



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: 4th Dec 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 03.12.2018.**

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-दिसम्बर-2018 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 3<sup>rd</sup> December 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

4-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42420	48528	39736	17504	2393	150581
Peak Shortage (MW)	495	0	0	0	49	544
Energy Met (MU)	899	1132	896	338	42	3306
Hydro Gen (MU)	114	25	74	30	7	250
Wind Gen (MU)	6	27	55	-----	-----	88
Solar Gen (MU)*	20.19	16.79	62.55	0.69	0.04	100
Energy Shortage (MU)	11.9	0.0	0.0	0.0	0.7	12.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42848 18:40	54465 10:24	40753 07:40	17929 19:11	2509 17:24	154660 17:56

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	0.043	0.00	0.06	12.86	12.92	76.66	10.43

C. Power Supply Position in States

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	5700	0	123.0	41.3	-0.1	96	0.0	
	Haryana	6366	0	123.5	64.0	5.0	408	0.0	
	Rajasthan	12139	0	229.4	73.8	0.7	322	0.0	
	Delhi	3350	0	61.6	46.1	-0.5	141	0.0	
	UP	12389	0	253.5	103.5	0.5	191	1.7	
	Uttarakhand	1848	0	34.7	23.7	0.1	159	0.0	
	HP	1491	0	27.0	19.0	0.1	109	0.0	
	J&K	2082	521	42.8	40.4	-3.2	58	10.2	
	Chandigarh	187	0	3.2	3.2	0.0	26	0.0	
	WR	Chhattisgarh	3536	0	75.4	9.6	-0.4	281	0.0
Gujarat		15159	0	324.3	112.2	0.4	476	0.0	
MP		13438	0	258.4	144.3	0.2	647	0.0	
Maharashtra		21270	0	430.1	109.3	1.4	468	0.0	
Goa		484	0	9.6	9.1	0.1	58	0.0	
DD		307	0	6.6	5.8	0.8	85	0.0	
DNH		718	0	16.2	15.2	1.0	89	0.0	
Essar steel		538	0	10.9	11.2	-0.3	263	0.0	
SR		Andhra Pradesh	7777	0	168.3	56.0	1.5	506	0.0
		Telangana	7994	0	167.9	72.8	2.5	443	0.0
	Karnataka	11163	0	209.3	69.6	-0.5	461	0.0	
	Kerala	3658	0	70.7	55.8	1.6	188	0.0	
	Tamil Nadu	13588	0	273.8	126.7	1.2	499	0.0	
	Pondy	313	0	6.3	6.8	-0.5	27	0.0	
ER	Bihar	3972	0	69.7	65.9	0.8	460	0.0	
	DVC	2812	0	60.7	-17.9	1.2	396	0.0	
	Jharkhand	1162	0	25.0	14.5	-0.7	169	0.0	
	Odisha	4008	0	75.7	35.9	-1.9	267	0.0	
	West Bengal	6316	0	105.2	15.6	0.0	309	0.0	
	Sikkim	99	0	1.5	1.6	-0.2	18	0.0	
NER	Arunachal Pradesh	117	3	2.1	1.8	0.3	37	0.0	
	Assam	1403	18	23.6	18.0	1.4	107	0.3	
	Manipur	179	3	2.7	2.9	-0.2	37	0.0	
	Meghalaya	353	0	6.4	5.3	-0.1	24	0.3	
	Mizoram	88	2	1.5	0.9	0.2	12	0.0	
	Nagaland	126	2	2.2	1.6	0.4	45	0.0	
	Tripura	222	1	4.0	1.3	0.6	52	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.2	-3.8	-13.3
Day peak (MW)	259.9	-168.0	-808.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	167.4	-183.5	87.7	-72.1	5.2	4.7
Actual(MU)	158.7	-184.3	87.6	-69.2	5.4	-1.9
O/D/U/D(MU)	-8.7	-0.8	-0.1	2.9	0.2	-6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4649	16090	7382	1495	356	29972
State Sector	12505	13318	8890	5725	50	40488
Total	17154	29408	16272	7220	406	70459

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	503	1189	476	405	4	2576
Lignite	21	15	51	0	0	87
Hydro	114	25	74	30	7	250
Nuclear	25	19	36	0	0	80
Gas, Naptha & Diesel	26	37	23	0	30	116
RES (Wind, Solar, Biomass & Others)	62	46	157	1	0	266
Total	751	1331	817	435	40	3375
Share of RES in total generation (%)	8.24	3.44	19.22	0.17	0.10	7.87
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.76	6.76	32.67	7.04	17.89	17.65

