



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

Report for previous day

Date of Reporting 15-Jan-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	42407	38743	32721	16445	2237	132552
Peak Shortage (MW)	651	0	0	285	26	962
Energy Met (MU)	891	929	789	323	38	2969
Hydro Gen(MU)	99	35	28	19	11	191
Wind Gen(MU)	21	49	32	-----	-----	101
Solar Gen (MU)*	0.21	9.07	13.60	0.04	0.02	23

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.048	0.00	0.43	3.33	3.76	67.62	28.62

C. Power Supply Position in States

Region/Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)
NR	Punjab	5079	0	99.5	43.4	0.3	168
	Haryana	6514	0	119.2	66.6	-1.7	307
	Rajasthan	9836	101	208.2	70.1	2.0	316
	Delhi	3983	0	64.2	51.0	1.1	381
	UP	13211	0	288.8	88.5	0.8	317
	Uttarakhand	1903	0	33.2	20.2	1.3	231
	HP	1463	0	25.8	20.9	1.2	204
	J&K	2228	557	48.4	39.1	5.6	409
WR	Chandigarh	224	0	3.8	3.7	0.0	21
	Chhattisgarh	3181	0	71.1	10.0	0.6	462
	Gujarat	10289	0	213.8	57.0	-0.3	687
	MP	9733	0	207.5	115.3	-2.1	196
	Maharashtra	19600	0	397.4	128.4	-1.4	410
	Goa	505	0	8.6	8.3	-0.3	48
	DD	259	0	5.7	5.5	0.2	29
	DNH	686	0	15.4	15.7	-0.3	41
SR	Essar steel	518	0	9.0	8.4	0.6	239
	Andhra Pradesh	6912	0	141.3	7.1	3.9	547
	Telangana	7611	0	145.1	65.9	-0.4	280
	Karnataka	9071	0	189.9	63.5	4.4	424
	Kerala	3292	0	63.2	55.2	2.3	204
	Tamil Nadu	11964	0	244.5	127.4	-0.6	565
	Pondy	261	0	5.2	5.9	-0.7	22
	ER	Bihar	3559	0	62.7	60.6	0.2
DVC		2746	0	61.7	-37.1	-0.9	150
Jharkhand		1177	0	23.2	19.0	1.3	100
Odisha		3611	0	69.5	16.1	1.2	150
West Bengal		6344	0	104.3	26.2	0.8	200
Sikkim		88	0	1.5	1.5	0.1	15
NER	Arunachal Pradesh	112	4	2.1	1.9	0.2	5
	Assam	1298	5	21.6	15.9	1.6	158
	Manipur	145	1	2.3	2.4	0.0	16
	Meghalaya	296	0	4.8	4.7	-0.2	22
	Mizoram	91	1	1.5	1.2	0.2	30
	Nagaland	98	2	2.2	1.8	0.3	2
	Tripura	209	0	3.2	2.0	-0.3	8

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.9	-7.3	-8.0
Day peak (MW)	153.4	-374.4	-601.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	210.6	-205.1	67.3	-73.6	2.7	1.9
Actual(MU)	200.9	-210.9	73.9	-70.7	3.6	-3.2
O/D/U/D(MU)	-9.7	-5.8	6.6	2.9	0.9	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6964	10451	2520	1450	84	21469
State Sector	10075	20501	7652	5594	110	43932
Total	17039	30952	10172	7044	193	65401

*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(ग्रि०प्र०)/अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिड)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES								Date of Reporting :	15-Jan-17
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	393	0.0	13.4	-13.4	
2		SASARAM-FATEHPUR	S/C	118	175	0.0	0.5	-0.5	
3		GAYA-BALIA	S/C	0	363	0.0	5.9	-5.9	
4	HVDC LINK	PUSAULI B/B	S/C	3	247	0.0	5.1	-5.1	
5	400 KV	PUSAULI-SARNATH	S/C	0	230	0.0	0.0	0.0	
6		PUSAULI -ALLAHABAD	S/C	79	50	0.0	0.0	0.0	
7		MUZAFFARPUR-GORAKHPUR	D/C	75	393	0.0	5.5	-5.5	
8		PATNA-BALIA	Q/C	0	908	0.0	17.3	-17.3	
9		BIHARSHARIFF-BALIA	D/C	45	234	0.0	3.2	-3.2	
10	400 KV	BARH-GORAKHPUR	D/C	0	565	0.0	11.5	-11.5	
11		BIHARSHARIFF-VARANASI	D/C	23	0	0.0	1.4	-1.4	
12	220 KV	PUSAULI-SAHUPURI	S/C	0	159	0.0	1.6	-1.6	
13	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
14		GARWAH-RIHAND	S/C	35	0	0.5	0.0	0.5	
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						0.5	65.3	-64.8	
Import/Export of ER (With WR)									
17	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	921	0.0	13.5	-13.5	
18		NEW RANCHI-DHARAMJAIGARH	D/C	385	149	3.7	0.0	3.7	
19	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	83	76	0.5	0.0	0.5	
20		JHARSUGUDA-RAIGARH	S/C	85	36	0.5	0.0	0.5	
21		IBEUL-RAIGARH	S/C	63	22	0.4	0.0	0.4	
22		STERLITE-RAIGARH	D/C	0	300	0.0	4.7	-4.7	
23		RANCHI-SIPAT	D/C	197	14	2.5	0.0	2.5	
24	220 KV	BUDHIPADAR-RAIGARH	S/C	41	113	0.0	0.8	-0.8	
25		BUDHIPADAR-KORBA	D/C	201	0	3.0	0.0	3.0	
ER-WR						10.7	19.1	-8.4	
Import/Export of ER (With SR)									
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	334	0.0	12.8	-12.8	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2453	0.0	35.1	-35.1	
28	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0	0.0	0.0	0.0	
29	400 KV	TALCHER-I/C		0.0	0	0.0	0.1	-0.1	
30	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0.0	0.0	0.0	
ER-SR						0.0	47.9	-47.9	
Import/Export of ER (With NER)									
31	400 KV	BINAGURI-BONGAIGAON	D/C	512	93	3.9	0.0	4	
32		ALIPURDUAR-BONGAIGAON	D/C	364	95	3.2	0.0	3	
33	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	1.1	0.0	1	
ER-NER						8.1	0.0	8.1	
Import/Export of NR (With NER)									
34	HVDC LINK	BISWANATH CHARIALI-AGRA	-	0	0	0.0	12.0	12.0	
NR-NER						0.0	12.0	12.0	
Import/Export of WR (With NR)									
35	HVDC LINK	V'CHAL B/B	D/C	300	50	5.4	0.2	5.2	
36	HVDC LINK	APL-MHG	D/C	0	2520	0.0	54.9	-54.9	
37	765 KV	GWALIOR-AGRA	D/C	0	3004	0.0	60.2	-60.2	
38	765 KV	PHAGI-GWALIOR	D/C	0	1542	0.0	33.1	-33.1	
39	400 KV	ZERDA-KANKROLI	S/C	160	29	1.3	0.0	1.3	
40	400 KV	ZERDA -BHINMAL	S/C	102	192	0.0	1.1	-1.1	
41	400 KV	V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
42	400KV	RAPP-SHUJALPUR	D/C	0	425	0	7	-7	
43	220 KV	BADOD-KOTA	S/C	49	12	0.5	0.1	0.4	
44		BADOD-MORAK	S/C	5	71	0.0	0.9	-0.8	
45		MEHGAON-AURAIYA	S/C	72	0	1.1	0.0	1.1	
46		MALANPUR-AURAIYA	S/C	26	5	0.2	0.0	0.2	
47	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						8.6	157.6	-149.1	
Import/Export of WR (With SR)									
48	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	23.3	-23.3	
49	HVDC LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
50	765 KV	SOLAPUR-RAICHUR	D/C	0	2112	0.0	41.1	-41.1	
51	400 KV	KOLHAPUR-KUDGI	D/C	0	356	0.0	3.8	-3.8	
52	220 KV	KOLHAPUR-CHIKODI	D/C	0	265	0.0	5.6	-5.6	
53		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
54		XELDEM-AMBEWADI	S/C	85	0	1.4	0.0	1.4	
WR-SR						1.4	73.8	-72.4	
TRANSNATIONAL EXCHANGE									
54		BHUTAN						2.9	
55		NEPAL						-7.3	
56		BANGLADESH						-8.0	

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

Date of Reporting: 15.01.17

Northern Region

	08.01.17 TO 14.01.17	08.01.16 TO 14.01.16	% Increase
Peak Demand	42107	39159	7.5
Peak Shortage	1158	1910	-39.4
Energy Met	870	843	3.2
Hydro	98	125	-21.4
Wind	14	4	296.1

Eastern Region

	08.01.17 TO 14.01.17	08.01.16 TO 14.01.16	% Increase
Peak Demand	16970	16578	2.4
Peak Shortage	189	218	-13.1
Energy Met	320	328	-2.5
Hydro	19	17	13.8
Wind	-	-	-

Western Region

	08.01.17 TO 14.01.17	08.01.16 TO 14.01.16	% Increase
Peak Demand	41756	38743	7.8
Peak Shortage	28		#DIV/0!
Energy Met	977	929	5.1
Hydro	43	35	21.6
Wind	36	49	-25.8

North-Eastern Region

	08.01.17 TO 14.01.17	08.01.16 TO 14.01.16	% Increase
Peak Demand	2254	2229	1.1
Peak Shortage	33	112	-70.8
Energy Met	38	38	-0.3
Hydro	10	7	40.9
Wind	-	-	-

Southern Region

	08.01.17 TO 14.01.17	08.01.16 TO 14.01.16	% Increase
Peak Demand	35890	33376	7.5
Peak Shortage	0	599	-100.0
Energy Met	849	778	9.1
Hydro	40	48	-17.2
Wind	16	20	-17.4

All India Summary

	08.01.17 TO 14.01.17	08.01.16 TO 14.01.16	% Increase
Peak Demand	138976	130084	6.8
Peak Shortage	1408	2839	-50.4
Energy Met	3053	2917	4.7
Hydro	211	233	-9.4
Wind	67	72	-7.3
Gen Outage	66102	31624	109.0

All India Frequency Profile

Date	<49.7		49.7-49.8		AVE. Freq.	FVI
	14.01.17	14.01.16	14.01.17	14.01.16	14.01.17	14.01.17
NEW GRID	0.0	0.0	0.4	0.3	50.01	0.048
SR GRID	0.0	0.0	0.4	0.3	50.01	0.048

Date	49.8-49.9		<49.9		49.9-50.05		>50.05	
	14.01.17	14.01.16	14.01.17	14.01.16	14.01.17	14.01.16	14.01.17	14.01.16
NEW GRID	3.33	7.15	3.76	7.4	67.62	66.66	28.62	28.89
SR GRID	3.33	7.15	3.76	7.4	67.62	66.66	28.62	28.89

2). Market Data (Power Exchange)

For Date: 15.01.17

Volume

Exchange	Provisional (MUs)	Final (MUs)
PXI	0.26	0.13
IEX	98.40	90.03
Total	98.66	90.16

Congestion

Link	Time Block
ER-SR	23-88
SR DRAWAL	23-88
WR-SR	01-96
NR Drawl	33-70,73-93
WR - NR	NIL

