



**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: 02<sup>nd</sup> 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., डोंगतिह, 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 01<sup>st</sup> 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

2-Feb-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43652	44905	39312	18098	2438	148405
Peak Shortage (MW)	1955	44	0	0	52	2051
Energy Met (MU)	907	1055	914	356	42	3274
Hydro Gen(MU)	97	27	44	21	7	196
Wind Gen(MU)	14	19	35	-----	-----	69
Solar Gen (MU)*	8.09	17.78	51.55	0.69	0.02	78
Energy Shortage (MU)	26.8	0.2	0.1	0.0	0.4	27.5
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45293	50549	43383	18904	2448	152774

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	0.032	0.00	0.21	4.40	4.61	79.22	16.17

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	5343	0	105.8	30.5	0.3	168	0.0
	Haryana	6532	122	121.5	58.3	2.0	253	0.1
	Rajasthan	9953	2663	208.2	69.2	5.6	469	14.2
	Delhi	3707	0	64.8	48.1	-1.8	168	0.0
	UP	14203	780	296.1	99.4	2.5	835	0.9
	Uttarakhand	1987	0	35.2	25.9	1.3	156	1.2
	HP	1517	3	26.8	21.8	1.4	176	0.0
	J&K	2158	540	44.7	40.2	0.4	280	10.6
WR	Chandigarh	218	0	3.5	3.2	0.3	30	0.0
	Chhattisgarh	3390	0	73.8	12.1	-1.5	234	0.2
	Gujarat	13995	0	302.2	134.1	2.5	394	0.0
	MP	9880	0	215.7	125.0	-1.3	288	0.0
	Maharashtra	20532	0	419.0	135.8	1.2	434	0.0
	Goa	435	0	10.0	9.2	0.2	27	0.0
	DD	317	0	7.1	6.8	0.3	45	0.0
	DNH	733	0	17.4	16.5	0.9	66	0.0
SR	Essar steel	493	0	9.6	8.8	0.7	261	0.0
	Andhra Pradesh	8227	0	163.6	50.7	-1.5	352	0.0
	Telangana	9321	0	182.4	78.2	0.2	376	0.0
	Karnataka	9758	0	207.9	90.9	-2.3	378	0.0
	Kerala	3362	0	67.1	56.1	1.3	228	0.0
	Tamil Nadu	14188	0	286.5	167.3	-0.4	506	0.0
ER	Pondy	328	0	6.5	7.0	-0.4	15	0.0
	Bihar	3830	0	66.7	63.0	-4.5	200	0.0
	DVC	3083	0	67.7	-41.8	-1.3	225	0.0
	Jharkhand	1288	0	22.9	13.9	-1.1	45	0.0
	Odisha	4131	0	73.9	18.8	1.7	225	0.0
	West Bengal	6779	0	123.2	18.2	0.6	220	0.0
NER	Sikkim	110	0	2.0	1.6	0.3	10	0.0
	Arunachal Pradesh	125	3	2.4	1.9	0.5	35	0.0
	Assam	1438	9	23.7	19.8	1.6	154	0.3
	Manipur	190	1	2.8	2.8	0.0	14	0.0
	Meghalaya	325	0	5.8	4.5	-0.1	47	0.0
	Mizoram	96	1	1.8	1.1	-0.2	31	0.0
NER	Nagaland	118	2	2.0	1.9	0.0	41	0.0
	Tripura	227	1	3.8	2.1	0.4	62	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-10.3	-12.2
Day peak (MW)	119.9	-292.9	-618.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.8	-193.0	121.8	-98.6	4.8	0.7
Actual(MU)	159.5	-192.7	119.7	-93.4	5.7	-1.2
O/D/U/D(MU)	-6.3	0.3	-2.0	5.3	0.9	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3997	12651	5302	1220	190	23360
State Sector	10225	17055	5670	4045	50	37045
Total	14222	29706	10972	5265	239	60405

