



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: 15<sup>th</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 14.10.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-अक्टूबर-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 14<sup>th</sup> October 2018, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

15-Oct-18

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42601	51314	40736	20068	2360	157079
Peak Shortage (MW)	1027	0	0	550	100	1677
Energy Met (MU)	939	1264	971	399	41	3614
Hydro Gen (MU)	180	22	117	78	19	416
Wind Gen (MU)	10	40	20	-----	-----	69
Solar Gen (MU)*	22.77	19.25	52.46	1.22	0.03	96
Energy Shortage (MU)	9.3	0.0	0.0	1.7	0.1	11.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44545 18:48	56122 11:02	42577 11:37	20211 19:07	2402 17:53	159949 18:48

**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	0.038	0.00	0.31	9.58	9.90	83.92	6.18

**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	6062	0	135.4	47.5	-0.4	117	0.0
	Haryana	5930	0	129.1	93.5	-0.4	127	0.0
	Rajasthan	10492	0	214.4	43.6	3.0	310	0.0
	Delhi	3450	0	70.7	46.9	-0.9	114	0.0
	UP	15315	590	289.9	115.4	-0.2	192	0.0
	Uttarakhand	1637	0	32.9	10.9	-0.1	152	0.0
	HP	1302	0	25.1	9.9	0.4	113	0.1
	J&K	1872	468	38.1	37.1	-7.8	-85	9.3
WR	Chhattisgarh	161	0	3.0	3.3	-0.3	10	0.0
	Chhattisgarh	4367	0	101.3	27.2	0.3	102	0.0
	Gujarat	16593	0	374.8	135.8	8.5	998	0.0
	MP	11002	0	240.1	131.5	-1.3	392	0.0
	Maharashtra	23181	0	504.5	203.9	-3.2	431	0.0
	Goa	470	0	11.1	9.3	1.4	24	0.0
	DD	318	0	7.1	6.5	0.6	63	0.0
	DNH	753	0	17.4	16.8	0.6	162	0.0
SR	Essar steel	425	0	7.5	7.4	0.1	318	0.0
	Andhra Pradesh	9453	0	191.2	77.4	7.2	498	0.0
	Telangana	10273	0	214.8	85.9	5.7	496	0.0
	Karnataka	10015	0	205.5	45.0	2.3	475	0.0
	Kerala	3133	0	63.6	37.6	0.7	169	0.0
	Tamil Nadu	12635	0	289.0	129.9	1.8	490	0.0
	Pondy	318	0	7.1	7.3	-0.2	17	0.0
	Bihar	4738	0	87.2	82.6	1.6	200	0.0
ER	DVC	2967	200	63.2	-25.9	2.2	300	0.6
	Jharkhand	1061	0	23.5	13.7	-0.7	0	0.0
	Odisha	4670	350	93.7	37.0	1.8	500	1.1
	West Bengal	7016	0	130.3	12.5	-1.9	250	0.0
	Sikkim	80	0	1.0	1.1	-0.2	30	0.0
NER	Arunachal Pradesh	85	2	2.2	2.5	-0.2	-	0.0
	Assam	1567	90	24.1	18.9	0.1	109	0.0
	Manipur	158	3	2.1	2.6	-0.5	28	0.0
	Meghalaya	273	0	5.0	1.6	-0.6	48	0.0
	Mizoram	80	3	1.6	1.0	0.3	6	0.0
	Nagaland	104	2	2.0	1.8	-0.2	4	0.0
	Tripura	239	1	4.1	3.1	-0.4	22	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.7	-2.8	-19.3
Day peak (MW)	616.0	-130.0	-899.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	133.2	-114.6	71.6	-84.2	-3.3	2.7
Actual(MU)	121.7	-121.6	88.6	-85.0	-7.6	-3.9
O/D/U/D(MU)	-11.5	-7.0	17.0	-0.9	-4.3	-6.6

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	4180	13023	6972	1010	271	25456
State Sector	9795	12663	5920	5085	50	33513
Total	13975	25686	12892	6095	321	58969

**G. Sourcewise generation (MU)**

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	552	1256	594	418	0	2820
Hydro	180	24	117	78	0	399
Nuclear	26	26	34	0	0	86
Gas, Naptha & Diesel	36	43	24	0	4	107
RES (Wind, Solar, Biomass & Others)	51	44	119	1	19	234
Total	845	1394	887	497	23	3646

