



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> Oct 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 29.10.2018.**

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-अक्टूबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंके 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> October 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-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43561	52230	41825	19638	2404	159658
Peak Shortage (MW)	376	0	0	300	105	781
Energy Met (MU)	929	1229	981	382	42	3563
Hydro Gen (MU)	150	20	105	55	14	344
Wind Gen (MU)	9	40	47	-----	-----	95
Solar Gen (MU)*	22.36	19.26	69.22	0.89	0.03	112
Energy Shortage (MU)	10.0	0.1	0.0	0.9	1.1	12.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44986 18:14	56373 10:56	43334 10:14	20294 18:31	2462 17:38	162335 18:31

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	0.036	0.00	0.00	7.25	7.25	80.13	12.63

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	5715	0	128.4	42.5	-0.3	154	0.0	
	Haryana	6424	0	123.0	87.5	0.9	303	0.2	
	Rajasthan	11049	0	224.7	50.9	4.1	605	0.0	
	Delhi	3582	0	69.7	50.9	0.1	225	0.0	
	UP	13567	0	285.8	117.1	-0.6	184	0.0	
	Uttarakhand	1943	0	35.1	15.2	0.5	224	0.0	
	HP	1429	0	25.8	13.6	1.4	146	0.8	
	J&K	1586	397	32.7	35.8	-10.6	487	9.0	
WR	Chhattisgarh	175	0	3.2	3.2	0.1	37	0.0	
	Gujarat	4088	0	87.4	29.8	0.8	658	0.0	
	Maharashtra	16357	0	360.7	129.3	8.9	1034	0.0	
	MP	12018	0	252.7	143.0	-1.1	355	0.0	
	Goa	23198	0	489.3	172.2	-2.1	631	0.0	
	DD	416	0	9.2	9.6	-1.0	63	0.1	
	DNH	326	0	7.2	6.3	0.9	117	0.0	
	Essar steel	695	0	16.0	15.2	0.8	107	0.0	
SR	Andhra Pradesh	485	0	6.7	6.3	0.4	246	0.0	
	Telangana	9036	0	194.1	62.9	5.5	1009	0.0	
	Karnataka	9602	0	200.4	82.1	1.3	771	0.0	
	Kerala	9852	0	209.0	40.5	2.6	601	0.0	
	Tamil Nadu	3534	0	70.2	39.9	1.2	268	0.0	
	Pondy	13572	0	300.2	152.0	4.4	1048	0.0	
	Bihar	352	0	7.0	7.2	-0.2	35	0.0	
	ER	Bihar	4485	100	77.4	73.1	1.8	100	0.3
DVC		2975	150	63.7	23.2	4.0	230	0.5	
Jharkhand		1002	50	22.9	16.0	0.4	120	0.2	
Odisha		4931	0	94.9	35.5	2.2	150	0.0	
West Bengal		6993	0	122.0	33.6	3.0	350	0.0	
Sikkim		95	0	1.3	1.3	0.0	30	0.0	
NER		Assam	108	4	2.0	2.1	-0.1	14	0.0
		Manipur	1523	45	24.1	20.0	-0.5	45	0.9
	Mizoram	172	4	2.3	2.5	-0.2	29	0.0	
	Meghalaya	329	0	5.4	2.9	-0.1	24	0.0	
	Nagaland	83	3	1.8	1.1	0.3	12	0.0	
	Tripura	114	4	2.2	1.5	0.3	23	0.0	
	Tripura	225	2	4.5	2.4	0.1	21	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.8	-2.6	-19.7
Day peak (MW)	401.8	-136.0	-912.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	140.3	-166.2	78.0	-50.7	-1.2	0.2
Actual(MU)	121.1	-177.7	88.8	-31.8	-5.6	-5.3
O/D/U/D(MU)	-19.2	-11.6	10.8	18.9	-4.4	-5.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3604	12663	8872	2240	116	27494
State Sector	11765	12536	7970	5905	50	38226
Total	15369	25199	16842	8145	166	65720

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	558	1245	563	387	9	2762
Hydro	150	20	105	55	14	344
Nuclear	25	30	43	0	0	98
Gas, Naptha & Diesel	49	55	25	0	29	159
RES (Wind, Solar, Biomass & Others)	47	60	159	1	0	267
Total	829	1410	894	443	52	3629

