APNRL # 1 & 2)-JSEB(JUVNL)-JSEB-12669 F	2.92248	121.77	121.77
NR(North Delhi Power Ltd.)-NER(Assam Power DCL)ER-APPCL-2398/A	0.5	100	0	JSEB TOTAL IMPORT	2.9		
NR(North Delhi Power Ltd.)-NER(Meghalaya PDCL)ER-MPPL-2403/F	0.96	40	40	DVCTI & SCL-WR(TSL BOISER)-TSL-32420/F	0.215	9,000	9,000
NR(BYPL)-NER(Meghalaya PDCL)ER-APPCL-2404/F	0.45	25	25	DVC TOTAL EXPORT	0.2		
NR(North Delhi Power Ltd.)-NER(APDCL,Assam)ER-APPCL-2410/F	0.2	50	50	DVC TOTAL IMPORT	0.0		
NR(TPDDL)-SRJ-GJ(BESC)ER-PTC-22878	0.2	50	50	GRIDCO(ASL(CGP))-NR(AIL-PUNJAB)-AIL-37566	0.044	8	0
NER(Assam State Electricity Board)-WR(MP Power Management Co Ltd)ER-Mittal Processor Pvt Ltd	0.45	50	50	GRIDCO(GRIDCO)-SRJ-GJ(BESC)-PTC-22873	0.2	50	50
				GRIDCO(GMRKEL)-SRJ-GJ(KSEB)-PXIL-22883/C	0.817	76	76
				GRIDCO TOTAL EXPORT	1.1		
				JITPL-GRIDCO-JITPL-12829	1.074129656	50	0
				WR(INTPC SAIL PCL)-GRIDCO(SAIL RSP)-SAIL RSP-12664 A	0.324	13.5	13.5
				DVCTISCL)-GRIDCO(TS FAP)-TS FAP-12696/F	0.306	18	18
				DVCTISCL)-GRIDCO(TSLKN)-TSLKN-12791/F	0.48	20	20
				GRIDCO TOTAL IMPORT	2.2		
				WBSEB(CESC)-NER(MSPDCL)-MPPL-2400/A	0.138	23	23
				WBSEB(CESC)-NER(MpDCL)-MPPL-2401/A	0.300	50,000	50,000
				WBSEB(CESC)-NR(HPPC)-MPPL-37565	0.050	100,000	0,000
				WESTBENGAL TOTAL EXPORT	0.5		
				WESTBENGAL TOTAL IMPORT	0.0		
				SIKKIM(GOV OF SIKKIM)-WR(DD)-APPCL-32792/F	0.08	20	20
				SIKKIM TOTAL EXPORT	0.1		
				SIKKIM TOTAL IMPORT	0.0		
				STERLITE TOTAL EXPORT	0.0		
				STERLITE TOTAL IMPORT	0.0		

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	0.35%	0.00%
SR	0.00%	0.00%
NER	2.95%	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 30-Nov-16
Date of Reporting 01-Dec-16

I. Regional Availability/Demand:

Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
2318	45	2363	50.02	1253	10	1263	50.00	37.16	0.35

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

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

State	State's Control Area Generation (Net MU)					Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages* (MU)
	Thermal	Hydro	Solar	Wind	Total					
ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	1.68	2.04	0.36	2.04	0.01
ASSAM	2.84	0.75	0.00	0.00	3.59	16.58	18.34	1.76	21.93	0.16
MANIPUR	0.00	0.00	0.00	0.00	0.00	2.38	2.12	-0.26	2.12	0.05
MEGHALAYA	0.00	1.31	0.00	0.00	1.31	3.43	3.45	0.02	4.77	0.00
MIZORAM	0.00	0.05	0.00	0.00	0.05	1.24	1.45	0.21	1.50	0.05
NAGALAND	0.00	0.06	0.00	0.00	0.06	1.69	1.87	0.18	1.93	0.07
TRIPURA	1.80	0.15	0.0252	0.00	1.98	1.27	2.17	0.90	2.87	0.00
Total	4.64	2.32	0.03	0.00	6.99	28.27	31.43	3.16	37.16	0.35

* Shortage furnished by the respective constituent. # Tripura Demand excludes Brangladesh Dr: 1.27 MU