Share of RES in total generation (%)	5.99	3.19	13.36	0.25	82.15	6.42
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.43	6.78	30.34	15.92	82.15	19.72

**H. Diversity Factor**

All India Demand Diversity Factor	1.037
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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 : **15-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	95	410	0.0	5.3	-5.3
2		SASARAM-FATEHPUR	S/C	278	74	2.4	0.0	2.4
3		GAYA-BALIA	S/C	0	249	0.0	4.1	-4.1
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	9.8	-9.8
5		PUSAULI B/B	S/C	2	399	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	S/C	0	302	0.0	6.2	-6.2
7		PUSAULI -ALLAHABAD	S/C	9	176	0.0	3.3	-3.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	595	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	814	0.0	14.5	-14.5
10		BIHARSHARIFF-BALIA	D/C	0	238	0.0	4.1	-4.1
11		MOTIHARI-GORAKHPUR	D/C	0	362	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	191	149	0.0	0.7	-0.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	159	0.0	3.3	-3.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	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>3.1</b>	<b>75.7</b>	<b>-72.6</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	929	0.0	15.0	-15.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	148	725	0.0	8.3	-8.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	82	530	0.0	6.3	-6.3
21		RANCHI-SIPAT	D/C	166	235	0.0	1.2	-1.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	137	36	0.9	0.0	0.9
<b>ER-WR</b>						<b>0.9</b>	<b>30.7</b>	<b>-29.9</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	0.0	0.0
25	HVDC LINK	JEYPURE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	15.4	-15.4
26		TALCHER-KOLAR BIPOLE	D/C	0.0	390.0	0.0	0.0	0.0
27	400 kV	TALCHER-I/C	D/C	235.0	0.0	32.9	0.0	32.9
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>15.4</b>	<b>-15.4</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	466	0.0	5.9	-6
30		ALIPURDUAR-BONGAIGAON	D/C	84	280	0.0	1.4	-1
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	102	0.0	1.0	-1
<b>ER-NER</b>						<b>0.0</b>	<b>8.3</b>	<b>-8.3</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	703	0	0.0	17.0	-17.0
<b>NER-NR</b>						<b>0.0</b>	<b>17.0</b>	<b>-17.0</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	702	0.0	16.0	-16.0
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	596	0.0	14.6	-14.6
36	765 kV	GWALIOR-AGRA	D/C	0	533	0.0	13.9	-13.9
37		PHAGI-GWALIOR	D/C	0	1016	0.0	16.2	-16.2
38		JABALPUR-ORAI	D/C	266	85	0.0	3.5	-3.5
39		GWALIOR-ORAI	S/C	427	0	8.5	0.0	8.5
40		SATNA-ORAI	S/C	0	1508	0.0	32.6	-32.6
41	400 kV	ZERDA-KANKROLI	S/C	527	0	9.3	0.0	9.3
42		ZERDA -BHINMAL	S/C	420	0	6.9	0.0	6.9
43		V'CHAL -RIHAND	S/C	487	0	11.1	0.0	11.1
44		RAPP-SHUJALPUR	D/C	503	0	4	0	4
45	220 kV	BADOD-KOTA	S/C	112	0	2.6	0.0	2.6
46		BADOD-MORAK	S/C	110	0	2.1	0.0	2.1
47		MEHGAON-AURAIYA	S/C	128	0	2.3	0.0	2.3
48		MALANPUR-AURAIYA	S/C	85	0	1.6	0.0	1.6
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>54.1</b>	<b>96.8</b>	<b>-42.7</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC LINK	BHADRAWATI B/B	-	0	999	0.0	23.8	-23.8
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2542	0.0	37.7	-37.7
53		WARDHA-NIZAMABAD	D/C	0	2938	0.0	56.2	-56.2
54	400 kV	KOLHAPUR-KUDGI	D/C	638	0	10.3	0.0	10.3
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	0	68	1.2	0.0	1.2
<b>WR-SR</b>						<b>11.5</b>	<b>117.7</b>	<b>-106.3</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>12.7</b>
59		NEPAL						<b>-2.8</b>
60		BANGLADESH						<b>-19.3</b>