DATE OF REPORTING: 15.01.2017								
LINE OUTAGE REPORT FOR 14.01.2017								
Sl. No.	Name of Line	Voltage (kV)	Region	Ownership	Outage		Revival	Reason of Outage/Remark
					Date	Time		
IR Links								
1	BMC-AGRA POLE I	800 HVDC	NER-NR	POWERGRID	11.01.2017	0901	STILL OUT	SWAPPING OF POLES
SR								
1	BHIVANS-BND I	400	NR	PGCIL	11-12-2016	01:29	STILL OUT	HIGH VOLTAGE
2	RATANGARH-SURATGARH I	400	NR	BEVNL	05.01.2017	04:42	STILL OUT	HIGH VOLTAGE
3	PATHBADA-HSAR	400	NR	PGCIL	10.01.2017	22:03	STILL OUT	HIGH VOLTAGE
4	AMBITSAH-PARB-POL I	400	NR	PGCIL	13.01.2017	20:37	STILL OUT	HIGH VOLTAGE
5	BASSI-BRWADI I	400	NR	PGCIL	13.01.2017	20:52	STILL OUT	HIGH VOLTAGE
6	CHAMBRA POOL-JALANDHAR I	400	NR	PGCIL	13.01.2017	21:31	STILL OUT	HIGH VOLTAGE
7	JALANDHAR-KURKSHETRAPG I	400	NR	PGCIL	13.01.2017	21:35	STILL OUT	HIGH VOLTAGE
8	JALANDHAR-KURKSHETRAPG I	400	NR	PGCIL	14.01.2017	22:18	STILL OUT	HIGH VOLTAGE
9	AMBITSAH-PARB-POL I	400	NR	PSEB	14.01.2017	06:28	STILL OUT	HIGH VOLTAGE
10	HSAR-KATHAL I	400	NR	PGCIL	14.01.2017	02:15	STILL OUT	HIGH VOLTAGE
11	HSAR-MOGA I	400	NR	PGCIL	14.01.2017	02:16	STILL OUT	HIGH VOLTAGE
12	HIKANER-EDWANA I	400	NR	BEVNL	14.01.2017	17:32	STILL OUT	HIGH VOLTAGE
13	NIERTA-RATANGARH	400	NR	BEVNL	14.01.2017	18:54	STILL OUT	HIGH VOLTAGE
14	JODHPUR-DHERTA I	400	NR	BEVNL	14.01.2017	19:50	STILL OUT	HIGH VOLTAGE
15	RATANGARH (NPNL) -SIKAR (PO) - I	400	NR	PGCIL	14.01.2017	20:11	STILL OUT	HIGH VOLTAGE
WB								
1	DURGAPUS-CHAMPALI	765 kV	WB	PGCIL	12.01.17	09:38	STILL OUT	HIGH VOLTAGE
2	DURGAMANGALPUR-JALAPUR (PO) III	765 kV	WB	PGCIL	12.01.17	21:23	STILL OUT	HIGH VOLTAGE
3	PUNE GISHIKHAPUR-SOLAPUR (PO) I	765 kV	WB	PGCIL	14.01.17	19:50	STILL OUT	HIGH VOLTAGE
4	BHUVANESHWAR-VADINAGAR (CTD)-II	400 kV	WB	PGCIL	18.09.16	02:35	STILL OUT	HIGH VOLTAGE
5	BHUVANESHWAR-VADINAGAR (CTD)-II	400 kV	WB	PGCIL	06.10.16	09:58	STILL OUT	HIGH VOLTAGE
6	CHHROGAN-JULWANA S-C-1	400 kV	WB	MPPTCL	21.12.16	19:53	STILL OUT	HIGH VOLTAGE
7	KOLHAPUR-GISHIKHAPUR (PO) I	400 kV	WB	PGCIL	14.01.17	16:38	STILL OUT	HIGH VOLTAGE
8	KOLHAPUR (PO) I	400 kV	WB	MPPTCL	14.01.17	19:57	STILL OUT	HIGH VOLTAGE
TR								
1	TALA-BAKAGRI-IV	400	TR	PGCIL	01.11.16	13:29	STILL OUT	HIGH VOLTAGE
AP								
1	SATTENAPALLY-SIRIKALLAM I	400	SR	APTRANSCO	05.11.16	19:16	STILL OUT	HIGH VOLTAGE
2	KAYATHIR-KAMDHY I	400	SR	IN	04.12.16	23:40	STILL OUT	HIGH VOLTAGE
3	MAHARAJGARH-IRAVAKONDA - 2	400	SR	APTRANSCO	22.12.16	21:52	STILL OUT	HIGH VOLTAGE
4	IRAVAKONDA-JAMMALAMADURU - 2	400	SR	APTRANSCO	22.12.16	21:54	STILL OUT	HIGH VOLTAGE
5	VEMAGIRI-THIRUJAGHRI	400	SR	APTRANSCO	26.12.16	13:54	STILL OUT	HIGH VOLTAGE
6	HAMMALMADURU-KURNADU	400	SR	PGCIL	26.12.16	13:51	STILL OUT	HIGH VOLTAGE
7	PUGLUR-KABARKUDU I	400	SR	PGCIL	26.12.16	02:20	STILL OUT	HIGH VOLTAGE
8	MAHARAJGARH-IRAVAKONDA - 1	400	SR	PGCIL	31.12.16	20:05	STILL OUT	HIGH VOLTAGE
9	KURNOOL-NPS I	765	SR	PGCIL	31.12.16	04:11	STILL OUT	HIGH VOLTAGE
10	KUDDE-THIRUJAGHRI	400	SR	PGCIL	01.01.17	23:48	STILL OUT	HIGH VOLTAGE
11	VEMAGIRI-KURNOOL	400	SR	PGCIL	02.01.17	01:51	STILL OUT	HIGH VOLTAGE
12	VEMAGIRI-GOUTHAMI CCCP I	400	SR	APTRANSCO	04.01.17	15:14	STILL OUT	HIGH VOLTAGE
13	VYAS-MALAKAM	400	SR	APTRANSCO	06.01.17	09:59	STILL OUT	HIGH VOLTAGE
14	KUDDE-THIRUJAGHRI - 2	400	SR	PGCIL	06.01.17	21:16	STILL OUT	HIGH VOLTAGE
15	KURNOOL-THIRUJAGHRI	400	SR	PGCIL	06.01.17	21:52	STILL OUT	HIGH VOLTAGE
16	KURNOOL-THIRUJAGHRI - 2	765	SR	PGCIL	10.01.17	05:57	STILL OUT	HIGH VOLTAGE
17	KUDDE-THIRUJAGHRI	400	SR	APTRANSCO	12.01.17	03:09	STILL OUT	HIGH VOLTAGE
18	KUDDE-THIRUJAGHRI - I	400	SR	APTRANSCO	14.01.17	23:05	STILL OUT	HIGH VOLTAGE
KA								
1	BAJAPARA-BISWANATH CHARALI I	400	NR	POWERGRID	20.12.2016	23:20	STILL OUT	HIGH VOLTAGE
2	BAJAPARA-BONGARGAMIN-II	400	NR	POWERGRID	14.01.2017	21:19	STILL OUT	HIGH VOLTAGE
3	BAJAPARA-BONGARGAMIN-IV	400	NR	POWERGRID	13.01.2017	23:06	STILL OUT	HIGH VOLTAGE
4	POK-KANANUR I	400	NR	POWERGRID	14.01.2016	3:59	STILL OUT	HIGH VOLTAGE
5	BIBHAM-PALAPOL	400	NR	ADGCL-APSPCL	10.01.2017	17:27	STILL OUT	HIGH VOLTAGE
6	ALPINDGAR-BONGARGAMIN I	400	NR	POWERGRID	14.01.2016	00:41	STILL OUT	HIGH VOLTAGE
LNES UNDER BK								
CENTRAL SECTOR								
11	PATNA-KISHANGANJ DC	400	ER	PGCIL	26.07.16	1200	STILL OUT	TOWER COLLAPSED AT LOC NO 51
12	BHARSARIPUR-PUENIA I & II	400	ER	PGCIL	23.08.16	06:51	STILL OUT	Three numbers of tower are badly damaged at location 469, 470 & 471 (In the mid of river Ganga).
13	MARIANI-MOKRACHENG-II	220	NR	PGCIL	12.01.17	01:11	STILL OUT	TOWER TILT
14	ATHENA-KOTRAPS-I	400	WR	PGCIL	30.04.16	23:02	STILL OUT	Y-PP at rt edge operates at Athena, provision of dr tilt relay at Athena and settings are being checked by
15	ATHENA-KOTRAPS-II	400	WR	PGCIL	01.05.16	11:46	STILL OUT	FOR TESTING AND CHECKING WORKS. Kept out after PTC
16	BINSINGI-NIPTI-LSNA-S-C	400	WR	PGCIL	21.10.16	18:11	STILL OUT	The NPTCL setting is completed on the line is kept open.
17	KHANDWA-BETUL-I	400	WR	PGCIL	08.12.16	16:40	STILL OUT	B-PHASE FAULT
18	KHANDWA-BETUL-II	400	WR	PGCIL	14.12.16	00:39	STILL OUT	Taken out after successful test changing the SCT-1,2 & BR for the first time
19	SKS-KOTRAPS-II	400	WR	PGCIL	27.12.16	15:50	STILL OUT	For OCC/SCC testing of GT-2 at SPCCCL
20	VARDHA-SURANGARAD-IV	765	WR	PGCIL	12.01.17	16:30	STILL OUT	FIX IN B-PHASE GEOPCCL
STATE SECTOR								
1	HAMMALMADURU-JATIKALAPG I	400	NR	PTL	22.05.16	20:29	STILL OUT	Tower damage (First dead end tower from Bannam S S) / Ckt-II charge through ERS tower
2	WARA-BIHANNAGAR-II	220	ER	WBSPCL	10.09.16	18:46	STILL OUT	LINE UNDER BK, TOWER COLLAPSED AT LOC NO 28
3	BAJAPARA-VI-SILO	220	ER	OPTCL-APSPCL	27.04.15	13:40	STILL OUT	LINE END CHARGED FROM UPPER END. END AT 10:06 HRS OF 05.06.16
4	MERRAMANDALI-MENDHASAL-S-C	400	ER	OPTCL	23.05.16	17:20	STILL OUT	TOWER COLLAPSED NEAR TO MENDHASAL, LOC NO 183,181,182.
5	KURKSHETRAPG-MALERKOTLA (PO) I	400	NR	NRS&HB	11.01.2017	11:05	STILL OUT	PROBLEM IN CBS AT MALERKOTLA
6	KURKSHETRAPG-MALERKOTLA (PO) 2	400	NR	NRS&HB	11.01.17	11:05	STILL OUT	PROBLEM IN CBS AT MALERKOTLA
7	DRILE-SARDAR SAROVAR-II	400 kV	WR	MPSTCL	14.01.2017	14:20	STILL OUT	DISTANCE PROTECTION MAL-OPERATION AT SSP END ONLY. LINE HT AT DRILE END FOR THROUGH CHARGING AT SSE END.
8	SSP-RAGARHI	400 kV	WR	MPPTCL	14.01.2017	18:05	STILL OUT	Tripped on high voltage
9	SSP-RAGARHI	400 kV	WR	SSP	14.01.2017	18:05	STILL OUT	Tripped on high voltage
10	KARAK-KOHPUR-C	400 kV	WR	RETL	14.01.2017	18:51	STILL OUT	NA
11	SATNAPUR-MAHARAJGARH-S-C	220 kV	WR	MPPTCL	26-10-2016	19:46	STILL OUT	Kept open at Malda end to get PMT requirement
LNES UNDER SR								
CENTRAL SECTOR								
1	SIKHAH-BHIRARA	220	BIH-TANER	POWERGRID	29.11.16	20:57	STILL OUT	CONDUCTOR REPLACEMENT
2	SIKHAMADANI-I	400	WR	PGCIL	22.12.16	08:46	STILL OUT	Shoring Tower Bannam works @ Malda
3	SIKHAMADANI-IV	400	WR	PGCIL	22.12.16	09:02	STILL OUT	Shoring Tower Bannam works @ Malda
4	GUTHUR-NARENDRAPUR I	400	SR	PGCIL	22.12.16	07:55	STILL OUT	ANNUAL MAINTNANCE
5	KUDDE-NARENDRAPUR I	400	SR	PGCIL	11.01.16	11:33	STILL OUT	LINE SWAP
6	MARIANI-MOKRACHENG-I	220	NR	PGCIL	26.12.16	07:14	STILL OUT	S.D caused by PGCIL
7	PSP-PTCL I	400	NR	PGCIL	09.01.17	03:51	STILL OUT	GIS TRUCK
8	SIRIKALLAM-ANGELI-REI	765	SR-ER	PGCIL	06.01.17	09:14	STILL OUT	MAINTNANCE WORK
9	VAPP-KARAKPUR-I	400	NR	PGCIL	11.01.17	02:01	STILL OUT	TO PENN-BALANCE WORK
10	VAPP-KARAKPUR-II	400	NR	PGCIL	11.01.17	02:01	STILL OUT	TO PENN-BALANCE WORK
11	BHUKHESHPUR-SANSARPUR (PO) I	400	NR	PGCIL	14.01.17	13:58	STILL OUT	For APNWB online work at HLT Point. This line to be HLTED at Debnagar (see report)
STATE SECTOR								
1	BASPAPUR-KARCHAMWANGTOD (PO) 2	400	NR	JPVVDRB	13.12.16	09:42	STILL OUT	For testing of line protection and GIS Maintenance at K Waingar HEP.
2	BASPAPUR-KARCHAMWANGTOD (PO) 1	400	NR	JPVVDRB	13.01.17	23:22	STILL OUT	For reactivation of 4x25 which is out since 13.11.16 due to under 2 fault in GIS Busbar
3	MIRAMANDALI-BHANNAGAR - I	220	ER	OPTCL	25.11.16	09:53	STILL OUT	UNDER CONTINGENCY S.C. CONDUCTOR REPLACEMENT
4	VIAHWADA-VIMASIRI-II	400	SR	APTRANSCO	01.01.17	09:08	STILL OUT	CONSTRUCTION WORKS
5	VEMAGIRI-SATTENAPALLY	400	SR	APTRANSCO	01.01.17	09:40	STILL OUT	ERUCTION WORKS
6	ALKUD-SOLAPUR-S-C	400	WR	ISTS	01.01.17	10:52	STILL OUT	CHARGING TEST COMPLETED
7	ALKUD-SOLAPUR-S-C	400	WR	ISTS	01.01.16	20:17	STILL OUT	TRIAL CHARGING COMPLETED
8	KARAK-KOHPUR-C	400	WR	MPSTCL	14.01.2017	10:22	STILL OUT	Cold washing of Insulators Strings
9	HAMMALMADURU-KURNADU	400	SR	APTRANSCO	07.01.17	18:25	STILL OUT	CONSTRUCTION WORKS
SYSTEM CONSTRAINTS								
CENTRAL SECTOR								
1	SARINATHPUR-VARANASI (PO) I	400	NR	PGCIL	11.01.17	14:03	STILL OUT	DEE TO OVERLOADING OF ANSARA-SARINATH
STATE SECTOR								

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

Date of Reporting: 15.01.2017

	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				426	1	426
		Total				426	1	426
	AURAIYA	GAS	663			0	0	0
		RLNG				0	0	0
		LF				637	1	636
		Total				637	1	636
	DADRI	GAS	830			237	212	25
		RLNG				0	0	0
		LF				595	1	594
		Total				832	213	619
	NR TOTAL	1912			1895	214	1681	
WR	KAWAS	GAS	656			233	128	105
		NAPM				0	0	0
		LF				74	0	74
		RLNG				343	0	343
		Total		0	0	650	128	522
	GANDHAR	GAS	657			285	234	51
		NAPM				89	64	24
		RLNG				62	0	62
		Total		0	0	436	299	137
	RGPPL	GAS	1967			88	2	86
		RLNG				0	0	0
		RLNG-EBID				511	465	46
		Total		0	0	599	467	132
		WR TOTAL	3280	0	0	1685	894	791

Note:-

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

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 14.01.2017
Date of Reporting : 15.01.2017



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 ^a (Hz)	Demand Met	Shortage	Requirement	Freq ^a (Hz)	Demand Met	Shortage
42407	651	43058	49.98	30826	453	31280	49.99	891.04	18.13

^a 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	47.18	8.34	0.34	55.86	43.36	43.65	0.29	99.50	0.00
Haryana	53.96	0.38	0.00	54.34	66.59	64.88	-1.71	119.21	0.00
Rajasthan	110.32	4.90	20.88	136.09	70.06	72.10	2.05	208.20	0.99
Delhi	12.10		0.00	12.10	50.97	52.06	1.09	64.17	0.02
UP	192.64	6.95	0.00	199.58	88.46	89.21	0.75	288.79	2.25
Uttarakhand		8.62	0.00	11.67	20.20	21.52	1.32	33.19	2.76
HP		3.78	1.03	3.78	20.87	22.02	1.15	25.79	0.00
J & K		3.77	0.00	3.77	39.05	44.66	5.61	48.43	12.11
Chandigarh				0.00	3.73	3.76	0.03	3.76	0.00
Total	416.19	36.73	22.25	477.18	403.28	413.86	10.57	891.04	18.13

