



**National Load Despatch Centre**  
**पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड**  
**POWER SYSTEM OPERATION CORPORATION LIMITED**  
(A wholly owned subsidiary of POWERGRID)  
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

Date: 21<sup>th</sup> Nov 2016

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033  
General Manager, ERLDC, 14 Golf Club Road, Tollygunge, 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. महाप्रबंधक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093  
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नॉग्रह , लापलंग, शिलॉंग - 793006  
General Manager, 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 20.11.2016.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20 नवंबर 2016 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 20<sup>th</sup> November 2016, is available at the NLDC website.

Thanking You.



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

Report for previous day

Date of Reporting

21-Nov-16

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	34021	40873	34524	16385	2162	127965
Peak Shortage (MW)	436	10	0	150	16	612
Energy Met (MU)	765	962	809	301	37	2873
Hydro Gen(MU)	106	38	21	30	11	204
Wind Gen(MU)	12	7	16	-----	-----	34
Solar Gen (MU)*	3.23	9.86	11.50	0.04	0.02	25

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
NEW GRID	0.043	0.00	0.00	5.59	5.59	69.79	24.62
SR GRID	0.043	0.00	0.00	5.59	5.59	69.79	24.62

RegionRegion	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)
NR	Punjab	4132	0	81.5	44.7	-2.6	192
	Haryana	5342	0	94.6	78.8	-6.3	118
	Rajasthan	9618	0	197.0	72.3	0.9	212
	Delhi	2925	0	52.5	36.4	1.6	263
	UP	11803	0	247.7	84.3	-1.3	384
	Uttarakhand	1596	0	29.6	16.4	-0.8	155
	HP	1234	0	22.6	17.0	-0.2	99
	J&K	1744	436	36.3	35.8	-5.0	0
	Chandigarh	163	0	2.9	3.0	-0.1	28
WR	Chhattisgarh	2795	0	60.4	3.0	-2.6	131
	Gujarat	12178	0	262.6	79.0	-0.9	577
	MP	10576	0	214.3	143.9	-3.5	466
	Maharashtra	18901	0	388.0	107.9	-0.5	523
	Goa	389	0	7.9	7.4	0.0	15
	DD	260	0	6.0	6.0	-0.1	2
	DNH	684	0	15.7	16.2	-0.5	26
	Essar steel	384	0	7.2	7.2	0.0	150
	Andhra Pradesh	6702	0	150.9	30.4	3.4	382
SR	Telangana	6375	0	127.9	64.6	-0.2	287
	Karnataka	8855	0	190.0	72.0	1.3	511
	Kerala	3167	0	60.7	53.4	2.6	218
	Tamil Nadu	12201	0	273.5	147.6	1.4	499
	Pondy	277	0	5.9	6.5	-0.6	53
	Bihar	3388	150	61.2	58.8	0.3	345
ER	DVC	2482	0	54.8	-34.1	-1.2	305
	Jharkhand	1174	0	22.8	14.5	0.9	120
	Odisha	3662	0	64.6	20.6	-0.6	305
	West Bengal	6266	0	96.4	17.2	1.0	245
	Sikkim	64	0	1.1	1.6	-0.5	20
	Arunachal Pradesh	118	0	1.8	2.1	-0.3	7
NER	Assam	1303	0	22.4	16.3	1.9	101
	Manipur	129	0	2.2	2.3	-0.1	10
	Meghalaya	249	0	4.4	3.7	-0.4	8
	Mizoram	69	0	1.3	1.3	0.0	14
	Nagaland	98	0	1.5	1.8	-0.4	5
	Tripura	205	0	3.1	2.5	-0.1	98

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.7	-3.4	-11.9
Day peak (MW)	568.0	0.0	-572.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	163.7	-163.8	90.2	-91.2	0.2	-0.9
Actual(MU)	165.7	-165.2	93.0	-91.4	-0.9	1.2
O/D/U/D(MU)	2.0	-1.5	2.8	-0.2	-1.1	2.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5842	11821	2710	270	84	20727
State Sector	12555	18089	5834	5824	110	42412
Total	18397	29910	8544	6094	194	63140

