



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: 2<sup>nd</sup> Oct 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 01.10.2018.**

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-अक्टूबर-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 01<sup>st</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

2-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	48358	51908	40526	21384	2685	164861
Peak Shortage (MW)	1402	0	540	1414	126	3482
Energy Met (MU)	1068	1231	948	463	48	3758
Hydro Gen (MU)	246	38	109	106	22	521
Wind Gen (MU)	9	16	28	-----	-----	52
Solar Gen (MU)*	22.09	20.48	56.68	1.01	0.02	100
Energy Shortage (MU)	11.3	0.0	1.9	4.2	1.8	19.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50254 19:00	54613 14:37	41501 15:27	22043 20:45	2800 18:39	167661 18:54

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	0.056	0.00	0.58	17.81	18.39	74.70	6.91

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	7205	0	157.0	22.6	-1.1	93	0.0	
	Haryana	6939	553	135.5	98.8	1.8	232	1.6	
	Rajasthan	9546	0	211.7	47.6	0.3	551	0.0	
	Delhi	4513	0	94.4	70.0	-1.2	131	0.0	
	UP	16741	0	362.5	126.3	0.6	402	0.0	
	Uttarakhand	1923	0	37.7	16.9	-0.1	191	0.5	
	HP	1364	0	26.2	6.2	-0.1	60	0.0	
	J&K	1879	470	38.9	30.1	-4.7	13	9.2	
	Chandigarh	216	0	4.2	4.7	-0.5	14	0.0	
	WR	Chhattisgarh	4376	0	102.4	36.9	-3.7	497	0.0
Gujarat		17280	0	386.4	105.2	9.5	734	0.0	
MP		9347	0	208.6	109.1	-0.5	585	0.0	
Maharashtra		22794	0	491.5	187.5	1.1	554	0.0	
Goa		500	0	13.2	10.2	-0.2	143	0.0	
DD		292	0	6.5	5.7	0.8	81	0.0	
DNH		736	0	17.1	16.6	0.6	137	0.0	
Essar steel		398	0	5.9	5.1	0.8	352	0.0	
SR		Andhra Pradesh	8558	0	184.4	58.9	5.2	624	0.0
		Telangana	9985	0	213.9	89.6	3.8	690	0.0
	Karnataka	8555	0	175.6	18.3	-1.2	574	0.0	
	Kerala	3293	500	72.1	36.2	1.7	292	1.5	
	Tamil Nadu	13696	0	295.0	170.6	0.7	650	0.0	
	Pondy	308	40	6.9	6.1	0.9	64	0.4	
ER	Bihar	5013	0	98.9	97.4	-1.5	50	0.0	
	DVC	2655	-2	53.1	-24.1	5.0	400	2.3	
	Jharkhand	1092	-1	23.4	16.1	1.7	150	0.6	
	Odisha	5112	-1	114.8	34.2	8.2	600	1.4	
	West Bengal	8775	0	171.2	74.4	1.2	250	0.0	
	Sikkim	90	0	1.1	1.0	0.1	20	0.0	
NER	Arunachal Pradesh	116	4	2.2	2.3	-0.1	49	0.0	
	Assam	1787	24	29.1	23.0	0.9	193	1.7	
	Manipur	186	2	2.2	2.1	0.1	31	0.0	
	Meghalaya	281	0	5.2	1.8	0.1	58	0.0	
	Mizoram	86	0	1.4	0.9	0.2	25	0.0	
	Nagaland	117	3	2.4	1.6	0.3	47	0.0	
	Tripura	280	3	5.0	3.6	0.9	115	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	25.6	-4.6	-15.9
Day peak (MW)	2383.6	-224.0	621.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	82.3	-154.8	82.0	-10.7	1.2	0.0
Actual(MU)	69.2	-161.3	96.2	-3.7	2.7	3.1
O/D/U/D(MU)	-13.0	-6.5	14.2	7.0	1.5	3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2628	15198	7352	2260	368	27806
State Sector	6055	12936	7210	6265	50	32516
Total	8683	28134	14562	8525	418	60322