[§] Shortage furnished by the respective constituent. 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	STO/AX transaction	Demand Met	Shortage	UI	STO/AX transaction			
Punjab	5067	0	-47	-673	2963	0	-90	-545	5079	8:00	0
Haryana	6514	0	-180	-226	3339	0	-60	-485	6514	19:00	0
Rajasthan	9231	0	-37	657	8133	0	72	757	9836	9:00	101
Delhi	3164	0	-114	77	1565	0	120	-632	3983	12:00	0
UP	12909	110	-206	-218	10920	0	-37	98	13211	7:00	0
Uttarakhand	1903	0	-33	217	1257	0	-6	361	1903	19:00	0
HP	1260	0	35	355	742	0	3	511	1463	10:00	0
J&K	2162	541	165	812	1813	453	146	888	2228	8:00	557
Chandigarh	196	0	-22	19	95	0	-8	0	224	9:00	0
Total	42407	651	-438	1021	30826	453	140	954	42407	19:00	651

[§] STO/A figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.05

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

III. Regional Entities :

Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1890	2041	1653	43.85	1827	43.53		0.31
Rihand I STPS (2*500)	1000	947	989	687	20.27	845	20.77		-0.50
Rihand II STPS (2*500)	1000	957	971	714	20.88	870	21.39		-0.51
Rihand III STPS (2*500)	1000	908	964	772	20.08	836	20.63		-0.56
Dadri I STPS (4*210)	840	815	189	154	4.15	173	4.34		-0.20
Dadri II STPS (2*490)	980	980	459	335	9.97	415	10.80		-0.83
Unchahar I TPS (2*210)	420	349	219	275	6.83	284	7.40		-0.57
Unchahar II TPS (2*210)	420	405	375	297	7.63	318	8.43		-0.80
Unchahar III TPS (1*210)	210	203	178	138	3.74	156	4.24		-0.49
ISTPP (Jhajjar) (3*500)	1500	1440	0	0	-0.20	-8	0.00		-0.20
Dadri GPS (4*130.19+2*154.51)	830	832	181	178	4.43	185	5.11		-0.68
Anta GPS (3*88.71+1*153.2)	419	426	0	0	0.00	0	0.02		-0.02
Auraiya GPS (4*111.19+2*109.30)	663	637	0	0	0.00	0	0.02		-0.02
Dadri Solar(5)	5	1	0	0	0.01	1	0.02		-0.01
Unchahar Solar(10)	10	1	0	0	0.04	2	0.04		0.00
Singrauli Solar(15)	15	2	0	0	0.06	2	0.05		0.01
KHEP(4*200)	800	870	764	436	2.61	109	2.61		0.00
Sub Total (A)	12112	11663	7330	5639	144	6014	149		-5.06
B. NPC									
NAPS (2*220)	440	418	458	459	10.12	422	10.03		0.09
RAPS- B (2*220)	440	199	452	452	9.78	407	4.78		5.00
RAPS- C (2*220)	440	220	239	239	5.05	210	5.28		-0.23
Sub Total (B)	1320	837	1149	1150	24.94	1039	20.09		4.86
C. NHPC									
Chamera I HPS (3*180)	540	540	547	0	1.83	76	1.62		0.21
Chamera II HPS (3*100)	300	301	306	0	1.04	43	0.95		0.09
Chamera III HPS (3*77)	231	167	157	0	0.51	21	0.50		0.01
Bairasul HPS(3*60)	180	179	182	0	0.47	19	0.45		0.02
Salal-HPS (6*115)	690	78	230	100	2.10	88	1.88		0.23
Tanakpur-HPS (3*31.4)	94	21	21	21	0.57	24	0.49		0.07
Uri-I HPS (4*120)	480	103	229	81	2.65	110	2.48		0.17
Uri-II HPS (4*60)	240	69	120	79	1.72	72	1.67		0.05
Dhauliganga-HPS (4*70)	280	210	214	0	0.82	34	0.77		0.05
Dulhasi-HPS (3*130)	390	329	266	0	2.55	106	2.40		0.15
Sewa-II HPS (3*40)	120	100	12	0	0.21	9	0.30		-0.09
Parbati 3 (4*130)	520	130	139	0	0.42	17	0.39		0.03
Sub Total (C)	4065	2226	2424	281	15	620	14		0.97
D.SJVNL									
NJPC (6*250)	1500	1390	1326	0	6.13	255	6.35		-0.22
Rampur HEP (6*68.67)	412	383	377	0	1.68	70	1.75		-0.07
Sub Total (D)	1912	1774	1703	0	7.81	325	8.10		-0.29
E. THDC									
Tehri HPS (4*250)	1000	976	972	0	8.70	363	8.56		0.14
Koteshwar HPS (4*100)	400	128	394	71	3.10	129	3.06		0.04
Sub Total (E)	1400	1104	1366	71	11.80	492	11.62		0.18
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	524	1094	400	13.20	550	12.59		0.62
Dehar HPS (6*165)	990	108	495	0	2.70	112	2.59		0.11
Pong HPS (6*66)	396	213	396	0	5.11	213	5.10		0.01
Sub Total (F)	2765	845	1985	400	21.01	876	20.28		0.74
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.35	15	0.34		0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.19	133	3.56		-0.36
Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18		0.01
Shree Cement TPS (2*150)	300	0	157	146	3.73	155	2.82		0.90
Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.15		-0.02
Sub Total (G)	1662	0	787	146	7.60	317	7.04		0.55
H. Total Regional Entities (A-G)	25237	18448	16744	7687	232.37	9682	230.43		1.94

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	182	183	4.06	169
	Goindwal (GVK) (2*270)	540	0	0	-0.03	-1

	Rajpura (2*700)	1400	1220	660	25.52	1063
	Talwandi Saboo (3*660)	1980	616	616	17.78	741
	Thermal (Total)	6560	2018	1459	47.18	1966
	Total Hydro	1000	318	229	8.34	348
	Wind Power	0	0	0	0.00	0
	Biomass	288	12	12	0.28	12
	Solar	560	0	0	0.06	3
	Renewable(Total)	848	12	12	0.34	14
	Total Punjab	8408	2348	1700	55.86	2327
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	277	462	8.93	372
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1160	768	23.89	995
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1207	739	21.13	881
	Thermal (Total)	4497	2644	1969	53.96	2248
	Total Hydro	62	14	14	0.38	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	2658	1983	54.34	2264
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	979	958	23.93
suratgarh TPS (6*250)		1500	181	185	4.88	203
Chabra TPS (4*250)		1000	770	823	19.93	830
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	173	154	3.59	150
RAPS A (NPC) (1*100+1*200)		300	190	190	4.33	180
Barsingar (NLC) (2*125)		250	227	150	4.77	199
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	581	381	13.53	564
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	817	822	22.04	918
Kawai(Adani) (2*660)		1320	605	443	13.33	555
Thermal (Total)		8876	4523	4106	110.32	4597
Total Hydro		550	254	196	4.90	204
Wind power		4017	1048	1207	20.56	857
Biomass		99	13	13	0.31	13
Solar		1295	0	0	0.00	0
Renewable/Others (Total)		5411	1061	1220	20.88	870
Total Rajasthan		14837	5838	5522	136.09	5671
UP		Anpara TPS (3*210+2*500)	1630	1406	1106	29.80
	Obra TPS (2*50+2*94+5*200)	1194	488	446	11.60	483
	Paricha TPS (2*110+2*220+2*250)	1160	651	662	19.40	808
	Panki TPS (2*105)	210	135	131	3.10	129
	Harduaqanj TPS (1*60+1*105+2*250)	665	411	415	11.70	488
	Tanda TPS (NTPC) (4*110)	440	376	282	8.54	356
	Roza TPS (IPP) (4*300)	1200	756	752	23.40	975
	Anpara-C (IPP) (2*600)	1200	1067	815	24.40	1017
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	194	194	5.90	246
	Anpara-D(2*500)	1000	579	599	13.90	579
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	880	728	20.50	854
	Thermal (Total)	12449	6943	6130	172.24	7177
	Vishnuparyag HPS (IPP)(4*110)	440	78	73	1.74	72
	Alaknada(4*82.5)	330	77	0	1.01	42
	Other Hydro	527	237	133	4.20	175
	Cogeneration	981	850	850	20.40	850
	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	8185	7186	199.58	8316
Uttarakhand	Other Hydro	1250	424	349	8.62	359
	Total Gas	225	263	94	3.01	125
	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	687	443	11.67	486
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	103	75	1.87	78
	Pragati Gas Turbine (2x104+ 1x122)	330	133	137	3.39	141
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	264	280	6.85	285
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	501	492	12.10	504
	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	501	492	12.10	504
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.95	40
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro	372	61	29	1.59	66
	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	53	37	1.03	43
	Renewable(Total)	486	53	37	1.03	43
	Total HP	1244	114	66	3.78	157
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	118	117	2.82
Other Hydro/IPP(including 98 MW Small Hydro)		308	80	18	0.95	40
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	198	135	4	157	

Total State Control Area Generation	50078	20528	17526	477.18	19883
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7239.47	6983.97	198.86	8286
Total Regional Availability(Gross)	75315	44512	32197	908.41	37851

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8872	1188	61.83	2576
State Control Area Hydro	7163	1977	1289	36.73	1657
Total Regional Hydro	19397	10850	2477	98.56	4234

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.11	5
State Control Area Renewable	7356	1125	1269	22.29	929
Total Regional Renewable	7386	1125	1269	22.40	933

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	
Vindhychal(HVDC B/B)	-300	-300	50	300	0.24	5.41	-5.17
765 KV Gwalior-Agra (D/C)	2220	2356	2930	0	59.90	0.00	59.90
400 KV Zerda-Kankroli	-3	-146	29	160	0.00	1.28	-1.28
400 KV Zerda-Bhimnal	15	-26	192	102	1.11	0.00	1.11
220 KV Auraiya-Malanpur	-60	-75	0	115	0.00	1.37	-1.37
220 KV Badod-Kota/Morak	-35	30	77	60	0.38	0.00	0.38
Mundra-Mohinderghar(HVDC Bipole)	2499	1599	2507	0.00	54.94	0.00	54.94
400 KV RAPPCC-Sujalpur	250	281	425	0	7.05	0.00	7.05
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1146	1234	1519	0	32.56	0.00	32.56
Sub Total WR	5732	4953			156.19	8.06	148.12
400 kV Sasaram - Varanasi	213	199	225	0	4.52	0.00	4.52
400 kV Sasaram - Allahabad	25	41	44	72	0.39	0.00	0.39
400 KV MZP- GKP (D/C)	66	309	338	0	5.45	0.00	5.45
400 KV Patna-Balia(D/C) X 2	528	629	868	0	16.04	0.00	16.04
400 KV B'Sharif-Balia (D/C)	21	131	222	0	3.15	0.00	3.15
765 KV Gaya-Balia	241	266	348	0	5.97	0.00	5.97
765 KV Gaya-Varanasi (D/C)	422	516	741	0	13.42	0.00	13.42
220 KV Pusaali-Sahupuri	91	95	127	0	1.59	0.00	1.59
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.51	-0.51
132 KV Son Ngr-Rihand	-27	-17	0	30	0.00	0.55	-0.55
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-112	-68	157	112	0.32	0.00	0.32
400 KV Barh -GKP (D/C)	460	462	552	0	11.64	0.00	11.64
400 kV B'Sharif - Varanasi (D/C)	79	-32	205	91	1.35	0.00	1.35
Sub Total ER	2007	2531			63.83	1.06	62.77
+/- 800 KV BiswanathChariali-Agra	-500	-500	0	500.00	0.00	12.03	-12.03
Sub Total NER	-500	-500			0.00	12.03	-12.03
Total IR Exch	7239	6984			220.02	21.16	198.86

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
44.49	0.44	44.93	-0.05	2.05	27.50	0.00	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
72.37	138.24	210.61	50.74	148.12	198.86	-21.63	9.88	-11.75

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	-37	-35	0	38	0	1	-0.82

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	0.43	3.76	41.87	67.62	20.53	7.12	1.03	0.00

----- Frequency (Hz) ----->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index	(Hz)	(Hz)		
50.33	18.03	49.76	12.23	50.01	0.048	0.068	0.00	0.00	32.38

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	407	1:03	397	7:41	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	4:01	400	9:40	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	0:59	397	9:47	0.0	0.0	1.2	0.0	1.2
Kanpur	400	417	0:59	395	9:37	0.0	0.0	0.0	0.0	0.0
Dadri	400	427	3:59	401	9:38	0.0	0.0	22.2	0.0	22.2
Ballabgarh	400	430	4:00	404	9:37	0.0	0.0	33.0	0.0	33.0
Bawana	400	425	3:44	401	9:38	0.0	0.0	19.7	0.0	19.7
Bassi	400	425	4:00	396	9:35	0.0	0.0	2.3	0.0	2.3
Hissar	400	423	4:03	397	12:43	0.0	0.0	1.4	0.0	1.4
Moga	400	415	19:38	402	12:15	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	427	3:03	405	12:15	0.0	0.0	27.6	0.0	27.6
Nalagarh	400	430	3:12	412	12:16	0.0	0.0	39.4	0.0	39.4
Kishenpur	400	419	2:28	397	12:14	0.0	0.0	0.0	0.0	0.0
Wagoora	400	412	17:49	367	10:34	36.3	85.6	0.0	0.0	36.3
Amritsar	400	429	3:07	406	12:14	0.0	0.0	33.8	0.0	33.8
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	2:27	413	5:49	0.0	0.0	22.5	0.0	22.5
Rishikesh	400	422	4:00	391	9:42	0.0	0.0	4.4	0.0	4.4

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	772	20:28	734	9:47	0.0	4.3	0.0	0.0	0.0
Balia	765	787	4:02	749	9:47	0.0	0.0	0.0	0.0	0.0
Moga	765	792	19:43	764	9:38	0.0	0.0	0.0	0.0	0.0