H. Diversity Factor

All India Demand Diversity Factor	1.025
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Diversity factor = Sum of regional maximum demands / All India maximum demand

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

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 4-Dec-18

Import=(+ve)  
/Export=(-ve)  
for NET (MU)

Sl 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	576	0.0	7.3	-7.3
2		SASARAM-FATEHPUR	S/C	0	252	0.0	3.2	-3.2
3		GAYA-BALIA	S/C	0	190	0.0	1.8	-1.8
4		ALIPURDUAR-AGRA	-	0	306	0.0	6.5	-6.5
5	HVDC	PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	50	29	0.4	0.0	0.4
7		PUSAULI-ALLAHABAD	S/C	108	19	1.0	0.0	1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	228	215	0.1	0.0	0.1
9		PATNA-BALIA	Q/C	0	749	0.0	14.0	-14.0
10		BIHARSHARIFF-BALIA	D/C	12	69	0.0	1.5	-1.5
11		MOTIHARI-GORAKHPUR	D/C	0	363	0.0	5.8	-5.8
12		BIHARSHARIFF-VARANASI	D/C	84	106	0.0	0.5	-0.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	157	0.0	2.9	-2.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6
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>2.1</b>	<b>43.5</b>	<b>-41.4</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1434	0	20.1	0.0	20.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	309	283	0.2	0.0	0.2
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	222	87	1.6	0.0	1.6
21		RANCHI-SIPAT	D/C	235	0	2.9	0.0	2.9
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	89	0.0	1.0	-1.0
23		BUDHIPADAR-KORBA	D/C	174	0	3.0	0.0	3.0
<b>ER-WR</b>						<b>27.8</b>	<b>1.0</b>	<b>26.8</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1682.0	0.0	30.2	-30.2
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	623.0	0.0	11.8	-11.8
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.0	0.0	36.2	-36.2
27	400 kV	TALCHER-I/C	D/C	0.0	583.0	7.5	0.0	7.5
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>78.2</b>	<b>-78.2</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	567	0.0	9.8	-10
30		ALIPURDUAR-BONGAIGAON	D/C	0	476	0.0	7.0	-7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	179	0.0	2.6	-3
<b>ER-NER</b>						<b>0.0</b>	<b>19.5</b>	<b>-19.5</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	13.6	-13.6
<b>NER-NR</b>						<b>0.0</b>	<b>13.6</b>	<b>-13.6</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1003	0.0	23.7	-23.7
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	886	0.0	20.4	-20.4
36		GWALIOR-AGRA	D/C	0	911	0.0	30.3	-30.3
37		PHAGI-GWALIOR	D/C	0	1593	0.0	26.4	-26.4
38		JABALPUR-ORAI	D/C	53	338	0.0	9.3	-9.3
39		GWALIOR-ORAI	S/C	533	0	9.4	0.0	9.4
40		SATNA-ORAI	S/C	0	1696	0.0	37.4	-37.4
41		400 kV	ZERDA-KANKROLI	S/C	270	86	2.0	0.0
42	ZERDA -BHINMAL		S/C	126	269	1.7	0.0	1.7
43	V'CHAL -RIHAND		S/C	995	0	22.0	0.0	22.0
44	RAPP-SHUJALPUR		D/C	203	106	1	0	1
45	220 kV	BADOD-KOTA	S/C	45	15	1.1	0.0	1.1
46		BADOD-MORAK	S/C	54	53	0.2	0.3	-0.1
47		MEHGAON-AURAIYA	S/C	107	0	1.3	0.0	1.3
48	132kV	MALANPUR-AURAIYA	S/C	62	11	0.6	0.0	0.5
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>45.0</b>	<b>147.8</b>	<b>-102.9</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	989	0.0	23.3	-23.3
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	260	1757	0.0	19.1	-19.1
53		WARDHA-NIZAMABAD	D/C	0	2101	0.0	28.6	-28.6
54	400 kV	KOLHAPUR-KUDGI	D/C	1296	0	15.8	0.0	15.8
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	0	63	1.1	0.0	1.1
<b>WR-SR</b>						<b>16.9</b>	<b>71.0</b>	<b>-54.1</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>3.2</b>
59		NEPAL						<b>-3.8</b>
60		BANGLADESH						<b>-13.3</b>