



**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: 30<sup>th</sup> Nov 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. 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
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. 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 29.11.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-नवंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 29<sup>th</sup> November 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

30-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42519	49431	39684	18059	2455	152148
Peak Shortage (MW)	532	0	0	0	52	584
Energy Met (MU)	911	1152	897	349	45	3356
Hydro Gen (MU)	119	23	71	45	8	266
Wind Gen (MU)	8	36	34	-----	-----	78
Solar Gen (MU)*	20.36	19.44	59.43	0.81	0.05	100
Energy Shortage (MU)	11.2	0.0	0.0	0.0	0.6	11.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43196 17:59	54935 10:33	41558 07:28	18476 18:45	2496 17:20	155261 17:59

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	0.078	0.00	1.61	25.74	27.35	65.72	6.93

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	5581	0	126.2	35.7	-0.3	228	0.0	
	Haryana	6207	0	121.9	66.6	0.0	159	0.0	
	Rajasthan	11545	0	227.8	63.5	1.2	372	0.0	
	Delhi	3394	0	62.3	46.6	0.3	210	0.0	
	UP	12429	20	259.6	107.9	0.6	402	0.0	
	Uttarakhand	1866	0	35.0	22.2	0.9	126	0.0	
	HP	1529	0	28.2	20.7	-0.3	80	0.0	
	J&K	2318	579	47.3	39.1	1.8	402	11.2	
	Chandigarh	182	0	3.2	2.8	0.4	31	0.0	
	WR	Chhattisgarh	3572	0	76.9	7.8	-1.0	233	0.0
Gujarat		14967	0	329.5	128.1	1.6	628	0.0	
MP		13242	0	258.6	148.7	-2.4	625	0.0	
Maharashtra		21771	0	442.5	116.3	0.3	1031	0.0	
Goa		480	0	9.8	9.3	0.2	92	0.0	
DD		304	0	6.9	6.3	0.6	65	0.0	
DNH		683	0	16.0	15.5	0.4	60	0.0	
Essar steel		590	0	12.3	12.4	-0.1	107	0.0	
SR		Andhra Pradesh	8104	0	172.6	65.5	0.8	575	0.0
		Telangana	8035	0	170.2	66.1	1.9	824	0.0
	Karnataka	10384	0	206.5	74.7	-0.5	513	0.0	
	Kerala	3524	0	71.7	56.6	2.0	328	0.0	
	Tamil Nadu	12689	0	269.7	129.9	-2.1	531	0.0	
	Pondy	326	0	6.6	6.9	-0.3	29	0.0	
ER	Bihar	4097	0	68.5	64.4	1.4	460	0.0	
	DVC	2727	0	56.7	-34.9	3.0	396	0.0	
	Jharkhand	1037	0	23.0	13.6	0.4	169	0.0	
	Odisha	4332	0	85.5	36.7	3.1	267	0.0	
	West Bengal	6459	0	114.3	21.4	0.4	309	0.0	
	Sikkim	100	0	1.4	1.4	0.1	18	0.0	
NER	Arunachal Pradesh	121	2	2.2	2.1	0.1	90	0.0	
	Assam	1482	38	24.0	17.8	0.6	134	0.5	
	Manipur	163	7	2.5	2.6	-0.1	37	0.0	
	Meghalaya	352	6	6.6	5.0	0.0	35	0.0	
	Mizoram	92	11	2.0	1.0	0.3	14	0.0	
	Nagaland	124	4	2.2	1.7	0.3	25	0.0	
	Tripura	212	3	5.9	1.2	0.4	75	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.9	-2.8	-11.3
Day peak (MW)	363.0	-140.0	-814.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	156.8	-161.5	91.3	-86.7	0.2	0.1
Actual(MU)	150.2	-171.3	88.1	-71.3	2.5	-1.7
O/D/U/D(MU)	-6.6	-9.8	-3.1	15.4	2.3	-1.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4770	16010	6282	1760	695	29517
State Sector	11395	14353	7670	5665	50	39133
Total	16165	30363	13952	7425	744	68649

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	528	1190	493	409	10	2631
Lignite	23	16	58	0	0	97
Hydro	119	23	71	45	8	266
Nuclear	25	19	36	0	0	80
Gas, Naptha & Diesel	30	36	26	0	28	120
RES (Wind, Solar, Biomass & Others)	59	57	132	1	0	249
Total	783	1343	816	455	45	3442