Agra	765	788	4:01	746	9:38	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	3:04	763	9:38	0.0	0.0	20.6	0.0	20.6
Unnao	765	775	4:02	730	9:46	0.0	23.9	0.0	0.0	0.0
Lucknow	765	800	4:00	758	9:47	0.0	0.0	0.0	0.0	0.0
Meerut	765	807	20:26	762	9:38	0.0	0.0	11.6	0.0	11.6
Jhatikara	765	806	4:01	758	9:38	0.0	0.0	10.5	0.0	10.5
Bareilly 765 kV	765	796	4:02	750	9:38	0.0	0.0	0.0	0.0	0.0
Anta	765	796	3:58	758	9:33	0.0	0.0	0.0	0.0	0.0
Phagi	765	804	4:00	754	9:42	0.0	0.0	0.6	0.0	0.6

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	485.53	602.35	498.54	1041.47	154.72	402.10
Pong	426.72	384.05	406.58	388.64	408.74	454.47	58.50	348.10
Tehri	829.79	740.04	802.80	661.80	796.20	544.69	32.21	210.00
Koteshwar	612.50	598.50	610.58	4.95	611.13	4.95	210.00	204.05
Chamera-I	760.00	748.75	759.24	0.00	0.00	0.00	44.99	48.51
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	503.61	1.57	496.61	2.17	41.56	83.67

* 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	-547	2	0	-673	0	0	-18.88	3.83	-15.06
Delhi	-94	-538	0	-277	354	0	-3.94	1.99	-1.95
Haryana	-854	369	0	-517	292	0	-15.11	6.16	-8.96
HP	430	82	0	393	-38	0	11.85	-0.21	11.64
J&K	608	280	0	605	207	0	15.41	5.60	21.01
CHD	0	0	0	0	19	0	0.00	0.14	0.14
Rajasthan	298	459	0	248	409	0	14.43	9.58	24.01
UP	98	0	0	-118	-100	0	-8.53	-1.54	-10.06
Uttarakhand	310	51	0	55	162	0	3.90	2.58	6.48
Total	248	706	0	-284	1305	0	-0.87	28.13	27.26

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-537	-1271	436	-399	0	0
Delhi	-24	-302	800	-585	0	0
Haryana	-517	-854	372	-304	0	0
HP	738	274	149	-416	0	0
J&K	742	590	458	0	0	0
CHD	0	0	43	-21	0	0
Rajasthan	1167	245	460	-156	0	0
UP	155	-962	0	-100	0	0
Uttarakhand	310	41	322	-21	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	1.04%

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

WR	12.50%
ER	0.00%
Simultaneous	6.94%

(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	9
Haryana	3	16
Rajasthan	0	9
Delhi	4	34
UP	0	10
Uttarakhand	3	32
HP	2	29
J & K	6	41
Chandigarh	5	37

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 14.01.2017 :

XVI. Synchronisation of new generating units :

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

1. 1000MVA ICT-1 at 765/400kV GSS Mainpuri(UP) first time charged at no-load from 400kV Side at 1443Hrs of 14.01.2017

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 : 14.01.2017

परी प्रभारी अभियंता / SHIFT CHARGE ENGINEER



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

समय 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 Met (MU)	अभाव/ Shortage (MU)	सूच्य/ Schedule (MU)	वास्तविक/ Actual (MU)	विचलन/ Deviation (MU)
38743	0	38743	33524	0	33524	929	1	-205.1	-210.9	-5.8

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	
50.33	49.76	50.01	0.048	0.00	0.00	3.68	41.66	67.96	28.36	8.24	
18:03	12:23										
Percentage of Time Frequency Remained outside IEGC Band							32.0%	Percentage			
Nos of hours frequency remained outside IEGC Band							7.7	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)			अभाव/ Shortage* (in MU)	
	तापीय/ Thermal	जलीय/ Hydro	पवन/ Wind	सौर-अन्य / Solar-Others	कुल/ Total	सूच्य/ Schedule	वास्तविक/ Actual	अल्पवधि अभिनिम्न / (Deviation)		
गुजरात / Gujarat	131.2	0.6	21.2	4.0	157.0	57.0	56.7	-0.3	213.8	0.0
मध्य प्रदेश/ Madhya Pradesh	54.9	19.3	16.2	4.1	94.4	115.3	113.1	-2.1	207.5	0.0
छत्तीसगढ़/ Chattisgarh	60.5	0.1	0.0	0.0	60.6	10.0	10.6	0.6	71.1	0.6
महाराष्ट्र/ Maharashtra	245.2	12.8	11.4	1.0	270.4	128.4	127.0	-1.4	397.4	0.0
गोवा/ Goa	0.6	0.0	0.0	0.0	0.6	8.3	8.0	-0.3	8.6	0.0
दमन-द्यू/ Daman & Diu	0.0	0.0	0.0	0.0	0.0	5.5	5.7	0.2	5.7	0.0
दादरा नगर हवेली/ Dadra & Nagar Haveli	0.0	0.0	0.0	0.0	0.0	15.7	15.4	-0.32	15.4	0.0
एस्सार स्टील/ Essar Steel	0.0	0.0	0.0	0.0	0.0	8.4	9.0	0.6	9.0	0.0
पश्चिम क्षेत्रीय / Western Regional	492.4	32.8	48.7	9.1	583.0	348.6	345.5	-3.1	928.5	0.6

Note: Shortage as reported by respective entities

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

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

राज्य / क्षेत्र State/Area	समय 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 (MW)	उपलब्धता / Demand Met (MW)	अभाव / Shortage (MW)	उपलब्धता Max Demand Met / बजे Time (MW)	अभाव /Shortage (MW)	औसत/ Average (MW)	अधिकतम/ Maximum (MW)	न्यूनतम/ Minimum (MW)	
गुजरात / Gujarat	8547	0	9271	0	10289	8.00	0	130	687	-472
मध्य प्रदेश/ Madhya Pradesh	8731	0	6746	0	9733	15.00	0	-79	196	-501
छत्तीसगढ़/ Chattisgarh	3181	0	2441	0	3181	19.00	0	10	462	-249
महाराष्ट्र/ Maharashtra	16543	0	13478	0	19600	9.00	0	-64	410	-495
गोवा/ Goa	496	0	369	0	505	22.00	0	6	48	-47
दमन-द्यू/ Daman & Diu	235	0	250	0	259	2.00	0	1	29	-38
दादरा नगर हवेली/ Dadra & Nagar Haveli	662	0	683	0	686	2.00	0	-5	41	-88
एस्सार स्टील/ Essar Steel	348	0	286	0	518	16.00	0	26	239	-176
पश्चिम क्षेत्रीय / Western Regional	38743	0	33524	0	43555	(09:00-09:15)		-15	1347	-1471

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

स्टेशन/ Station	संस्थापित क्षमता/ Installed Capacity	घोषित क्षमता/ ON Bar Declared Capability (Maximum)	वास्तविक उत्पादन/ Actual Generation (Ex-bus)			दैनिक उत्पादन / Day Generation (Ex-bus)			विचलन/ Deviation in 15-minute time block	
			शिखर समय / Peak hour (Avg 15 min)	Off-Peak hour (Avg 15 min)	औसत/ Day Average	सूच्य/ Schedule	वास्तविक/ Actual	विचलन/ Deviation	अधिकतम/ Maximum	न्यूनतम/ Minimum
			(MW)	(MW)	(MW)	(MU)	(MU)	(MU)	(MW)	(MW)
कोरबा / Korba-I&II	2100	1930	1860	1430	1777	43.3	42.6	-0.6	323	-213
कोरबा/ Korba-III	500	401	456	336	435	8.9	10.4	1.5	104	-6
विन्ध्याचल / Vindhyachal-I	1260	1147	816	729	914	18.2	21.9	3.8	321	-15
विन्ध्याचल/ Vindhyachal-II	1000	943	898	567	790	16.7	19.0	2.3	215	-39
विन्ध्याचल/ Vindhyachal-III	1000	943	836	530	737	16.1	17.7	1.6	161	-60
विन्ध्याचल/ Vindhyachal-IV	1000	943	602	526	648	14.8	15.5	0.8	222	-117
विन्ध्याचल/ Vindhyachal-V	500	471	339	231	351	8.4	8.4	0.0	71	-55
सीपत/ Sipat-I	1980	1890	1915	1022	1660	39.4	39.8	0.5	109	-112
सीपत/ Sipat-II	1000	955	957	541	824	19.5	19.8	0.3	282	-157
मौदा-I / Mouda-I	1000	472	270	308	347	8.9	8.3	-0.5	34	-151
सासन/ Sasan	3960	3722	3132	3168	3145	74.7	75.5	0.8	460	-414
मुंद्रा / Mundra	4150	3800	3719	2163	3145	76.6	75.5	-1.1	143	-230
एन एस् पी सी एल / NSPCL	500	465	341	295	340	7.8	8.2	0.3	57	-20
कनकरापूर/Kakrapar	440	0	-2	-2	-2	0.0	0.0	0.0	-2	-3
तारपुर / Tarapur I	320	309	275	275	276	7.4	6.6	-0.8	-28	-35
तारपुर/ Tarapur-II	1080	931	918	939	927	22.2	22.3	0.0	9	-16
कवास/ Kawas	656	160	102	108	112	3.1	2.7	-0.4	14	-53
गंधार/ Gandhar	657	500	272	277	290	6.1	7.0	0.8	105	-41
ई-बीडी/E-Bid RGPPL	1000	561	468	456	443	11.1	10.6	-0.5	58	-54

सदर सरवेयर प्रोजेक्ट / SSP	1450	124	33	117	105	3.0	2.5	-0.5	-2	-126
शुद्ध / Total	25553	21597	18206	14014	17265	406.2	414.4	8.2		

Note:Source SCADA

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

स्टेशन/ Station	संस्थापित क्षमता/ Installed Capacity	वास्तविक उत्पादन/ Actual Generation (Ex-bus)			दैनिक उत्पादन / Day Generation (Ex-bus)			विचलन/ Deviation in 15-minute time block	
		शिखर समय / Peak hour(Avg 15 min)	Off-Peak hour (Avg 15 min)	औसत/ Day Average	शैड्यूल/ Schedule	वास्तविक/ Actual	विचलन/ Deviation	अधिकतम/ Maximum	न्यूनतम/ Minimum
		Effective MW	(MW)	(MW)	(MW)	(MU)	(MU)	(MU)	(MW)
एस्सार महान/ Essar Mahan	600	403	363	378	9.1	9.1	0.0	16	-26
वंदना विद्युत / Vandana Vidyut	135	0	0	0	0.0	0.0	0.0	0	0
बालको/ Balco	1200	219	453	379	6.5	9.1	2.5	373	-114
जे पी नीग्रि/ JP Nigrie	1320	1194	648	992	23.5	23.8	0.3	46	-47
लंको /Lanco	600	556	344	487	11.4	11.7	0.3	71	-73
के एस के / KSK Mahnadi	1200	848	501	709	16.7	17.0	0.3	153	-263
जिंदल/Jindal Stg-1	1000	447	321	409	9.9	9.8	-0.1	30	-60
जिंदल/Jindal Stg-2	1800	565	543	565	13.7	13.7	0.0	17	-36
डी सी पी पी / DCPPI	540	8	-6	3	0.1	0.1	0.0	4	-11
कोरबा वेस्ट / Korba West	600	497	344	456	11.2	10.9	-0.2	12	-108
डी बी पावर/ DBPower	1200	765	678	748	17.8	18.0	0.2	41	-25
एम्को / EMCO	600	455	353	455	10.9	10.9	0.0	49	-39
ACBIL+ Spectrum+MCPL	620	363	370	368	9.1	8.8	-0.3	-2	-33
धारीवाल/ Dhariwal	300	143	140	154	3.7	3.7	0.0	12	-42
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	560	364	458	11.0	11.0	0.0	15	-3
डीजेन/ DGEN	1200	-2	-2	-2	0.0	0.0	0.0	-1	-2
झाबुआ/ Jhabua	600	0	0	0	0.0	0.0	0.0	0	0
शुद्ध / Total	16805	7333	5723	6865	165.3	168.4	3.1		

Note:Source SCADA

7. अंतर क्षेत्रीय विनिमय / Inter regional Exchange

क्षेत्र / Region		शैड्यूल/ Schedule (MU)	वास्तविक/ Actual (MU)	अधिकतम/ Maximum (MW)
उत्तरी क्षेत्र/ Northern Region	आयात / Import	9.3	8.6	715
	निर्यात / Export	147.0	154.1	7367
	शुद्ध / Net	-137.7	-145.5	
पूर्वी क्षेत्र / Eastern Region	आयात / Import	31.4	19.5	1012
	निर्यात / Export	36.1	12.4	964
	शुद्ध / Net	-4.7	7.0	
दक्षिणी क्षेत्र/ Southern Region	आयात / Import	1.7	1.4	0
	निर्यात / Export	64.4	73.8	3468
	शुद्ध / Net	-62.7	-72.4	
पश्चिम क्षेत्रीय / WR Region	आयात / Import	42.5	29.4	1727
	निर्यात / Export	247.6	240.3	11798
	शुद्ध / Net	-205.1	-210.9	

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

8. विभव स्तर/ Voltage Profile-

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	773	2:11:00	754	10:10:00	0	100	0	0.0
सिवनी/Seoni	795	2:00:00	758	12:22:00	0	100	0	0.0
वर्धा/Wardha	805	2:00:00	760	15:14:00	0	96	4	0.9
बीना/Bina	797	2:14:00	757	10:09:00	0	100	0	0.0
इंदौर/Indore	792	18:01:00	757	7:48:00	0	100	0	0.0
सासन/Sasan	780	2:11:00	758	10:11:00	0	100	0	0.0
सतना/Satna	792	2:00:00	757	10:06:00	0	100	0	0.0
तमनार/Tamnar	803	2:01:00	782	19:35:00	0	85	15	3.6
कोटरा/Kotra	805	2:00:00	782	12:39:00	0	75	25	6.1
वडोदरा / Vadodara	780	18:05:00	765	22:25:00	0	100	0	0.0
दुर्ग/Durg	799	0:00:00	772	15:14:00	0	100	0	0.0