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	673	1216	569	350	5	2813
Hydro	246	38	109	106	22	521
Nuclear	23	27	29	0	0	79
Gas, Naptha & Diesel	45	92	25	0	22	183
RES (Wind, Solar, Biomass & Others)	52	37	127	1	0	217
Total	1039	1411	858	457	49	3814

Share of RES in total generation (%)	4.97	2.63	14.81	0.23	0.09	5.69
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.92	7.28	30.83	23.42	45.85	21.44

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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 : 2-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	475	0	8.8	0.0	8.8	
2		SASARAM-FATEHPUR	S/C	510	0	10.3	0.0	10.3	
3		GAYA-BALIA	S/C	47	127	0.0	0.8	-0.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	700	0.0	10.7	-10.7	
5		PUSAULI B/B	S/C	0	399	0.0	9.7	-9.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	343	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	112	0.0	1.8	-1.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	281	355	0.3	0.0	0.3	
9		PATNA-BALIA	Q/C	108	279	0.0	0.8	-0.8	
10		BIHARSHARIFF-BALIA	D/C	164	84	1.3	0.0	1.3	
11		MOTIHARI-GORAKHPUR	D/C	203	0	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	457	0	6.6	0.0	6.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	195	0.0	3.8	-3.8	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.0	0.0	0.0	
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>27.3</b>	<b>27.5</b>	<b>-0.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1529	0	0.0	0.0	0.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	967	32	13.3	0.0	13.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1117	0	0.0	0.0	0.0	
21		RANCHI-SIPAT	D/C	530	0	7.8	0.0	7.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	283	0	5.2	0.0	5.2	
<b>ER-WR</b>						<b>26.3</b>	<b>0.0</b>	<b>26.3</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1700.0	0.0	28.8	-28.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	361.0	0.0	8.6	-8.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1614.0	0.0	36.5	-36.5	
27	400 kV	TALCHER-I/C	D/C	0.0	1070.0	0.0	18.7	-18.7	
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>73.8</b>	<b>-73.8</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	1084	476	0.0	10.2	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	0	470	0.0	5.6	-6	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	147	0.0	2.1	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>17.8</b>	<b>-17.8</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	17.1	-17.1	
<b>NER-NR</b>						<b>0.0</b>	<b>17.1</b>	<b>-17.1</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1003	0.0	19.6	-19.6	
34		V'CHAL B/B	D/C	241	0	0.0	6.0	-6.0	
35		APL -MHG	D/C	0	1267	0.0	31.5	-31.5	
36		GWALIOR-AGRA	D/C	119	713	0.0	11.2	-11.2	
37	765 kV	PHAGI-GWALIOR	D/C	108	608	0.0	5.9	-5.9	
38		JABALPUR-ORAI	D/C	325	74	3.0	0.0	3.0	
39		GWALIOR-ORAI	S/C	305	0	5.5	0.0	5.5	
40		SATNA-ORAI	S/C	0	1305	0.0	28.5	-28.5	
41		400 kV	ZERDA-KANKROLI	S/C	498	0	8.7	0.0	8.7
42			ZERDA -BHINMAL	S/C	359	0	5.7	0.0	5.7
43	V'CHAL -RIHAND		S/C	483	0	11.2	0.0	11.2	
44	RAPP-SHUJALPUR		D/C	441	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	107	0	2.5	0.0	2.5	
46		BADOD-MORAK	S/C	101	0	1.2	0.0	1.2	
47		MEHGAON-AURAIYA	S/C	133	0	2.4	0.0	2.4	
48	132kV	MALANPUR-AURAIYA	S/C	95	0	1.6	0.0	1.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>44.9</b>	<b>102.7</b>	<b>-57.8</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.6	-23.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	538	798	2.9	0.0	2.9	
53		WARDHA-NIZAMABAD	D/C	0	1955	0.0	34.7	-34.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	982	0	17.6	0.0	17.6	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	1	48	0.0	0.0	0.0	
<b>WR-SR</b>						<b>20.5</b>	<b>58.3</b>	<b>-37.8</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>25.6</b>	
59		NEPAL						<b>-4.6</b>	
60		BANGLADESH						<b>-15.9</b>	