



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 02nd Feb 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक, द.क्षे.भा.प्रे.के.,29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 01.02.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-Feb - 2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट राभाप्रेके की वेबसाइट पर उपलब्ध है।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 01st feb 2018, is available at the NLDC website.

धन्यवाद,

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

Report for previous day

Date of Reporting

1-Feb-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42375	43780	39580	17534	2415	145683
Peak Shortage (MW)	523	11	0	0	57	591
Energy Met (MU)	909	1047	926	353	42	3277
Hydro Gen(MU)	93	23	62	24	8	210
Wind Gen(MU)	14	20	40	-----	-----	73
Solar Gen (MU)*	5.59	18.09	50.91	0.75	0.02	75
Energy Shortage (MU)	12.7	0.2	0.7	0.0	0.6	14.1
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45910	49617	42810	18281	2461	153088

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	0.055	0.27	1.33	8.63	10.23	75.98	13.78

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)	Energy Shortage (MU)
NR	Punjab	5242	0	106.1	20.5	0.4	141	0.0
	Haryana	6364	0	118.5	54.8	2.1	219	0.0
	Rajasthan	11114	0	214.1	75.1	2.0	322	1.3
	Delhi	3968	0	66.5	49.7	-1.3	238	0.0
	UP	14244	560	288.8	99.4	0.2	737	0.3
	Uttarakhand	2051	0	37.7	29.5	0.0	95	0.0
	HP	1544	0	27.5	22.5	1.0	133	0.0
	J&K	2148	537	46.5	42.7	0.0	61	11.0
WR	Chhattisgarh	221	0	3.5	3.2	0.3	50	0.0
	Chhattisgarh	3262	0	73.1	15.8	-0.2	240	0.2
	Gujarat	13802	0	297.9	121.8	1.3	278	0.0
	MP	9587	0	214.6	121.7	-2.2	537	0.0
	Maharashtra	20405	0	418.1	133.3	-0.9	304	0.0
	Goa	446	0	9.7	8.8	0.3	65	0.0
	DD	332	0	7.3	6.6	0.7	81	0.0
	DNH	745	0	17.4	16.4	1.0	85	0.0
SR	Essar steel	494	0	9.4	9.2	0.2	120	0.0
	Andhra Pradesh	8516	0	168.2	46.9	0.6	758	0.1
	Telangana	9050	0	181.8	74.1	-0.4	346	0.1
	Karnataka	9863	0	211.4	87.5	0.6	545	0.2
	Kerala	3383	0	67.9	52.8	1.2	203	0.1
	Tamil Nadu	13643	0	290.0	159.9	1.3	680	0.2
ER	Pondy	334	0	6.6	7.0	-0.4	23	0.0
	Bihar	3868	0	69.6	62.5	-1.2	0	0.0
	DVC	3054	0	67.2	-35.1	-1.7	50	0.0
	Jharkhand	1208	0	22.0	13.6	-1.8	100	0.0
	Odisha	4173	0	73.5	18.8	1.3	620	0.0
	West Bengal	6755	0	118.7	19.1	1.6	300	0.0
NER	Sikkim	105	0	1.6	1.7	-0.1	5	0.0
	Arunachal Pradesh	120	1	2.4	1.9	0.4	35	0.0
	Assam	1391	20	22.8	19.6	0.7	154	0.4
	Manipur	188	2	2.7	2.8	-0.1	14	0.0
	Meghalaya	323	2	5.8	3.6	0.0	47	0.0
	Mizoram	97	1	1.9	0.9	0.1	31	0.0
NER	Nagaland	114	2	2.0	1.8	0.0	41	0.0
	Tripura	215	9	4.1	2.0	0.7	62	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.4	-10.5	-12.3
Day peak (MW)	146.1	-512.6	-621.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	174.0	-182.5	96.3	-91.7	2.9	-1.0
Actual(MU)	165.0	-187.8	100.8	-86.0	3.6	-4.4
O/D/U/D(MU)	-9.0	-5.3	4.5	5.6	0.7	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5227	13366	5302	1220	190	25305
State Sector	9905	17840	5670	4435	50	37900
Total	15132	31206	10972	5655	239	63205