9. विभव स्तर/ Voltage Profile-

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	423	01:58	403	10:09	0	82	18	4.4
खंडवा / Khandwa	426	20:50	407	7:47	0	63	38	9.0
इटारसी / Itarsi	417	02:57	398	8:54	0	100	0	0.0
दमोह / Damoh	422	09:57	403	13:37	0	91	9	2.2
नागदा / Nagda	426	19:57	406	7:49	0	100	0	0.0
रायपुर / Raipur	424	01:51	410	11:18	0	66	34	8.1
रायगढ़ / Raigarh	426.88	01:59	0	13:59	12	49	39	12.3
वर्धा / Wardha	423	00:00	404	12:40	0	69	31	7.4
धुले / Dhule	433	20:57	397	06:53	0	76	24	5.7
पारली / Parli	426	19:41	388	08:56	0	90	10	2.5
बोईसर / Boisar	423	02:57	410	11:06	0	65	35	8.3
असोज / Asoj	422	21:57	406	07:39	0	98	2	0.6
देहगाम / Dehgam	430	21:58	0	11:14	1	30	69	16.9
कासोर / Kasor	422	18:01	411	07:42	0	98	2	0.4
जैतपुर / Jetpur	411	21:54	398	07:38	0	100	0	0.0
अमरेली / Amreli	418	21:49	402	03:10	0	100	0	0.0
वापी / Vapi	426	21:49	411	11:44	0	65	35	8.3
कला/ KALA	419	20:06	410	11:32	0	100	0	0.0
मगनरावाड़ा / Maganwara	424	21:42	413	11:06	0	62	38	9.1

हजिरा / Hazira	426	18:00	400	15:14	0	86	14	3.3
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10.अनुपदान वि अग्रिम / STOA (Bilateral & PX)

STOA	STOA Schedule		19:00 hrs Approval		03:00 hrs Approval	
	BILATERAL (MUs)	PX (MUs)	BILATERAL (MW)	PX (MW)	BILATERAL (MW)	PX (MW)
गुजरात / Gujarat	-8.2	7.9	-285	102	-346	406
मध्य प्रदेश Madhya Pradesh	14.0	-2.5	351	-187	339	-48
छत्तीसगढ़ Chhattisgarh	-1.1	-4.5	161	-297	161	-42
महाराष्ट्र Maharashtra	15.1	6.0	825	148	333	133
गोवा/ Goa	0.9	-0.9	108	-25	0	-50
दमन और दीव Daman & Diu	0.1	1.3	29	53	0	53
दादरा नगर हवेली Dadra & Nagar Haveli	0.0	7.6	0	315	0	315
एस्सार स्टील Essar Steel	8.4	0.0	373	0	339	0

State Generators

स्टेशन/ Station	संस्थापित क्षमता/ Installed Capacity	वास्तविक उत्पादन/ Actual Generation (Ex-bus)			दिक्खन/ Day Peak in 15-minute time block		दिक्खन/ Time	Day Energy (MU)
		शिखर समय / Peak hour (Avg 15 min)	Off-Peak hour (Avg 15 min)	औसत/ Day Average	अधिकतम/ Maximum	समय/ Time		
	Effective MW	(MW)	(MW)	(MW)	(MW)	hh:mm	MU	
Chhattisgarh								
Bango	120	0	0	3	66	(17:30-17:45)	0.1	
DSPM	500	469	398	459	472	(17:00-17:15)	11.0	
Korba (E)	440	196	195	194	203	(01:30-01:45)	4.7	
Korba(W)	1340	102	105	244	595	(09:45-10:00)	5.8	
Marwa	1000	461	437	450	464	(14:30-14:45)	10.8	
SOLAR							0.0	
WIND							0.0	
Gujarat								
Vadinar	1200	276	281	296	374	(11:15-11:30)	7.1	
ALTPS	250	164	117	143	169	(16:45-17:00)	3.4	
GIPL	305	0	0	0	0	(14:15-14:30)	0.0	
GSEC	156.1	-3	-3	-3	-3	(17:30-17:45)	-0.1	
SLPP	500	364	220	285	375	(14:15-14:30)	6.8	
UNO SUGEN	361	147	262	200	287	(06:15-06:30)	6.8	
ADANI	4620	3570	2472	3130	3697	(11:15-11:30)	75.1	
DGBP	215	3	3	3	3	(08:15-08:30)	0.1	
GTPS	870	0	168	84	217	(07:30-07:45)	2.0	
KADANA	240	57	0	23	59	(14:15-14:30)	6.8	
KLTPS	290	0	0	0	0	(00:00-00:15)	0.0	
STPS	740	266	188	195	274	(19:30-19:45)	4.7	
UKAI (HYDRO)	300	-1	1	0	1	(02:45-03:00)	0.0	
UKAI (TH)	1350	493	359	389	505	(19:00-19:15)	9.3	
WTPS	1470	0	0	0	0	(00:00-00:15)	0.0	
SUGN TOTAL	1147.5	300	221	244	327	(09:00-09:15)	5.9	
UTRAN-2	375	2	2	2	2	(00:15-00:30)	0.0	
BARGI HYDRO	90	45	43	44	46	(19:30-19:45)	1.1	
SOLAR							4.0	
WIND							21.2	
Madhya Pradesh								
AMARKANTAK	450	213	154	193	215	(09:15-09:30)	4.6	
GANDHI SAGAR	125	97	73	97	103	(06:45-07:00)	2.3	
ISP	1000	11	0	284	512	(10:15-10:30)	6.8	
JP BINA	500	146	146	146	155	(09:15-09:30)	3.5	
OMKARESWAR	520	58	0	138	232	(05:15-05:30)	3.3	
RAJGHAT HY	45	0	0	0	0	(00:00-00:15)	0.0	
SATPURA (SARNI)	1330	415	428	458	517	(11:45-12:00)	11.0	
SGTPS (SANJAY GANDHI)	1340	748	687	763	900	(18:15-18:30)	18.3	
SILPARA HY	30	-17	-13	-15	-13	(01:30-01:45)	-0.4	
TONS HY	315	200	80	124	213	(21:15-21:30)	3.0	
SINGHA JI	1200	670	339	601	869	(10:45-11:00)	14.4	
SOLAR							4.1	
WIND							16.2	
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	2	2	19	139	(07:45-08:00)	0.5	
BHUSAWAL	1420	677	687	776	973	(15:45-16:00)	18.6	
BHIVPURI	75	71	0	44	71	(17:15-17:30)	1.1	
CHANDRAPUR	2340	1284	1335	1428	1629	(08:30-08:45)	34.3	
DHANU	500	362	368	370	481	(16:30-16:45)	8.9	
KHAPARKHEDA	1340	815	824	855	1000	(09:45-10:00)	20.5	
KORADI	1950	625	569	695	808	(14:15-14:30)	16.7	
NASIK	630	311	307	306	362	(16:30-16:45)	7.3	
PARAS	500	181	174	194	228	(10:00-10:15)	4.7	
PARLI	1130	450	450	445	450	(00:00-00:15)	10.7	
TOMBAY	1580	380	329	371	428	(10:15-10:30)	8.9	
JAIGAD (JSW)	1200	346	332	341	348	(21:15-21:30)	8.2	
BHIRA PSS HY	150	1	1	59	165	(11:00-11:15)	1.4	
TATA KHOPOLI	72	24	0	14	24	(16:00-16:15)	0.3	
KOYNA 1&2	600	40	40	69	280	(08:45-09:00)	1.7	
KOYNA 3	320	0	0	0	0	(00:00-00:15)	0.0	
KOYNA-4	1000	-5	-5	-5	12	(09:00-09:15)	-0.1	
URAN	675	422	459	436	460	(02:30-02:45)	10.5	
APML TIRODA	3300	2078	1722	1924	2139	(12:30-12:45)	46.2	
SOLAR							1.0	
WIND							11.4	

11. No of Zero crossing of UI of States

State	CHATTISGARH	DD	DNH	GOA	GUJARAT	MADHYAPRASH	MAHARASHTRA
* No of Zero Crossing of UI	24	5	8	4	20	19	19

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

पावर सिस्टम ऑपरेशन निगम लिमिटेड
पूर्वी क्षेत्रीय भार प्रेषण केंद्र



DAILY OPERATION REPORT OF EASTERN REGION

Power Supply Position For

14-Jan-17

Date of Reporting:

15-Jan-17

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
16445	-285	16730	50.06	11746	0	11746	50.10	323	-0.86

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	1.93	0.00	0.00	1.93	60.55	60.79	0.23	62.48	62.72	-0.30
DVC	99.49	0.20	0.00	99.69	-37.08	-38.03	-0.95	62.61	61.66	0.00
Jharkhand	1.18	0.00	1.71	2.89	18.98	20.28	1.30	21.87	23.17	-0.56
Odisha	19.99	7.60	24.57	52.16	16.14	17.36	1.22	68.30	69.52	0.00
West Bengal	64.69	4.10	8.48	77.27	26.17	27.01	0.84	103.44	104.28	0.00
Sikkim	0.00	0.00	0.00	0.00	1.47	1.53	0.06	1.47	1.53	0.00
Region	187.28	11.90	34.77	233.95	86.23	88.93	2.70	320.17	322.88	-0.86

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	3441	-100	2156	0	3559	18:50	0	76.33	13.62
DVC	2227	0	1844	0	2746	21:45	0	58.50	-3.16
Jharkhand	876	-185	871	0	1177	04:46	0	26.67	3.50
Odisha	3469	0	2334	0	3611	18:40	0	81.83	12.31
West Bengal	6344	0	4491	0	6344	18:00	0	118.63	14.35
Sikkim	88	0	50	0	88	18:00	0	1.27	-0.26
Region	16445	-285	11746	0	16597	18:40	0	363.23	40

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	1379	1068	1518	08:51	28.97	28.78	1199
Farakka STPS - III(500)	500	380	331	480	08:31	8.60	8.55	356
Kahalgaon STPS - I(4*210)	840	691	535	751	08:02	15.82	15.17	632
Kahalgaon STPS - II(3*500)	1500	840	820	960	07:25	19.73	19.85	827
Barh STPS - I & II(2*660)	1320	1055	1121	1215	11:50	24.27	24.25	1011
Talcher STPS - I(2*500)	1000	848	887	958	23:57	21.35	21.53	897
Talcher STPS - II(4*500)	2000	1818	1835	1885	05:32		43.11	1796
Sub Total Thermal	6760	5192	4763			118.74	118.13	
NHPC								
Teesta(3*170)	510	345	-2	354	17:38	2.47	2.51	104
Rangit(3*20)	60	41	38	42	17:32	0.49	0.50	21
Sub Total Hydro	570	386	36			2.95	3.01	
BHUTAN								
Kurichu(4*15)	60	22	22	22	00:00	0.10	0.88	37
Tala(6*170)	1020	24	89	108	13:38	2.95	1.64	68
Chukha(4*84)	336	24	89	108	13:38	0.17		16
Dagachu(2*63)	126	-10	-18	23	13:39	0.65	0.39	0
Sub Total Hydro	1542	60	181			3.87	2.90	121
IPP								
MPL(2*525)	1050	989	1013	1027	11:52	21.09	21.58	899
APNRL(270*2)	540	491	493	506	14:14	10.88	11.87	494
GMR(3*350)	1050	274	301	342	04:44	7.32	7.07	294
JITPL(2*600)	1200	450	458	547	07:18	10.46	10.57	440
Sub Total IPP Thermal	3840	1480	1506			49.76	51.08	2129
Chuzachen HEP(2*55)	110	59	0	63	16:59	0.44	0.45	19
Jorethang HEP(2*48)	96					0.26	0.42	17
Sub Total IPP Hydro	206	59	0			0.70	0.87	36
Solar								
Talcher NTPC Solar	10						0.04	2
INFIRM							0.04	2
Total Regional Entities	12918	7178	6486			176.02	176.07	

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	70	70	70	00:00	1.27	53
Muzaffarpur TPS(2*110)	220	1	1	105	05:25	0.66	28
Thermal (Total)	440	71	71	-	-	1.93	
Hydro (Total)	45	0	0			0.00	
Others (Total)	14	0	0	0	00:00		
Total BIHAR	498	71	71			1.93	
JHARKHAND							
Patratu TPS(4*50+2*100+4*110)	840	0	0	240	21:45	0.30	13
Tenughat TPS(2*110)	420	37	0	186	22:26	0.88	37
Thermal (Total)	1260	37	0			1.18	49
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	0	0	0	0	00:00	1.71	71
Total JHARKHAND	1390	37	0			2.89	

