



**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: 05<sup>th</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 04.02.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-Feb - 2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 04<sup>th</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

5-Feb-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	40247	42018	37122	17812	2298	139497
Peak Shortage (MW)	606	0	66	162	38	872
Energy Met (MU)	886	1030	862	352	41	3171
Hydro Gen(MU)	95	19	37	26	8	186
Wind Gen(MU)	19	37	46	-----	-----	101
Solar Gen (MU)*	5.42	17.12	49.20	0.72	0.02	72
Energy Shortage (MU)	10.7	0.0	0.0	0.5	0.4	11.6
Maximum Demand Met during the day (MW) (from NLDC SCADA)	43354	48986	39433	17841	2230	146049

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	0.027	0.00	0.00	1.97	1.97	79.21	18.82

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	5005	0	104.7	35.6	0.1	114	0.0
	Haryana	6520	0	118.5	61.7	1.8	192	1.0
	Rajasthan	11204	0	208.8	75.9	0.8	415	0.0
	Delhi	3682	0	59.7	42.4	0.1	194	0.1
	UP	13685	110	291.5	99.2	1.2	804	0.0
	Uttarakhand	1945	0	34.2	26.4	-0.1	102	0.0
	HP	1309	0	25.3	21.5	0.1	141	0.0
	J&K	1980	495	40.8	39.8	-2.9	53	9.6
WR	Chandigarh	190	0	3.0	3.0	0.0	20	0.0
	Chhattisgarh	3301	0	73.3	7.2	-2.3	65	0.0
	Gujarat	13649	0	288.4	128.5	1.7	361	0.0
	MP	11070	0	212.7	113.3	-2.6	393	0.0
	Maharashtra	20379	0	412.4	133.9	0.0	634	0.0
	Goa	485	0	9.6	8.0	0.9	107	0.0
	DD	290	0	6.8	6.4	0.3	56	0.0
	DNH	729	0	17.2	16.7	0.6	60	0.0
SR	Essar steel	521	0	9.7	9.9	-0.2	161	0.0
	Andhra Pradesh	8410	0	163.1	46.0	-0.9	407	0.0
	Telangana	8838	0	180.7	79.1	-0.3	537	0.0
	Karnataka	9278	0	190.5	85.8	-3.4	409	0.0
	Kerala	3135	0	60.6	52.3	0.8	212	0.0
	Tamil Nadu	12437	0	261.2	146.0	-0.1	427	0.0
ER	Pondy	279	0	5.8	6.7	-0.9	12	0.0
	Bihar	3917	0	64.9	66.3	-2.6	210	0.3
	DVC	3001	0	67.5	-42.9	-1.3	324	0.0
	Jharkhand	1115	0	26.0	13.5	0.0	100	0.2
	Odisha	4133	0	78.4	20.6	6.2	360	0.0
	West Bengal	5879	0	113.3	17.1	4.8	480	0.0
NER	Sikkim	89	0	1.7	1.5	0.2	25	0.0
	Arunachal Pradesh	120	2	2.4	2.1	0.3	44	0.0
	Assam	1338	21	23.4	20.0	1.1	104	0.3
	Manipur	174	0	2.5	2.9	-0.4	17	0.0
	Meghalaya	292	0	5.3	4.4	-0.3	38	0.0
	Mizoram	90	2	1.7	1.1	-0.3	24	0.0
NER	Nagaland	112	4	2.0	2.0	-0.1	40	0.0
	Tripura	215	0	3.6	2.3	0.5	43	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.8	-10.0	-12.5
Day peak (MW)	116.3	-464.7	-632.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	186.7	-214.8	117.3	-88.8	4.5	4.9
Actual(MU)	174.9	-209.7	111.5	-74.3	4.1	6.5
O/D/U/D(MU)	-11.7	5.1	-5.8	14.4	-0.4	1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4927	11931	4802	1220	190	23070
State Sector	10935	17813	6274	5145	50	40217
Total	15862	29744	11076	6365	239	63287