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

सचिव(ऊर्जा)/संयुक्त सचिव(पारिषद)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(शि०प्र०)/  
अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिड)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES									
								Date of Reporting :	21-Nov-16
								Import=(+ve) /Export =(-ve) for NET (MU)	
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765KV	GAYA-VARANASI	D/C	0	326	0.0	11.7	-11.7	
2		SASARAM-FATEHPUR	S/C	238	80	0.0	1.8	-1.8	
3		GAYA-BALIA	S/C	0	329	0.0	6.3	-6.3	
4	HVDC LINK	PUSAULI B/B	S/C	0	148	0.0	0.0	0.0	
5	400 KV	PUSAULI-SARNATH	S/C	0	163	0.0	2.6	-2.6	
6		PUSAULI -ALLAHABAD	S/C	25	39	0.0	0.1	-0.1	
7		MUZAFFARPUR-GORAKHPUR	D/C	175	306	0.0	3.4	-3.4	
8		PATNA-BALIA	Q/C	0	696	0.0	13.9	-13.9	
9		BIHARSHARIFF-BALIA	D/C	100	134	0.0	1.8	-1.8	
10		BARH-GORAKHPUR	D/C	0	473	0.0	10.6	-10.6	
11	220 KV	BIHARSHARIFF-VARANASI	D/C	24	0	0.3	0.0	0.3	
12		PUSAULI-SAHUPURI	S/C	0	205	0.0	3.5	-3.5	
13		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
14		GARWAH-RIHAND	S/C	35	0	0.8	0.0	0.8	
15		KARMANASA-SAHUPURI	S/C	0	0	0.5	0.0	0.5	
16	132 KV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>1.6</b>	<b>55.7</b>	<b>-54.1</b>	
<b>Import/Export of ER (With WR)</b>									
17	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	829	0.0	12.2	-12.2	
18		NEW RANCHI-DHARAMJAIGARH	D/C	309	274	1.0	0.0	1.0	
19	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	156	41	1.1	0.0	1.1	
20		JHARSUGUDA-RAIGARH	S/C	188	0	2.2	0.0	2.2	
21		IBEUL-RAIGARH	S/C	133	0	1.5	0.0	1.5	
22		STERLITE-RAIGARH	D/C	83	159	0.0	1.6	-1.6	
23	220 KV	RANCHI-SIPAT	D/C	226	35	1.3	0.0	1.3	
24		BUDHIPADAR-RAIGARH	S/C	51	95	0.0	0.5	-0.5	
25		BUDHIPADAR-KORBA	D/C	206	0	2.7	0.0	2.7	
<b>ER-WR</b>						<b>9.8</b>	<b>14.3</b>	<b>-4.5</b>	
<b>Import/Export of ER (With SR)</b>									
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	330	0.0	14.7	-14.7	
27	400 KV	TALCHER-KOLAR BIPOLE	D/C	0.0	2450	0.0	47.1	-47.1	
28		TALCHER-I/C		0.0	1206	0.0	16.0	-16.0	
29	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>61.8</b>	<b>-61.8</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 KV	BINAGURI-BONGAIGAON	Q/C	0	1037	0.0	13.1	-13	
31	220 KV	BIRPARA-SALAKATI	D/C	0	0	0.0	2.1	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>15.3</b>	<b>-15.3</b>	
<b>Import/Export of NR (With NER)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	16.1	0.0	16.1	
<b>NR-NER</b>						<b>16.1</b>	<b>0.0</b>	<b>16.1</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	VCHAL B/B	D/C	500	0	12.1	0.0	12.1	
34	HVDC	APL -MHG	D/C	0	1311	0.0	26.0	-26.0	
35	765 KV	GWALIOR-AGRA	D/C	0	2294	0.0	51.1	-51.1	
36	765 KV	PHAGI-GWALIOR	D/C	0	1790	0.0	37.3	-37.3	
37	400 KV	ZERDA-KANKROLI	S/C	125	71	0.8	0.0	0.8	
38	400 KV	ZERDA -BHINMAL	S/C	119	225	0.0	0.4	-0.4	
39	400 KV	VCHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
40	400KV	RAPP-SHUJALPUR	D/C	0	380	0	6	-6	
41	220 KV	BADOD-KOTA	S/C	98	0	1.5	0.0	1.5	
42		BADOD-MORAK	S/C	44	5	0.6	0.0	0.6	
43		MEHGAON-AURAIYA	S/C	71	0	1.6	0.0	1.6	
44		MALANPUR-AURAIYA	S/C	33	0	0.7	0.0	0.7	
45	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>17.3</b>	<b>120.4</b>	<b>-103.2</b>	
<b>Import/Export of WR (With SR)</b>									
46	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9	
47	765 KV	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
48		SOLAPUR-RAICHUR	D/C	0	2434	0.0	46.3	-46.3	
49	400 KV	KOLHAPUR-KUDGI	D/C	0	475	0.0	6.9	-6.9	
50	220 KV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
51		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
52		XELDEM-AMBEWADI	S/C	74	0	1.5	0.0	1.5	
<b>WR-SR</b>						<b>1.5</b>	<b>77.1</b>	<b>-75.6</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
54		BHUTAN						11.7	
55		NEPAL						-3.4	
56		BANGLADESH						-11.9	