	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	505	408	519	09:22	15.89
Bokaro'B TPS(3*210)		630	189	136	194	08:19	3.94	164
Waria TPS(140+210)		350	0	0	0	00:00	4.49	187
Mejia TPS(4*210+2*250)		1340	646	565	661	08:54	15.74	656
Mejia'B TPS(2*500)		1000	921	751	987	10:03	20.48	853
Durgapur STPS (2*500)		1000	919	741	993	08:23	20.83	868
Koderma TPS(500)		500	443	408	511	09:16	10.61	442
Raghunathpur TPS		600	380	380	380	00:00	7.52	313
Thermal (Total)		6340	4003	3389				99.49
Maithon(2*20+23.2)		63	11	1	18	23:05	0.06	3
Panchet(2*40)		80	20	0	20	17:53	0.04	2
Tilaiya(2*2)		4	37	0	178	23:28	0.10	4
Hydro (Total)		147	68	1				0.20
Bokaro A(Infirm)		0	0	0	0	00:00	0.00	0
Total DVC	6487	4071	3389				99.69	
ODISHA	Talcher TPS(4*62.5+2*110)	470	438	432	448	11:44	10.55	440
	IB Valley TPS(2*110)	420	397	391	407	07:46	9.44	393
	Thermal (Total)	890	835	824				19.99
	Burla(2*49.5+3*37.5+2*32)	276	61	0	63	17:52	0.49	20
	Chipilima(3*24)	72	16	16	16	18:23	0.37	15
	Balimela(2*75+6*60)	510	83	21	227	09:24	1.74	72
	Rengali(5*50)	250	154	-1	155	19:08	0.29	12
	Upper Kolab(4*80)	320	178	0	238	18:46	1.37	57
	Indravati(4*150)	600	247	0	446	21:28	3.39	141
	Machkund Share	57	-2	-2	-2	00:00	-0.05	-2
	Hydro (Total)	2085	738	34				7.60
	Total CPPGR Import	5173	1013	1098	1266	12:41	24.40	1017
	Solar Generation	0	0	0	0	00:00	0.17	7
	Total Odisha	2975	1573	858				51.99
WEST BENGAL	Santalalih TPS(2*250)	500	360	360	360	00:00	8.64	360
	Bandel TPS(4*82.5+210)	540	305	224	348	17:53	5.68	237
	Kolaghat TPS(6*210)	1260	574	581	620	23:46	13.85	577
	Bakreswar TPS(5*210)	1050	563	422	603	21:03	11.21	467
	DPL TPS(3*75+110+300)	635	243	245	256	18:21	5.88	245
	SAGARDIGHI TPS(2*300)	600	571	563	593	21:36	13.45	561
	Thermal (Total)	4585	2615	2394				52.83
	Purulia PSP(G)(4*225)	900	575	0	685	19:16	2.52	105
	Purulia PSP(P)		0	0	0	06:24	-3.32	-138
	Jaldhaka(3*9+2*4)	35	25	25	25	00:00	0.60	25
	Ramam(4*12.5)	50	13	13	14	00:58	0.32	14
	Tista(9*7.5)	68	28	28	28	00:00	0.66	28
	Hydro (Total)	1053	641	66				4.10
	Total CPPWB Import	631	360	391	430	07:48	8.48	353
Others	12	0	0	0	00:00	0.00	0	
Total WEST BENGAL	5649	3256	2460				65.42	
CESC	Budge-Budge TPS(3*250)	750	505	491	525	21:49	11.80	492
	Titagarh TPS(4*60)	240	0	0	0	00:00	0.00	0
	Southern TPS(2*67.5)	135	2	2	3	09:12	0.05	2
	New Cossipore TPS(2*30+2*50)	160	0	0	0	00:00	0.00	0
	Thermal (Total)	1285	507	493				11.85
	Others	0	0	0	0	00:00	0.00	0
Total CESC	1285	507	493				11.85	
Total ISGS & IPP Thermal	10600	6673	6269				169.22	
Total State Thermal	14800	8068	7170				187.28	
Total CPP Import	5804	1374	1489				32.89	
Total ISGS & IPP Hydro	2318	505	217				7	
Total State Hydro	3459	1446	101				11.90	
Total Others	25	0	0				0.17	
Net Inter Regional Exchange [Import(+ve)/Export(-ve)]			3506	5724			-70.70	4520
Regional Total (Gross)	36981	21571	20970	0	0		337.54	21522

* 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	223	336	0	393	0.00	-13.35	-13.35
2	765 KV SASARAM-FATEHPUR	-118	129	-118	175	0.00	-0.45	-0.45
3	765 KV GAYA-BALIA	240	218	0	363	0.00	-5.88	-5.88
4	HVDC LINK PUSAULI B/B	243	243	-3	247	0.00	-5.07	-5.07
5	400 KV PUSAULI-SARNATH	212	195	0	230	0.00	0.00	0.00
6	400 KV PUSAULI-ALLAHABAD	23	41	-79	50	0.00	0.00	0.00
7	400 KV MUZAFFARPUR-GORAKHPUR	16	288	-75	393	0.00	-5.51	-5.51
8	400 KV PATNA-BALIA	524	809	0	908	0.00	-17.34	-17.34
9	400 KV BIHARSHARIF-BALIA	-16	162	-45	234	0.00	-3.23	-3.23
10	400 KV BARH - GORAKHPUR - D/C	452	496	0	565	0.00	-11.48	-11.48
11	400 KV BIHARSHARIF - VARANASI D/C			-23	0	0.00	-1.40	-1.40
12	220 KV PUSAULI-SAHUPURI	88	84	0	159	0.00	-1.59	-1.59
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	0.54	0.00	0.54
15	132 KV KARMANASA-SAHUPURI	0	0	0	0	0.00	0.00	0.00
16	132 KV KARMANASA-CHANDAULI					0.00	0.00	0.00
Sub Total NR		1717	3170	0	3781	1	-65	-64.76
Import/Export WR from ER								
1	765 KV JHARSUGUDA-DHARMAJAYAGARH D/C	306	920	0	921	0.00	-13.55	-13.55
2	765 KV RANCHI-DHARMAJAYAGARH S/C	-228	72	-385	149	3.70	0.00	3.70
3	400 KV ROURKELA - RAIGARH (SEL LILO BYPASS)	-36	55	-83	76	0.51	0.00	0.51
4	400 KV JHARSUGUDA-RAIGARH	-31	10	-85	36	0.55	0.00	0.55
5	400 KV IND BHARAT-RAIGARH	-26	5	-63	22	0.42	0.00	0.42
6	400 KV STERLITE-RAIGARH -II	179	273	0	300	0.00	-4.69	-4.69
7	400 KV RANCHI-SIPAT D/C	-127	-14	-197	14	2.54	0.00	2.54
8	220 KV BUDHIPADAR-RAIGARH S/C	61	81	-41	113	0.00	-0.83	-0.83
9	220 KV BUDHIPADAR-KORBA D/C	-104	-72	-201	0	2.97	0.00	2.97
Sub Total WR		-6	1331	-791	1464	11	-19	-8.39
Import/Export SR from ER								
1	GAZUWAKA B/B	148	148	0	334	0.00	-12.80	-12.80
2	TALCHER-KOLAR BIPOLE	1560	1462	0	2453	0.00	-35.11	-35.11
3	TALCHER STG - II I/C	358	334	0	594	8.00	0.00	8
4	220 KV BALIMELA-UPPER-SILERRU S/C	0	-1	-1	0	0.00	0.00	0.00
Sub Total SR		49	-65	-568	1286	8.00	-12.80	-4.80
Import/Export NER from ER								
1	400 KV BINAGURI-BONGAIGAON D/C	-65	-475	-512	93	3.85	0.00	3.85
2	400 KV ALIPURDUAR-BONGAIGAON D/C	-19	-317	-364	95	3.22	0.00	3.22
3	220 KV ALIPURDUAR-SALAKATI D/C					1.07	0.00	1.07
4	132 KV GEYLEGPHU - SALAKATI					0.00	-0.78	-0.78
5	132 KV DEOTHANG - RANGIA					0.00	-0.10	-0.10
Sub Total NER		-65	-538	-581	123	8	-1	7.26
TOTAL IR EXCHANGE		3506	5724	0	6053	27	-98	-70.70

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	-46.71	0.05	-27.50	-71.98	-64.76	7.21
ER-WR	-5.47	-2.97	29.43	4.52	-8.39	-12.91
ER-SR	3.69	0.00	-4.51	-3.44	-4.80	-1.37
ER-NER	-3.50	-2.33	3.27	-2.66	7.26	9.92
TOTAL	-51.99	-5.25	0.70	-73.55	-70.70	2.86

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	3.87	2.90	153		121	Bihar	-3.58	-204	0	-149
Nepal	2.86	-6.49	-336	0	-270	132 kv Mzf - Dhalkebar	-2.91	-132	0	-121
Bangladesh	7.94	-6.35	-500	-259	-265					

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	0.43	3.76	67.62	20.53	28.62	1.03

<-----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.	
50.33	18:03		49.76	12:23	50.01	0.05	0.07	50.20	49.87	32.38

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	795	02:02	768	10:13	0.00	100.00	0.00	0.00
Jamshedpur	432	01:57	422	17:53	0.00	0.00	100.00	100.00
Muzaffarpur	415	02:02	395	18:26	0.00	100.00	0.00	0.00
Bihar Sariff	421	02:15	404	18:25	0.00	97.78	2.22	2.22
Binaguri	427	02:01	407	18:26	0.00	42.57	57.43	57.43
Jeerat	425	02:20	396	17:56	0.00	70.42	29.58	29.58
Rourkela	419	02:01	409	12:21	0.00	100.00	0.00	0.00
Jeypore	420	21:34	395	07:17	0.00	100.00	0.00	0.00
Koderma	424	02:15	411	17:53	0.00	81.88	18.13	18.13
Maithon	419	01:59	409	17:53	0.00	100.00	0.00	0.00
Teesta	408	00:00	408	00:00	0.00	100.00	0.00	0.00
Rangpo	420	05:03	401	19:20	0.00	99.65	0.35	0.35

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(DBPL)-NER(APDCL)(ER)-TPTL-2547/D	0.36	15	15	BSEB TOTAL EXPORT	0.0		
NR(Punjab SEB)-NER(Assam JER)-APCC-2467 A	0.5	100	0	GMR(GMR KEL)-BSEB(BSPHCL)-GMRKEL-12973/C	2.544	106	106
NR(NDPL)-NER(MePDCL)(ER)-APCC-2477 F	0.15	25	0	GRIDCO(GRIDCO)-BSEB(BSPHCL)-GMREL-12972/D	3.6	150	150
NR(NDPL)-NER(MePDCL)(ER)-MPPL-2513/F	0.275	25	0	JITPL(JITPL)-BSEB(BSPHCL)-TPTCL-12728 A	0.3	50	0
NR(BSEYL)-NER(MePDCL)(ER)-MPPL-2514	0.275	25	25	WR(Jaypee Nigrie STPP)-BSEB(BSPHCL)-PTC India Limited-12729	1.2	200	0
NR(NDPL)-NER(MePDCL)(ER)-MPPL-2550/C	0.04	20	20	WR(Jindal Power Limited)-BSEB(BSPHCL)-PTC India Limited-127	0.3	50	0
NR(UPPCL)-NER(MePDCL)(ER)-MPPL-2549/C	0.1457	40	25.7	NR(BYPL)-BSEB(BSPHCL)-NVVN-12921 F	0.3042	50.7	0
				BSEB TOTAL IMPORT	8.2		
				JSEB TOTAL EXPORT	0.0		
				APN(APNRL 1 & II)-JSEB(JUVNL)-JUVNL-12970/D	0.87471	53.42	31.4
				APN(APNRL #1 & 2)-JSEB(JUVNL)-JUVNL-12907 A	2.03889	90	67.98
				JSEB TOTAL IMPORT	2.9		
				DVC TOTAL EXPORT	0.0		
				DVC TOTAL IMPORT	0.0		
				GRIDCO TOTAL EXPORT	0.0		
				JITPL-GRIDCO-JITPL-12973/D	0.84	35	35
				WR(NSPCL)-GRIDCO(SAIL RSP)-SAIL RSP-12906 A	0.324	13.5	13.5
				GRIDCO TOTAL IMPORT	1.2		
				WBSEB(CESC)-NER(MePDCL)-MPPL-2468 A	0.321	53.5	0
				WBSEB(CESC)-NER(MSPDCL)-MPPL-2469 A	0.144	24.000	0.000
				WBSEB(TPC_Haldia)-WR(TPC)-TPTCL-33717 F	0.72	30	30
				WESTBENGAL TOTAL EXPORT	1.2		
				WESTBENGAL TOTAL IMPORT	0.0		
				SIKKIM(GOV SIKKIM)-WR(DD UT)-APPCL-33929/D	0.05	15	10
				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 (Kahalgaon-Banka) (500mW)	0.00%
W3-ER (MPL-Maithon) (550mW)	0.00%

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

	EXPORT	IMPORT
NR	0.00%	0.00%
SR	3.92%	0.00%
NER	0.00%	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

DAILY OPERATION REPORT

POWER SUPPLY POSITION IN SOUTHERN REGION FOR 14-JAN-2017

DATE OF REPORTING : 15-JAN-2017 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 #
33071	--	50.02	29630	--	50.10	789.31	0.00

* 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	94.63	4.55	13.02	8.78	4.02	5.36	7.08	10.95	137.44	141.31	0.00
TELANGANA	67.42	1.80	0.00	0.97	3.37	6.02	65.89	65.54	145.47	145.12	0.00
KAR	83.23	14.17	0.00	9.15	1.33	14.07	63.52	67.92	185.47	189.87	0.00
KERALA	0.00	5.45	0.00	0.12	0.09	0.13	55.22	57.49	61.01	63.28	0.00
TN	70.95	1.68	8.21	12.86	4.77	19.24	127.43	126.80	245.14	244.51	0.00
PONDY	0.00	0.00	0.00	0.00	0.00	0.00	5.90	5.22	5.90	5.22	0.00
TOTAL	316.23	27.65	21.23	31.88	13.58	44.82	325.04	333.92	780.43	789.31	0.00

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	5073	0	5350	0	6912	07:00:00	17	148.00	-6.69
TELANGANA	5355	0	4848	0	7611	10:23:00	3	148.00	-2.88
KAR	7590	0	7193	0	9071	11:00		203.00	-13.13
KER	3258		2125	0	3292	19:30		64.22	-0.94
TN	11206	0	9575	0	11964	09:00		273.78	-29.27
PONDY	239	0	189	0	261	08:00		6.65	-1.43
SR ISTS LOSS	350	--	350	--	--	--	--	--	--
SR	33071		29630		35692	10:41		843.65	-54.34

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	1146	1152	1564	07:47	29.94	1247
Rayalaseema TPS (5x210)	1050	555	544	690	09:54	13.46	561
Simhadri (IPP) (2x500)	1000	648	642	965	10:32	17.52	730
Krishnapatnam TPP (2*800)	1600	1143	1138	1191	13:30	26.39	1099
Hinduja (1*520)	520	332	341	372	09:54	7.32	305
Total Thermal	5930	3824	3817	--	--	94.63	3942
Srisailem RB (7x110)	770	5	--	205	07:02	0.12	5
Lower Sileru (4x115)	460	--	--	294	06:40	1.98	82
Upper Sileru (4x60)	240	6	6	172	07:55	0.66	28
Other Hydro	278	29	30	--	--	1.79	75
Total Hydro	1748	40	36	--	--	4.55	190
Vijeswaram Gas (2x33+1x34+1x112.5+1x59.5)	272	117	140	144	06:27	2.74	114
Reliance Energy Ltd.(1x140+1x80)	220	--	--	--	--	--	--
Jegrapadu (2x45.8+1x48.9+1x75.5)	216	145	145	188	09:54	3.64	152
Spectrum (1x46.8+2x46.1+1x68.88)	208	127	130	131	05:02	3.08	128
LANCO (2*115+1*125)	351	149	150	163	09:54	3.56	148
Vemegiri 1x233+1x137)	370	--	--	--	--	--	--
Jegrapadu 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	538	565	--	--	13.02	542
Wind	1411	317	681	681	03:00	8.78	366
Solar	695	--	--	--	--	4.02	168
Others	424	98	106	106	03:00	5.36	223
Total AP	13243	4817	5205	--	--	130.36	5431