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

State	Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)	Time
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
ARUNACHAL PRADESH	121	1	-28	0	108	0	47	12	121	19:07
ASSAM	1388	17	195	225	781	10	-9	-13	1411	18:56
MANIPUR	119	6	1	-10	62	0	-4	-28	150	17:35
MEGHALAYA	300	0	63	69	143	0	-18	96	300	17:38
MIZORAM	79	7	4	-13	37	0	8	-26	89	18:04
NAGALAND	95	14	9	0	34	0	-15	0	101	16:38
TRIPURA	216	0	49	-12	88	0	8	-137	216	18:56
Total	2318	45	293	260	1253	10	17	-96	2319	18:56

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

III. Regional Entities :

Station/ Constituent	Inst. Capacity	Declared	Peak MW (At 19:00 Hrs)	Off Peak MW (At 03:00 Hrs)	Energy	Average	Schedule	UI
	(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	MW	Net MU	Net MU
A. NEEPCO								
KHANDONG (2x25)	50	0	40	0	0.36	15	0.34	0.02
KOPILI STAGE-II (Khandong) (1x25)	25	0	18	0	0.06	2	0.05	0.01
KOPILI (4x50)	200	0	190	46	1.78	74	1.66	0.12
AGBPP (Kathalguri)- (GT+ST) (6x33.5 + 3x30)	291	126	132	153	3.03	126	2.84	0.19
AGTCCPP (RC NAGAR) (4x21+2x23)	130	115	115	114	2.69	112	2.62	0.07
DOYANG (3x25)	75	0	67	24	0.57	24	0.52	0.06
RANGANADI (3x135)	405	0	400	0	1.32	55	1.18	0.15
Sub Total (A)	1176	241	962	337	9.82	409	9.21	0.61
B. NHPC								
LOKTAK (3x35)	105	0	105	106	2.54	106	2.45	0.08
Sub Total (B)	105	0	105	106	2.54	106	2.45	0.08
C. OTPCL								
PALATANA CCPP (2X363.3)	726.6	346	344	353	8.36	348	8.28	0.08
Sub Total ©	726.6	346	344	353	8.36	348	8.28	0.08
D.NTPC								
BqTPP	250	235	234	175	5.01	209	4.94	0.07
Sub Total ©	250	235	234	175	5.01	209	4.94	0.07
D. Total Regional Entities (A-C)	2258	821	1645	971	25.73	1072	24.88	0.84

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
	Total Arunachal Pradesh	79	0	0.00	0.00	0
ASSAM	LTPS(Thermal) (4x15+3x20+1x37.2)	157.2	87	91.00	2.01	84
	NTPS(Thermal) (20+21+21+11+24+ 22)	119	16	44.00	0.83	35
	Adamtilla(Thermal) (3*3) + CTPS(2*30)	69	2	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	0.74	31
	Mini Hydel	4	1	1.40	0.01	0
	Thermal (Total)	361	104	135.00	2.84	118
	Total Hydro	104	100	1.40	0.75	31
	Total Solar	0	0	0.00	0.00	0
	Total Wind	0	0	0.00	0.00	0
	Total Assam	465	204	136.40	3.59	150
MANIPUR	Thermal (Total)	0	0	0.00	0.00	0
	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
	Total Manipur	43	0	0.00	0.00	0
MEGHALAYA	UMIUM ST-I (4*9)	36	12	0.00	0.22	9
	UMIUM ST-II (2*10)	20	7	0.00	0.11	5
	UMIUM ST-III (2*30)	60	24	0.00	0.31	13
	UMIUM ST-IV (2*30)	60	24	0.00	0.33	14
	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	42	0.00	0.33	14
	Total Hydro	315	110	0.90	1.33	55
	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
	Total Meghalaya	422	110	0.90	1.33	55
	MIZORAM	BAIRABI (4X5.73)	22.92	0	0.00	0.00
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
Total Mizoram		54	0	0.00	0.05	2
NAGALAND	LIKHMRO (3*8)	24	20	21.20	0.06	2
	Total Hydro	24	20	21.20	0.06	2
	Total Solar	0	0	0.00	0.00	0
	Total Wind	0	0	0.00	0.00	0
	Total Nagaland	24	20	21.00	0.06	2
TRIPURA	ROKHIA(Thermal) (6x8+3x21)	111	55	54.50	1.30	54
	BARAMURA(Thermal) (1x6.5+2x5+2*21)	58.5	21	21.00	0.50	21
	Monarchak(Thermal)	67.0	65	64.80	0.00	0
	Gumati(Hydro) (3*5)	15	7	4.00	0.15	6
	Thermal (Total)	237	141	140.30	1.80	75
	Total Hydro	15	7	4.00	0.15	6
	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
	Total Tripura	258	147	144.30	1.98	82
Total State Control Area Generation	1344	481	302.60	7.00	292	
Total State control area generation (excluding hydro)	662.07	244.80	275.30	4.67	195	
Total regional entirties generation (excluding hydro)	1148	591	620	19.09	586	
Total Regional generation (excluding Hydro)	1810	836	895	23.76	781	
IV. Total Hydro Generation:						
Regional Entities Hydro	860	820	176	6.64	277	
State Control Area Hydro	551	237	28	2.33	97	
Total Regional Hydro	1411	1057	204	8.97	374	
Infirm Generation in the Region				0.00		
Total Generation availability in the Region	3228	1892	1099	32.7	1154.8	