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	571	1142	564	441	10	2727
Hydro	93	23	62	24	8	210
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	26	44	17	0	24	112
RES (Wind, Solar, Biomass & Others)	45	38	129	2	0	214
Total	764	1270	842	467	41	3385

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

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिड०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 1-Feb-18
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	358	0.0	9.0	-9.0
2		SASARAM-FATEHPUR	S/C	0	200	0.0	1.5	-1.5
3		GAYA-BALIA	S/C	0	328	0.0	5.1	-5.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	248	0.0	6.1	-6.1
6	400 kV	PUSAULI-VARANASI	S/C	0	189	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	137	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	607	0.0	7.4	-7.4
9		PATNA-BALIA	Q/C	0	964	0.0	17.1	-17.1
10		BIHARSHARIFF-BALIA	D/C	0	307	0.0	4.0	-4.0
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	4.7	-4.7
12		BIHARSHARIFF-VARANASI	D/C	0	225	0.0	1.6	-1.6
13		220 kV	PUSAULI-SAHUPURI	S/C	0	0	0.0	0.0
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDALI	S/C	0	0	0.0	0.0	0.0
ER-NR						0.4	56.5	-56.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	5.1	0.0	5.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	449	0.0	2.8	-2.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	239	1.8	0.0	1.8
21		RANCHI-SIPAT	D/C	0	99	1.0	0.0	1.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	226	0.0	3.5	-3.5
23		BUDHIPADAR-KORBA	D/C	0	20	0.7	0.0	0.7
ER-WR						8.6	6.3	2.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	17.7	-17.7
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	352.5	0.0	12.1	-12.1
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2263.5	0.0	44.8	-44.8
27	400 kV	TALCHER-I/C	D/C	0.0	511.5	1.2	2.7	-1.5
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	74.6	-74.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	598	0.0	1.2	-1
30		ALIPURDUAR-BONGAIGAON	D/C	0	507	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.3	-1
ER-NER						3.9	2.5	1.4
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	290	0	3.1	0.0	3.1
NER-NR						3.1	0.0	3.1
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1708	0.0	42.4	-42.4
34		V'CHAL B/B	D/C	150	250	1.0	4.1	-3.1
35		APL -MHG	D/C	0	1211	0.0	20.0	-20.0
36	765 kV	GWALIOR-AGRA	D/C	0	2336	0.0	49.0	-49.0
37		PHAGI-GWALIOR	D/C	481	1496	0.0	29.4	-29.4
38	400 kV	ZERDA-KANKROLI	S/C	219	0	3.7	0.0	3.7
39		ZERDA -BHINMAL	S/C	246	138	1.9	0.0	1.9
40		V'CHAL -RIHAND	S/C	963	0	22.1	0.0	22.1
41		RAPP-SHUJALPUR	D/C	0	1705	0	2	-2
42		BADOD-KOTA	S/C	67	0	1.0	0.0	1.0
43		BADOD-MORAK	S/C	29	46	0.3	0.2	0.0
44	220 kV	MEHGAON-AURAIYA	S/C	199	0	2.2	0.0	2.2
45		MALANPUR-AURAIYA	S/C	46	0	0.5	0.0	0.5
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						32.7	147.5	-114.9
Import/Export of WR (With SR)								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	629	1090	0.0	13.4	-13.4
50		WARDHA-NIZAMABAD	D/C	0	2287	0.0	36.0	-36.0
51	400 kV	KOLHAPUR-KUDGI	D/C	343	281	1.6	1.4	0.1
52	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
53		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
54		XELDEM-AMBEWADI	S/C	89	0	1.3	0.0	1.3
WR-SR						2.8	74.7	-71.9
TRANSNATIONAL EXCHANGE								
55		BHUTAN						2.4
56		NEPAL						-10.5
57		BANGLADESH						-12.3