Share of RES in total generation (%)	5.67	4.27	17.73	0.21	0.06	7.35
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.78	7.79	34.25	12.70	26.37	19.52

H. Diversity Factor

All India Demand Diversity Factor	1.032
-----------------------------------	-------

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-Oct-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	187	273	0.0	1.7	-1.7	
2		SASARAM-FATEHPUR	S/C	285	0	4.0	0.0	4.0	
3		GAYA-BALIA	S/C	0	155	0.0	2.1	-2.1	
4		ALIPURDUAR-AGRA	-	0	251	0.0	5.8	-5.8	
5	400 kV	PUSAULI B/B	S/C	0	399	0.0	9.5	-9.5	
6		PUSAULI-VARANASI	S/C	0	299	0.0	6.3	-6.3	
7		PUSAULI -ALLAHABAD	S/C	0	158	0.0	3.0	-3.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	231	347	0.0	1.5	-1.5	
9		PATNA-BALIA	Q/C	0	632	0.0	11.9	-11.9	
10		BIHARSHARIFF-BALIA	D/C	97	112	0.0	0.2	-0.2	
11		MOTIHARI-GORAKHPUR	D/C	0	304	0.0	6.0	-6.0	
12		BIHARSHARIFF-VARANASI	D/C	277	10	2.6	0.0	2.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	156	0.0	3.0	-3.0	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15	132 kV	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>7.2</b>	<b>51.0</b>	<b>-43.8</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1105	0	13.3	0.0	13.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	547	277	5.2	0.0	5.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	643	0	9.3	0.0	9.3	
21		RANCHI-SIPAT	D/C	274	26	3.0	0.0	3.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	222	0	3.3	0.0	3.3	
<b>ER-WR</b>						<b>34.1</b>	<b>0.0</b>	<b>34.1</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1851.0	0.0	33.5	-33.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	661.0	0.0	15.7	-15.7	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	19.0	987.0	0.0	12.2	-12.2	
27	400 kV	TALCHER-I/C	D/C	288.0	481.0	24.6	0.0	24.6	
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>61.4</b>	<b>-61.4</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	435	0.0	5.5	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	77	269	0.0	2.0	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	103	0.0	1.2	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>8.7</b>	<b>-8.7</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	14.7	-14.7	
<b>NER-NR</b>						<b>0.0</b>	<b>14.7</b>	<b>-14.7</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	660	0.0	12.7	-12.7	
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	983	0.0	24.2	-24.2	
36		GWALIOR-AGRA	D/C	0	789	0.0	28.2	-28.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	1261	0.0	19.4	-19.4	
38		JABALPUR-ORAI	D/C	187	257	0.0	2.8	-2.8	
39		GWALIOR-ORAI	S/C	523	0	9.6	0.0	9.6	
40		SATNA-ORAI	S/C	0	1639	0.0	35.9	-35.9	
41		400 kV	ZERDA-KANKROLI	S/C	450	0	7.0	0.0	7.0
42			ZERDA -BHINMAL	S/C	228	53	2.7	0.0	2.7
43	V'CHAL -RIHAND		S/C	491	0	11.4	0.0	11.4	
44	220 kV	RAPP-SHUJALPUR	D/C	509	0	3	0	3	
45		BADOD-KOTA	S/C	69	0	0.9	0.0	0.9	
46		BADOD-MORAK	S/C	40	56	0.8	0.0	0.8	
47		MEHGAON-AURAIYA	S/C	114	0	1.8	0.0	1.8	
48		MALANPUR-AURAIYA	S/C	84	0	1.2	0.0	1.2	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>44.6</b>	<b>123.2</b>	<b>-78.6</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	212	1593	0.0	20.9	-20.9	
53		WARDHA-NIZAMABAD	D/C	0	1847	0.0	33.0	-33.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	806	0	11.6	0.0	11.6	
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	1	57	1.0	0.0	1.0	
<b>WR-SR</b>						<b>12.5</b>	<b>77.8</b>	<b>-65.2</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>7.8</b>	
59		NEPAL						<b>-2.6</b>	
60		BANGLADESH						<b>-19.7</b>	