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	560	1142	556	455	9	2722
Hydro	97	26	44	21	7	195
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	34	46	19	0	24	124
RES (Wind, Solar, Biomass & Others)	49	37	126	2	0	214
Total	770	1275	814	478	40	3376

\*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(ग्रिड)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

<b>INTER-REGIONAL EXCHANGES</b>								Date of Reporting : <b>2-Feb-18</b>	
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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	0	356	0.0	10.8	-10.8	
2		SASARAM-FATEHPUR	S/C	0	278	0.0	1.5	-1.5	
3		GAYA-BALIA	S/C	0	364	0.0	6.5	-6.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	248	0.0	5.8	-5.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	185	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	132	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	515	0.0	6.2	-6.2	
9		PATNA-BALIA	Q/C	0	1042	0.0	15.4	-15.4	
10		BIHARSHARIFF-BALIA	D/C	0	291	0.0	4.2	-4.2	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	4.8	-4.8	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	0	360	0.0	1.7	-1.7	
13		PUSAULI-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	0	0	0.5	0.0	0.5
16			KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>0.5</b>	<b>56.8</b>	<b>-56.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	11.7	0.0	11.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	400	0.8	0.0	0.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	170	4.0	0.0	4.0	
21		RANCHI-SIPAT	D/C	0	57	2.4	0.0	2.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	229	0.0	3.2	-3.2	
23		BUDHIPADAR-KORBA	D/C	0	26	0.8	0.0	0.8	
<b>ER-WR</b>						<b>19.6</b>	<b>3.2</b>	<b>16.4</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	20.5	-20.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	349.8	0.0	14.4	-14.4	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2273.1	0.0	50.9	-50.9	
27	400 kV	TALCHER-I/C	D/C	0.0	915.6	0.0	10.8	-10.8	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>85.9</b>	<b>-85.9</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	961	0.0	4.7	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	0	783	3.9		4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.2	-2	
<b>ER-NER</b>						<b>3.9</b>	<b>6.9</b>	<b>-3.0</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	400	0.0	5.0	-5.0	
<b>NER-NR</b>						<b>0.0</b>	<b>5.0</b>	<b>-5.0</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1171	0.0	19.4	-19.4	
34		V'CHAL B/B	D/C	250	250	0.1	4.1	-3.9	
35		APL -MHG	D/C	0	708	0.0	13.7	-13.7	
36	765 kV	GWALIOR-AGRA	D/C	0	2744	0.0	55.3	-55.3	
37		PHAGI-GWALIOR	D/C	0	1662	0.0	34.0	-34.0	
38	400 kV	ZERDA-KANKROLI	S/C	237	0	3.8	0.0	3.8	
39		ZERDA -BHINMAL	S/C	215	70	1.8	0.0	1.8	
40		V'CHAL -RIHAND	S/C	0	480	21.9	0.0	21.9	
41		RAPP-SHUJALPUR	D/C	0	1835	0	2	-2	
42		220 kV	BADOD-KOTA	S/C	86	0	1.1	0.0	1.1
43			BADOD-MORAK	S/C	37	43	0.3	0.2	0.1
44	MEHGAON-AURAIYA		S/C	91	0	1.6	0.0	1.6	
45	132kV	MALANPUR-AURAIYA	S/C	47	0	0.6	0.0	0.6	
46		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>31.3</b>	<b>128.9</b>	<b>-97.6</b>	
<b>Import/Export of WR (With SR)</b>									
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	21.7	-21.7	
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
49	765 kV	SOLAPUR-RAICHUR	D/C	0	1234	0.0	19.5	-19.5	
50		WARDHA-NIZAMABAD	D/C	0	2040	0.0	40.3	-40.3	
51	400 kV	KOLHAPUR-KUDGI	D/C	373	41	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	
<b>WR-SR</b>						<b>2.8</b>	<b>82.8</b>	<b>-80.0</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
55		BHUTAN						<b>2.0</b>	
56		NEPAL						<b>-10.3</b>	
57		BANGLADESH						<b>-12.2</b>	