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

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy
			Import	Export	Import	Export	
400 kV Binaguri-Bongaigaon I	-179	186	-227	186	-2.31	0.00	-2.31
400 kV Binaguri-Bongaigaon II	-179	186	-227	186	-2.32	0.00	-2.32
400 kV Binaguri-Bongaigaon III	-234	0	-260	0	-1.58	0.00	-1.58
400 kV Binaguri-Bongaigaon IV	-234	220	-378	220	-2.69	0.00	-2.69
220 kV Birpara-Salakati I	-48	24	-60	24	-0.63	0.00	-0.63
220 kV Birpara-Salakati II	-46	24	-60	24	-0.63	0.00	-0.63
132 kV Ranjia-Deothang / Salakati-Gelephu (India- +/- 800 KV Biswanath charali - Agra	-8	-8	-16	0	-0.64	0.00	-0.64
	600	700	0	700	0.00	4.20	4.20
Total IR Exch	-328	1332	-1228	1340	-10.79	4.20	-6.59

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		
Total IR Schedule (MU)		Total IR Actual (MU)		Net IR UI (MU)			
Through ER	Total	Through ER	Total	Through ER	Total		
	-4.67						

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	2.23	10.10	28.16	77.49	62.27	7.62	1.98	0.00	0.00
----- Frequency (Hz) ----->					Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum		MAX				MIN	
Freq	Time	Freq	Time	Hz			(Hz)	(Hz)	
50.19	06:01:00	49.54	17:43:40	49.94	0.131	0.098	50.073	49.702	

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	03:59	396	16:56	0.0	0.0	0.0	0.0
Balipara	400	420	01:58	396	16:54	0.0	0.0	0.3	0.0
Misa	400	425	00:00	404	00:00	0.0	0.0	46.6	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	234	03:59	220	17:29	0.0	0.0	0.0	0.0
Dimapur	220	225	04:00	212	16:55	0.0	0.0	0.0	0.0
Mariani	220	237	21:39	229	16:56	0.0	0.0	38.5	0.0
Misa	220	226	01:58	217	16:52	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	04:01	131	17:11	0.0	0.0	67.8	0.0
Haflong	132	138	04:00	131	17:12	0.0	0.0	76.5	0.0
Kahilpara	132	132	02:13	132	02:13	0.0	0.0	0.0	0.0
Aizawl	132	135	10:29	124	17:24	0.0	0.0	0.0	0.0
Kumarghat	132	136	03:59	130	17:09	0.0	0.0	24.6	0.0
Imphal	132	138	04:02	129	17:09	0.0	0.0	52.4	0.0
Khliehriat	132	139	03:58	132	17:24	0.0	0.0	79.3	0.0
Badarpur	132	135	02:13	135	02:13	0.0	0.0	0.0	0.0
Nirjuli	132	132	02:13	132	02:13	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	715.75	17.08	715.75	17.08	N/A	N/A
Kopili	609.60	592.83	607.12	81.00	603.90	57.60		
Loktak	769.00	766.20	768.69	250.00	769.21	250.00		
Umium	978.88	957.60	965.67	N/A	977.63	N/A		
Gumti	93.55	83.60	92.20	24.28	90.60	N/A		
Doyang	333.00	306.00	320.65	24.30	317.50	16.00		
Ranganadi	567.00	560.00	564.13	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