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	531	1130	504	426	9	2599
Hydro	95	18	37	26	8	185
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	25	43	18	0	24	110
RES (Wind, Solar, Biomass & Others)	51	54	139	2	0	246
Total	731	1269	768	454	40	3262

\*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>5-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	378	0.0	9.9	-9.9	
2		SASARAM-FATEHPUR	S/C	0	165	0.0	0.4	-0.4	
3		GAYA-BALIA	S/C	0	341	0.0	6.0	-6.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	248	0.0	6.0	-6.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	166	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	160	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	342	0.0	5.6	-5.6	
9		PATNA-BALIA	Q/C	0	922	0.0	16.7	-16.7	
10		BIHARSHARIFF-BALIA	D/C	0	295	0.0	4.4	-4.4	
11		MOTHARI-GORAKHPUR	D/C	0	0	0.0	6.4	-6.4	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	0	174	0.0	1.6	-1.6	
13		PUSAULI-SAHUPURI	S/C	0	154	0.0	2.6	-2.6	
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>59.5</b>	<b>-59.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	14.3	0.0	14.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	329	0.0	0.2	-0.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	33	2.9	0.0	2.9	
21		RANCHI-SIPAT	D/C	0	17	2.8	0.0	2.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	225	0.0	3.0	-3.0	
23		BUDHIPADAR-KORBA	D/C	0	0	1.4	0.0	1.4	
<b>ER-WR</b>						<b>21.3</b>	<b>3.2</b>	<b>18.1</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	21.1	-21.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	11.4	-11.4	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2224.4	0.0	45.2	-45.2	
27	400 kV	TALCHER-I/C	D/C	0.0	168.9	5.9	1.2	4.7	
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>77.7</b>	<b>-77.7</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	255	1.9	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	0	243	3.9		4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	0.9	-1	
<b>ER-NER</b>						<b>5.8</b>	<b>0.9</b>	<b>5.0</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	489	0	9.6	0.0	9.6	
<b>NER-NR</b>						<b>9.6</b>	<b>0.0</b>	<b>9.6</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1433	0.0	49.4	-49.4	
34		V'CHAL B/B	D/C	250	0	7.0	0.0	7.0	
35		APL -MHG	D/C	0	709	0.0	17.7	-17.7	
36	765 kV	GWALIOR-AGRA	D/C	0	2796	0.0	57.0	-57.0	
37		PHAGI-GWALIOR	D/C	482	1816	0.0	33.9	-33.9	
38	400 kV	ZERDA-KANKROLI	S/C	199	0	3.0	0.0	3.0	
39		ZERDA -BHINMAL	S/C	215	92	1.2	0.0	1.2	
40		V'CHAL -RIHAND	S/C	967	0	22.2	0.0	22.2	
41		RAPP-SHUJALPUR	D/C	0	370	0	2	-2	
42	220 kV	BADOD-KOTA	S/C	67	6	0.5	0.0	0.5	
43		BADOD-MORAK	S/C	34	43	0.1	0.5	-0.4	
44		MEHGAON-AURAIYA	S/C	99	0	1.5	0.0	1.5	
45		MALANPUR-AURAIYA	S/C	36	0	0.5	0.0	0.5	
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>36.0</b>	<b>161.0</b>	<b>-125.0</b>	
<b>Import/Export of WR (With SR)</b>									
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.7	-23.7	
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
49	765 kV	SOLAPUR-RAICHUR	D/C	0	1270	0.0	17.6	-17.6	
50		WARDHA-NIZAMABAD	D/C	0	1954	0.0	36.9	-36.9	
51	400 kV	KOLHAPUR-KUDGI	D/C	396	30	3.3	0.0	3.3	
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>4.5</b>	<b>78.2</b>	<b>-73.6</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
55		BHUTAN						<b>2.8</b>	
56		NEPAL						<b>-10.0</b>	
57		BANGLADESH						<b>-12.5</b>	