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	837	832	1018	10:37	23.77	990
Kaktiya TPS (1x500+1x600)	1100	775	775	1054	10:40	17.75	739
Ramagundan B (1x62.5)	63	51	49	54	20:58	1.26	52
Singareni (2x600)	1200	1072	907	1220	13:07	24.64	1027
Total Thermal	4083	2735	2563	--	--	67.42	2808
N'Sagar (1x110+7x100.8)	816	--	13	231	10:35	0.98	41
Srisailem LB (Gen) (6x150)	900	--	--	149	15:54	0.19	8
Srisailem LB (Pump)	900	--	--	--	--	--	--
Other Hydro	368	--	--	--	--	0.63	26
Total Hydro	2084	--	13	--	--	1.80	75
Wind	78	--	--	--	--	0.97	40
Solar	617	--	--	--	--	3.37	141
Others	234	--	--	--	--	6.02	251
Total TG	7096	2735	2576	--	--	79.58	3315
KARNATAKA							
Raichur TPS (7x210+1x250)	1720	1191	1192	1389	13:27	30.15	1256
Bellary TPS (2x500+1x700)	1700	883	776	942	09:53	19.65	819
UPCL(IPP) (2x600)	1200	1098	783	1126	17:07	23.31	971
Jindal (2x130+4x300)	1460	321	326	326	03:00	10.12	422
YTPS (1x800)	800	--	--	--	--	--	--
Total Thermal	6880	3493	3077	--	--	83.23	3468
Sharavathi (10x103.5)	1035	276	242	689	07:47	8.15	339
Nagihari (1x135+5x150)	885	107	--	474	11:12	1.45	60
Varahi (4x115)	460	22	22	137	07:48	0.84	35
Other Hydro	1992	376	86	--	--	3.73	155
Total Hydro	4372	781	350	--	--	14.17	589
Yelehanka Diesel (6x21.32)	128	--	--	--	--	--	--
Other Gas/Naptha/Diesel	118	--	--	--	--	--	--
Total Gas/Naptha/Diesel	246	--	--	--	--	--	--
Wind	2922	211	444	695	22:50	9.15	381
Solar	146	--	--	--	--	1.33	56
Others	1041	312	358	358	03:00	14.07	586
Total KAR	15607	4797	4229	--	--	121.95	5080
KERALA							
Iddukki (6x130)	780	236	33	246	07:08	1.80	75
Sabarigiri (1x60+4x55)	280	115	7	173	19:35	1.03	43
Lower Periyar (3x60)	180	--	--	--	--	--	--
Other Hydro	751	341	-1	--	--	2.62	109
Total Hydro	1991	692	39	--	--	5.45	227
Kayamkulam (2x116.6+1x126.38)	360	--	--	--	--	--	--
Reliance Energy (3x40.5+1x35.5)	157	--	--	--	--	--	--
Brahmapuram DPP (5x21.32))	107	--	--	--	--	--	--
Kozhikode DPP (8x16)	128	--	--	--	--	--	--
Other Gas/Naptha/Diesel	22	--	--	--	--	--	--
Total Gas/Naptha/Diesel	774	--	--	--	--	--	--
Wind	35	--	--	--	--	0.12	5
Solar	35	--	--	--	--	0.12	5
Others	13	--	--	--	--	0.09	4
Total KER	20	--	--	--	--	0.13	6

TAMILNADU							
Ennore TPS (2x60+3x110)	450	--	--	--	--	--	--
North Chennai TPS (3x210)	630	--	--	--	--	--	--
Tutucorin TPS (5x210)	1050	492	782	869	07:59	17.00	708
Mettur TPS (4x210+1x600)	1440	862	862	862	00:40	20.93	872
Neyveli-I (IPP) (6x50+3x100)	600	384	384	384	00:40	10.49	437
ST-CMS (1x250)	250	221	221	221	00:40	1.78	74
NCTPS STAGE-II (2x600)	1200	897	740	1161	06:21	20.75	865
Other Thermal	--	--	--	--	--	--	--
Total TN Thermal	5620	2856	2989	--	--	70.95	2956
Kadamparai (G) (4x100)	400	--	222	222	03:00	0.25	10
Kadamparai (P)	400	--	--	--	--	1.64	68
Other Hydro	1824	49	65	--	--	1.43	60
Total TN Hydro	2224	49	287	--	--	1.68	70
Basin Bridge (4x30)	120	--	--	--	--	--	--
Kovilkalappal (1x70+1x37.88)	108	32	32	32	00:40	0.87	36
Kuttalam (1x64+1x37)	101	85	85	85	00:40	1.31	55
Valattur(Stg 1&2) (2x60+1x35+1x32)	187	84	82	90	15:27	3.52	147
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	2.51	105
Total Gas/Naptha/Diesel	1421	911	909	--	--	8.21	343
Wind	7598	660	380	877	10:47	12.86	536
Solar	1100	--	--	--	--	4.77	199
Others	806	54	52	54	19:00	19.24	802
Total TN	18769	4530	4617	--	--	117.71	4906
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	2214	1680	2374	18:47	46.54	1939
Neyveli TPS II (7x210)	1470	1060	1049	1238	12:31	25.49	1062
Neyveli TPS I (EXP) (2x210)	420	391	314	401	05:40	8.71	363
Madras APS (2x220)	440	174	174	174	00:40	4.39	183
Kaiga STGI (2x220)	440	388	383	396	11:02	9.93	414
Kaiga STG II (2x220)	440	415	415	415	19:00	10.03	418
Neyveli TPS II (EXP) (2x250)	500	--	--	--	--	--	--
Talcher II, NTPC (4x500)	2000	1823	1672	1881	05:31	43.13	1797
Simhadri II, NTPC (2x500)	1000	657	321	806	10:07	14.31	596
Kundakulam (1x1000)	2000	812	794	861	22:54	17.13	714
NTPC Kudgi (1x800)	800	--	--	--	--	--	--
Total ISGS	12110	7934	6802	--	--	179.66	7486
JOINT VENTURE							
Vallur (3x500)	1500	1184	948	1396	07:57	25.14	1048
NTPL (2x500)	1000	730	333	762	18:48	12.88	537
Total JV	2500	1914	1281	--	--	38.02	1585
IPP UNDER OPEN ACCESS							
LKPPL STG2 (1x233+1x133)	366	--	--	--	--	--	--
LKPPL STG3 (1x241.3+1x126.7)	368	--	--	--	--	--	--
SIMHAPURI (2x150)	600	--	--	--	--	--	--
MEENAKSHI (2x150)	300	132	52	137	19:43	2.51	105
COSTAL ENERGEN (2x600)	1200	--	--	--	--	--	--
TPCIL (2x660)	1320	1078	587	1101	12:42	23.66	986
IL&FS (2x600)	1200	486	481	486	19:00	21.24	885
SGPL (1x660)	660	--	--	--	--	1.40	58
Total IPP	6014	1696	1120	--	--	48.81	2034

Total State Thermal	23413	13040	12498	--	--	318.74	13279
Total ISGS Thermal	8790	6145	5036	--	--	138.18	5757
Total Thermal	32203	19185	17534	--	--	456.92	19036
Total Hydro	12419	1562	725	--	--	27.65	1151
*Total Gas/Naptha/Diesel	5842	1449	1474	--	--	21.23	885
Total Nuclear	3320	1789	1766	--	--	41.48	1729
Total Wind	12044	1188	1505	--	--	31.88	1328
Total Solar	2571	--	--	--	--	13.58	568
Total Others	2525	464	516	--	--	44.82	1868
Inter-regional (Except Talcher II)	--	1021	503	--	--	160.37	6682
Grand Total	70924	26658	24023	--	--	789.31	32888

* 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	951	777	--	--	--	--	23.331
Gazuwaka B2B	306	402	651	04:37	--	--	9.418
Talcher-Kolar	1587	996	2467	06:18	--	--	35.106
Talcher Stage II I/C	-236	-676	--	--	--	--	-8.023
Raichur-Solapur I & II	1968	1856	2462	18:37	--	--	41.050
Upper Sileru-Balimela	--	--	--	--	--	--	0.000
CHIKODI-KOHLAPUR	250	216	--	--	--	--	5.536
KUDUGI-KOHLAPUR	215	297	78	10:14	--	--	3.770

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)
38.702	1.013	0.000	-1.732	4.508	0.000	0.000	0.000	0.000	0.000	3.775	63.569	-2.379	0.812	67.344	69.546

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	3.8	67.6	58.1	28.6

Instantaneous Maximum		Instantaneous Minimum		Block Maximum		Block Minimum		Day Avg	Frequency Variation Index	Std. Var.
Hz	TIME	Hz	TIME	Hz	TIME	Hz	TIME	Hz		
50.33	18:03:10	49.76	12:23:10	50.20	22:00	49.86	12:30	50.01	0.048	0.068

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)
			APPCC-NPC(ARPPCL)(12MW)(SR-WR)	0.146	12.000	12.000
			APPCC-NPC(ARPPCL)(10.41MW)(SR-WR)	0.142	10.410	10.030
			APPCC-GOAWR(NVVN)(60MW)(SR-WR)	0.720	60.000	60.000
			BMMCEMENT-TGPCC(MANIKARAN)(6.67MW)(SR-SR)	0.072	6.670	6.670
			NBVLAP-TGPCC(TATA)(17.1MW)(SR-SR)	0.132	17.100	17.100
			ITCWIND-ITCPSPD(ITCLTDWIND)(3MW)(SR-SR)	0.072	3.000	3.000
			ITCWIND-ITCPSPD(ITCLTDWIND)(0.5MW)(SR-SR)	0.012	0.500	0.500
			STEELKOTHA-TGPCC(STEELKPT)(10MW)(SR-SR)	0.109	10.000	10.000
			BMMCEMENT-SAGARCEM(SAGARCEMNT)(7MW)(SR-SR)	0.078	7.000	7.000
			STEELEX-TGPCC(STEELEX)(25MW)(SR-SR)	0.169	25.000	25.000
			SARVASUGAR-TGPCC(SARVASUGAP)(7.5MW)(SR-SR)	0.060	7.500	7.500
			SIRIUSBIO-TGPCC(KISPL)(1.6MW)(SR-SR)	0.020	1.600	1.600
			MAHAMAYA-TGPCC(KISPL)(1MW)(SR-SR)	0.013	1.000	1.000
			APTRANSCO TOTAL EXPORT	1.745		
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(5.5MW)(SR-SR)	0.132	5.500	5.500
			MYHOMEIND-MYHOMEVGU(MYHOME)(4.39MW)(SR-SR)	0.105	4.390	4.390
			MYHOMEIND-JAYAJOTHI(MYHOME)(13MW)(SR-SR)	0.312	13.000	13.000
			DALCEMKAR-DALCEMAP(ARPPCPL)(22MW)(SR-SR)	0.422	22.000	22.000
			APTRANSCO TOTAL IMPORT	0.971		
			INDCEMPUR-INDCEMPRLI(INDIACEM)(3MW)(SR-WR)	0.024	3.000	3.000
			SITAPURPOW-ZUARICEMEN(SITAPURLTD)(5.5MW)(SR-SR)	0.132	5.500	5.500
			MYHOMEIND-MYHOMEVGU(MYHOME)(4.39MW)(SR-SR)	0.105	4.390	4.390
			MYHOMEIND-JAYAJOTHI(MYHOME)(13MW)(SR-SR)	0.312	13.000	13.000
			TGTRANSCO TOTAL EXPORT	0.573		
			BMMCEMENT-TGPCC(MANIKARAN)(6.67MW)(SR-SR)	0.072	6.670	6.670
			NBVLAP-TGPCC(TATA)(17.1MW)(SR-SR)	0.132	17.100	17.100
			ITCWIND-ITCPSPD(ITCLTDWIND)(3MW)(SR-SR)	0.072	3.000	3.000
			ITCWIND-ITCPSPD(ITCLTDWIND)(0.5MW)(SR-SR)	0.012	0.500	0.500
			STEELKOTHA-TGPCC(STEELKPT)(10MW)(SR-SR)	0.109	10.000	10.000
			SIL-TGPCC(PTC)(22MW)(SR-SR)	0.202	22.000	22.000
			BMMCEMENT-SAGARCEM(SAGARCEMNT)(7MW)(SR-SR)	0.078	7.000	7.000
			STEELEX-TGPCC(STEELEX)(25MW)(SR-SR)	0.169	25.000	25.000
			MALCOELTN-TGPCC(NVVN)(33MW)(SR-SR)	0.365	33.000	33.000
			SARVASUGAR-TGPCC(SARVASUGAP)(7.5MW)(SR-SR)	0.060	7.500	7.500
			SGPLNLR-TSSPDCL(SGPLNLR)(120MW)(SR-SR)	0.030	120.000	120.000
			SIRIUSBIO-TGPCC(KISPL)(1.6MW)(SR-SR)	0.020	1.600	1.600
			MAHAMAYA-TGPCC(KISPL)(1MW)(SR-SR)	0.013	1.000	1.000
			TGTRANSCO TOTAL IMPORT	1.334		
			UDUPIPOWER-MPSEZ(UDUPIPOWER)(8.13MW)(SR-WR)	0.195	8.130	8.130
			SIL-TGPCC(PTC)(22MW)(SR-SR)	0.202	22.000	22.000
			DALCEMKAR-DALCEMAP(ARPPCPL)(22MW)(SR-SR)	0.422	22.000	22.000
			KPTCL TOTAL EXPORT	0.819		
			SGPLNLR-BESCOM(PTC)(250MW)(SR-SR)	0.788	250.000	250.000
			KPTCL TOTAL IMPORT	0.788		
			KSEB TOTAL EXPORT	0.000		
			KSEB TOTAL IMPORT	0.000		
			MALCOELTN-TGPCC(NVVN)(33MW)(SR-SR)	0.365	33.000	33.000
			TNEB TOTAL EXPORT	0.365		
			ILFS-TANGEDCO(ILFS)(272.5MW)(SR-SR)	6.540	272.500	272.500
			ILFS-TANGEDCO(ILFS)(272.5MW)(SR-SR)	6.540	272.500	272.500
			TNEB TOTAL IMPORT	13.080		
			GOASR-GOAWR(GOASR)(24.76MW)(SR-WR)	0.505	24.760	24.760
			GOA TOTAL EXPORT	0.505		
			GOA TOTAL IMPORT	0.000		
			LKPPL TOTAL EXPORT	0.000		