Share of RES in total generation (%)	7.51	4.27	16.16	0.19	0.11	7.23
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.81	7.41	29.31	10.02	17.27	17.27

H. Diversity Factor

All India Demand Diversity Factor	1.035
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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 : 30-Nov-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	25	566	0.0	6.6	-6.6	
2		SASARAM-FATEHPUR	S/C	0	294	0.0	3.7	-3.7	
3		GAYA-BALIA	S/C	0	281	0.0	4.8	-4.8	
4		ALIPURDUAR-AGRA	-	0	200	0.0	5.0	-5.0	
5	HVDC	PUSAULI B/B	S/C	4	0	0.0	0.0	0.0	
6	400 kV	PUSAULI-VARANASI	S/C	58	14	0.4	0.0	0.4	
7		PUSAULI -ALLAHABAD	S/C	99	44	0.8	0.0	0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	146	398	0.0	2.2	-2.2	
9		PATNA-BALIA	Q/C	0	664	0.0	9.2	-9.2	
10		BIHARSHARIFF-BALIA	D/C	0	122	0.0	1.2	-1.2	
11		MOTIHARI-GORAKHPUR	D/C	0	310	0.0	6.4	-6.4	
12		BIHARSHARIFF-VARANASI	D/C	164	140	0.0	0.3	-0.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	120	0.0	2.4	-2.4	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	25	0	0.7	0.0	0.7	
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>1.9</b>	<b>41.7</b>	<b>-39.8</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1340	0	18.7	0.0	18.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	253	312	0.0	0.3	-0.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	279	74	1.5	0.0	1.5	
21		RANCHI-SIPAT	D/C	200	0	3.0	0.0	3.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	7	97	0.0	1.0	-1.0	
23		BUDHIPADAR-KORBA	D/C	226	0	3.9	0.0	3.9	
<b>ER-WR</b>						<b>27.1</b>	<b>1.3</b>	<b>25.9</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1553.0	0.0	26.2	-26.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	631.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	42.3	-42.3	
27	400 kV	TALCHER-I/C	D/C	0.0	676.0	0.0	0.3	-0.3	
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>83.1</b>	<b>-83.1</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	618	0.0	8.1	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	0	483	0.0	5.3	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	178	0.0	2.3	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>15.6</b>	<b>-15.6</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	653	0.0	13.4	-13.4	
<b>NER-NR</b>						<b>0.0</b>	<b>13.4</b>	<b>-13.4</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1506	0.0	27.8	-27.8	
34		V'CHAL B/B	D/C	241	0	5.7	0.0	5.7	
35		APL -MHG	D/C	0	980	0.0	23.7	-23.7	
36		GWALIOR-AGRA	D/C	0	835	0.0	28.5	-28.5	
37	765 kV	PHAGI-GWALIOR	D/C	0	1452	0.0	20.5	-20.5	
38		JABALPUR-ORAI	D/C	121	322	0.0	6.6	-6.6	
39		GWALIOR-ORAI	S/C	685	0	8.3	0.0	8.3	
40		SATNA-ORAI	S/C	0	1988	0.0	38.7	-38.7	
41		400 kV	ZERDA-KANKROLI	S/C	309	0	5.3	0.0	5.3
42			ZERDA -BHINMAL	S/C	180	156	1.8	0.0	1.8
43	V'CHAL -RIHAND		S/C	997	0	22.4	0.0	22.4	
44	RAPP-SHUJALPUR		D/C	310	138	1	0	1	
45	220 kV	BADOD-KOTA	S/C	47	16	1.3	0.0	1.3	
46		BADOD-MORAK	S/C	40	39	0.2	0.2	0.0	
47		MEHGAON-AURAIYA	S/C	116	0	1.8	0.0	1.8	
48		MALANPUR-AURAIYA	S/C	74	0	1.0	0.0	1.0	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>48.9</b>	<b>146.0</b>	<b>-97.1</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	21.2	-21.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	521	1384	0.0	15.8	-15.8	
53		WARDHA-NIZAMABAD	D/C	0	1984	0.0	27.3	-27.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	1032	0	15.2	0.0	15.2	
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	66	1.2	0.0	1.2	
<b>WR-SR</b>						<b>16.4</b>	<b>64.3</b>	<b>-47.9</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>8.9</b>	
59		NEPAL						<b>-2.8</b>	
60		BANGLADESH						<b>-11.3</b>	