7. VOLTAGE LEVEL AT CRITICAL SUB STATION

SUBSTATION	% OF TIME (Minute Wise)				400 KV (Hourly)				220 KV / 230 KV (Hourly)			
	<380 KV	<390 KV	>420 KV	>430 KV	MAXIMUM		MINIMUM		MAXIMUM		MINIMUM	
					KV	TIME	KV	TIME	KV	TIME	KV	TIME
HYDERABAD	0.00	0.00	42.08	0.00	426	2358	409	0804	234	2359	225	1038
GOOTY	0.00	0.00	44.38	0.00	429	1803	412	1005	220	0039	220	0039
VIJAYWADA	0.00	0.00	70.49	0.00	428	0200	414	0809	235	0202	226	0758
KOLAR	0.00	0.00	0.21	0.00	422	0202	402	1004	230	1802	217	1011
BANGALORE	0.00	0.00	0.00	0.00	417	0202	391	1017	217	0202	201	1004
HIRIYUR	0.00	0.00	1.60	0.00	423	1803	400	1017	236	1803	220	1023
CHENNAI	0.00	0.00	13.75	0.00	422	2358	410	0806	230	2359	222	0750
TRICHY	0.00	0.00	0.00	0.00	413	0159	396	1843	210	0040	210	0040
TRIVENDRAM	0.00	0.00	0.00	0.00	419	0201	401	1840	231	0202	219	1845
KAIGA	0.00	0.00	8.75	0.00	424	1803	399	1022	220	0034	220	0034
KUDANKULAM	0.00	0.00	0.00	0.00	418	0104	405	1840	237	0104	230	1840

8. MAJOR RESERVOIR PARTICULARS

RESERVOIR	DESIGNED			PRESENT		LAST YEAR		LAST DAY		MONTH	
	MDDL (Mts)	FRL (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Inflow (Mus)	Usage (Mus)	Prog. Inflow (Mus)	Prog. Usage (Mus)
JALAPUT	818.39	838.40	534	834.79	384	835.65	419	2.24	2.24	9.20	28.87
SRISAILAM	243.84	270.70	1392	261.61	395	253.65	126	0.00	1.80	0.00	39.43
N.SAGAR	149.30	179.90	1398	157.22	55	154.78	0	1.80	3.92	55.15	20.22
LINGANAMAKKI	522.73	554.50	4557	545.01	2086	545.59	2198	0.00	11.55	5.58	111.31
SUPA	495.00	564.00	3159	544.06	1588	540.00	1352	0.00	6.34	2.09	50.33
IDUKKI	694.94	732.43	2148	712.99	809	719.97	1234	0.05	2.77	1.55	31.66
KAKKI	908.30	981.45	916	965.62	448	973.68	646	0.23	1.60	4.73	20.95
NILAGIRIS	--	--	1504	--	527	--	1050	1.06	0.95	7.59	10.98
TOTAL	--	--	15608	--	6292	--	7025	5.38	31.17	85.89	313.75

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)	186.30	0.00	31.79	74.28	0.00	0.00
OD MU'S (F<49.9)	0.05	0.00	0.01	0.02	0.00	0.00
OD NO OF BLOCK(F<49.9)	1	0	1	1	0	0

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

10. SIGNIFICANT EVENTS (IF ANY) :

11. SYSTEM CONSTRAINTS (IF ANY) :

12. WEATHER CONDITIONS:

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 of
Date of Reporting

14-Jan-17
15-Jan-17



I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 Hrs) MW			Demand Met	Off Peak (03:00 Hrs) MW			Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)		Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
2237	26	2263	50.07	1258	21	1279	50.15	37.80	0.33

* 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	2.11	0.18	2.11	0.07
ASSAM	3.58	0.57	0.00	0.00	4.15	15.94	17.50	1.56	21.64	0.10
MANIPUR	0.00	0.00	0.00	0.00	0.00	2.35	2.34	-0.04	2.34	0.05
MEGHALAYA	0.00	0.35	0.00	0.00	0.35	4.89	4.45	-0.24	4.81	0.00
MIZORAM	0.00	0.05	0.00	0.00	0.05	1.24	1.47	0.22	1.51	0.04
NAGALAND	0.00	0.06	0.00	0.00	0.06	1.83	2.15	0.32	2.21	0.05
TRIPURA	3.02	0.10	0.0240	0.00	3.14	1.99	1.66	-0.33	3.18	0.02
Total	6.60	1.12	0.02	0.00	7.74	30.01	31.68	1.66	37.80	0.33

* Shortage furnished by the respective constituent. # Tripura Demand excludes Brangladesh I 1.62 MU

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

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

State	Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)	Time
	Demand Met	Shortage	UI	STOAPX transaction	Demand Met	Shortage	UI	STOAPX transaction		
ARUNACHAL PRADESH	112	4	-28	0	69	0	-2	17	112	18:59
ASSAM	1296	7	195	209	735	20	21	-47	1298	18:31
MANIPUR	140	6	1	-15	66	0	4	-37	145	17:41
MEGHALAYA	296	0	63	89	189	0	28	70	296	18:03
MIZORAM	89	4	4	-2	42	0	8	-25	91	17:34
NAGALAND	95	5	9	5	60	0	3	0	98	17:01
TRIPURA	209	0	49	-25	97	1	4	-152	209	18:28
Total	2237	26	293	261	1258	21	66	-173	2243	18:03

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

III. Regional Entities :

UI/(OC:(+ve), UG:(-ve))

Station/ Constituent	Inst. Capacity	Declared	Peak MW (At 19:00 Hrs)	Off Peak MW (At 03:00 Hrs)	Energy	Average	Schedule	UI
	(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	MW	Net MU	Net MU
A. NEEPCO								
KHANDONG (2x25)	50	0	24	0	0.49	20	0.47	0.02
KOPIJI STAGE-II (Khandong) (1x25)	25	0	0	0	0.00	0	0.00	0.00
KOPIJI (4x50)	200	0	187	47	2.16	90	2.09	0.07
AGBPP (Kathalguri)- (GT+ST) (6x33.5 + 3x30)	291	171	187	175	4.12	172	3.95	0.18
AGTCCPP (RC NAGAR) (4x21+2x23)	130	97	95	97	2.36	98	2.22	0.13
DOYANG (3x25)	75	0	62	0	0.20	8	0.18	0.02
RANGANADI (3x135)	405	0	262	0	1.11	46	1.08	0.03
Sub Total (A)	1176	268	817	319	10.43	435	9.99	0.44
B. NHPC								
LOKTAK (3x35)	105	0	105	105	2.51	105	2.45	0.06
Sub Total (B)	105	0	105	105	2.51	105	2.45	0.06
C. OTPCL								
IPALATANA CCPP (2X363.3)	726.6	496	474	472	11.57	482	11.40	0.17
Sub Total (C)	726.6	496	474	472	11.57	482	11.40	0.17
D.NTPC								
BgrTPP	250	235	193	162	4.53	189	4.32	0.22
Sub Total (D)	250	235	193	162	4.53	189	4.32	0.22
D. Total Regional Entities (A-C)	2258	999	1589	1058	29.05	1210	28.15	0.89

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	121	120.60	2.78	116
	NTPS(Thermal) (20+21+21+11+24+ 22)	119	36	29.00	0.79	33
	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	87	0.00	0.53	22
	Mini Hydel	4	2	0.00	0.04	2
	Thermal (Total)	361	157	149.60	3.58	149
	Total Hydro	104	89	0.00	0.57	24
	Total Solar	0	0	0.00	0.00	0
	Total Wind	0	0	0.00	0.00	0
	Total Assam	465	246	150.40	4.15	173
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	9	0.00	0.06	2
	UMIUM ST-II (2*10)	20	5	0.00	0.03	1
	UMIUM ST-III (2*30)	60	0	0.00	0.11	5
	UMIUM ST-IV (2*30)	60	0	0.00	0.14	6
	UMTRU (4*2.8)	11.2	0	0.00	0.00	0
	SONAPANI (1*1.5)	1.5	1	0.70	0.01	1
	MLHEP (3*42)	126	0	0.00	0.00	0
	Total Hydro	315	14	0.70	0.35	15
	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	14	0.70	0.35	15	
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
	Total Mizoram	54	0	0.00	0.05	2
NAGALAND	LIKHMRO (3*8)	24	12	0.00	0.06	2
	Total Hydro	24	12	0.00	0.06	2
	Total Solar	0	0	0.00	0.00	0
	Total Wind	0	0	0.00	0.00	0
	Total Nagaland	24	12	0.00	0.06	2
TRIPURA	ROKHIA(Thermal) (6x8+3x21)	111	57	57.00	1.33	56
	BARAMURA(Thermal) (1x6.5+2x5+2*21)	58.5	21	21.50	0.51	21
	Monarchak(Thermal)	67.0	52	45.00	1.18	49
	Gumati(Hydro) (3*5)	15	4	4.00	0.10	4
	Thermal (Total)	237	130	123.50	3.02	126
	Total Hydro	15	4	4.00	0.10	4
	Total Diesel	1	0	0.00	0.00	0
	Total Solar(Monarchak 5)	5	0	0.00	0.02	1
	Total Wind	0	0	0.00	0.00	0
Total Tripura	258	134	127.50	3.14	131	
Total State Control Area Generation	1344	406	278.60	7.74	323	
Total State control area generation (excluding hydro)	662.07	287.00	273.10	6.62	276	
Total regional entities generation (excluding hydro)	1148	756	744	22.58	752	
Total Regional generation (excluding Hydro)	1810	1043	1017	29.20	1028	
IV. Total Hydro Generation:						
Regional Entities Hydro	860	640	152	6.47	270	
State Control Area Hydro	551	119	6	1.13	47	
Total Regional Hydro	1411	759	158	7.59	316	
Infirm Generation in the Region				0.00		
Total Generation availability in the Region	3228	1802	1175	36.8	1344.1	

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 Binaquri-Bongaigaon I	40	130	0	175	0.00	1.96	1.96
400 kV Binaquri-Bongaigaon II	40	130	0	175	0.00	1.98	1.98
400 kV Alipurduar-Bongaigaon I	0	0	0	108	0.00	0.00	0.00
400 kV Alipurduar-Bongaigaon II	24	184	0	220	0.00	3.18	3.18
220 kV Alipurduar-Salakati I	2	28	-2	42	0.00	0.54	0.54
220 kV Alipurduar-Salakati II	2	28	-2	42	0.00	0.54	0.54
132 kV Rangia-Deothang / Salakati-Gelephu (India- +/- 800 KV Biswanath charali - Agra	14	-4	-6	16	0.00	0.18	0.18
Total IR Exch	-378	-4	-510	778	-12.01	8.39	-3.63

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)	
	Total	Through ER	Total	Through ER	Total	Through ER
ER	0.00	0.00	0.00	0.00		
Total IR Schedule (MU)	Total IR Actual (MU)		Net IR UI (MU)			
Through ER	Total	Through ER	Total	Through ER	Total	Total
	-2.67					

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	0.00	0.43	3.76	53.09	67.62	20.53	7.12	1.03	0.00
Maximum		Minimum		Average	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		
Freq	Time	Freq	Time	Freq			MAX	MIN	(Hz)
50.33	18:03:10	49.76	12:23:10	50.01	0.048	0.068	50.089	49.890	

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	415	00:02	397	18:10	0.0	0.0	0.0	0.0
Balipara	400	420	23:08	397	17:14	0.0	0.0	0.1	0.0
Misa	400	426	23:03	404	07:25	0.0	0.0	27.6	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	00:17	221	18:10	0.0	0.0	0.0	0.0
Dimapur	220	226	23:11	210	08:19	0.0	0.0	0.0	0.0
Mariani	220	239	23:11	230	08:19	0.0	0.0	39.7	0.0
Misa	220	226	22:34	216	08:18	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	00:02	129	18:10	0.0	0.0	47.1	0.0
Haflong	132	133	02:26	121	15:31	0.0	0.0	0.0	0.0
Kahilpara	132	131	04:36	123	17:11	100.0	100.0	0.0	0.0
Aizawl	132	135	22:39	122	17:59	0.0	0.0	0.0	0.0
Kumarghat	132	135	01:59	129	17:42	0.0	0.0	3.7	0.0
Imphal	132	139	08:19	128	17:42	0.0	0.0	36.5	0.0
Khliehriat	132	138	02:02	129	18:10	0.0	0.0	44.3	0.0
Badarpur	132	138	00:03	131	18:10	0.0	0.0	45.3	0.0
Nirjuli	132	141	08:20	122	19:22	0.0	0.0	66.9	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	711.25	9.99	712.65	11.94	N/A	N/A
Kopli	609.60	592.83	602.29	49.20	599.00	25.50		
Loktak	769.00	766.20	768.02	120.00	768.01	117.50		
Umiam	978.88	957.60	970.03	15.61	974.42	27.12		
Gumti	93.55	83.60	91.05	19.79	90.60	15.42		
Doyang	333.00	306.00	317.55	17.00	311.40	7.00		
Ranganadi	567.00	560.00	563.40	N/A	565.34	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