



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: 26<sup>th</sup> Oct 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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 25.10.2019.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-अक्टूबर-2019 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 25<sup>th</sup> Oct 2019, 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

26-Oct-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	45112	43637	35635	18174	2218	144776
Peak Shortage (MW)	515	0	0	0	159	674
Energy Met (MU)	950	963	781	330	40	3064
Hydro Gen (MU)	150	47	145	85	12	439
Wind Gen (MU)	6	81	52	-----	-----	139
Solar Gen (MU)*	25.79	17.3	56.17	0.65	0.02	100
Energy Shortage (MU)	10.3	0.0	0.0	0.0	3.3	13.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46394 18:39	44845 18:36	37436 18:47	17822 18:36	2344 17:47	148435 18:37

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	0.035	0.00	0.24	4.54	4.78	71.61	23.61

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	5807	0	122.0	63.0	-1.2	90	0.0
	Haryana	6576	0	134.7	115.1	0.1	146	0.0
	Rajasthan	10330	0	204.3	63.1	-1.6	387	0.0
	Delhi	3810	0	76.0	60.0	0.1	175	0.0
	UP	14890	0	302.9	129.9	3.6	1686	0.0
	Uttarakhand	1753	0	36.0	20.9	0.3	152	0.0
	HP	1456	0	27.6	16.2	0.5	137	0.0
	J&K	2211	553	43.2	36.8	-1.1	230	10.3
WR	Chandigarh	203	0	3.7	3.5	0.2	39	0.0
	Chhattisgarh	3439	0	73.9	20.9	-0.2	230	0.0
	Gujarat	14296	0	312.7	77.1	0.5	635	0.0
	MP	8209	0	171.3	107.6	-2.7	341	0.0
	Maharashtra	17243	0	363.2	123.7	-4.1	735	0.0
	Goa	541	0	10.5	8.8	1.1	79	0.0
	DD	321	0	7.3	6.8	0.5	45	0.0
	DNH	774	0	18.2	18.4	-0.2	29	0.0
SR	Essar steel	322	0	5.8	5.7	0.1	297	0.0
	Andhra Pradesh	7128	0	151.4	56.4	1.0	352	0.0
	Telangana	7197	0	149.4	48.0	-1.4	496	0.0
	Karnataka	7497	0	141.8	19.2	-3.5	498	0.0
	Kerala	3358	0	64.9	46.6	1.2	196	0.0
	Tamil Nadu	12450	0	266.0	147.4	-1.2	492	0.0
	Pondy	376	0	7.7	8.0	-0.3	40	0.0
	ER	Bihar	4051	0	70.3	68.7	-0.6	349
DVC		2781	0	57.3	-22.5	-0.1	473	0.0
Jharkhand		998	0	19.9	11.2	-1.8	83	0.0
Odisha		3660	0	70.5	8.2	-0.6	363	0.0
West Bengal		6642	0	110.6	35.9	2.0	318	0.0
Sikkim		100	0	1.2	1.5	-0.3	22	0.0
NER	Arunachal Pradesh	112	9	2.1	1.9	0.0	21	0.0
	Assam	1342	91	22.3	16.9	-0.2	144	3.3
	Manipur	149	11	2.5	2.4	0.1	18	0.0
	Meghalaya	329	15	5.7	2.7	-0.2	186	0.0
	Mizoram	88	4	1.7	0.9	0.1	55	0.0
	Nagaland	110	6	2.1	1.9	-0.1	13	0.0
	Tripura	242	18	3.9	2.7	-0.6	18	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	20.7	-1.3	-20.1
Day peak (MW)	916.2	-356.0	-1072.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	247.7	-230.3	60.0	-79.5	1.9	-0.2
Actual(MU)	253.5	-233.5	56.4	-75.9	1.2	1.7
O/D/U/D(MU)	5.8	-3.2	-3.6	3.6	-0.8	1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2587	15816	7552	2380	660	28995
State Sector	10226	20870	12443	6690	11	50240
Total	12813	36686	19995	9070	672	79235

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	457	980	323	345	10	2116
Lignite	16	11	51	0	0	78
Hydro	150	47	145	85	12	439
Nuclear	25	29	60	0	0	114
Gas, Naptha & Diesel	25	40	15	0	22	103
RES (Wind, Solar, Biomass & Others)	41	105	138	1	0	285
Total	714	1213	733	430	44	3135

Share of RES in total generation (%)	5.77	8.68	18.86	0.16	0.05	9.10
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.27	14.94	46.89	19.82	26.53	26.74

H. Diversity Factor

All India Demand Diversity Factor	1.003
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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 : 26-Oct-19

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	633	0.0	9.1	-9.1
2		SASARAM-FATEHPUR	S/C	19	292	0.0	2.3	-2.3
3		GAYA-BALIA	S/C	0	416	0.0	7.9	-7.9
4	HVDC	ALIPURDUAR-AGRA	-	0	400	0.0	9.9	-9.9
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9
6	400 kV	PUSAULI-VARANASI	S/C	0	162	0.0	3.2	-3.2
7		PUSAULI -ALLAHABAD	S/C	0	102	0.0	1.5	-1.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	808	0.0	9.7	-9.7
9		PATNA-BALIA	Q/C	0	1019	0.0	16.8	-16.8
10		BIHARSHARIFF-BALIA	D/C	0	355	0.0	5.0	-5.0
11		MOTIHARI-GORAKHPUR	D/C	0	8	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	62	231	0.0	0.5	-0.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	120	0.0	2.3	-2.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3
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>0.3</b>	<b>73.0</b>	<b>-72.7</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1500	0	25.7	0.0	25.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	850	0	13.1	0.0	13.1
20		JHARSUGUDA-DURG	D/C	249	0	2.8	0.0	2.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	248	26	2.9	0.0	2.9
22		RANCHI-SIPAT	D/C	339	0	4.7	0.0	4.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	12	57	0.0	0.6	-0.6
24		BUDHIPADAR-KORBA	D/C	122	0	2.0	0.0	2.0
<b>ER-WR</b>						<b>51.2</b>	<b>0.6</b>	<b>50.6</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1600.0	0.0	21.3	-21.3
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	432.0	0.0	9.9	-9.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	40.4	-40.4
28	400 kV	TALCHER-I/C	D/C	5.0	984.0	0.0	13.9	-13.9
29	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>71.7</b>	<b>-71.7</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	413	0.0	5.9	-6
31		ALIPURDUAR-BONGAIGAON	D/C	0	361	0.0	5.2	-5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	88	0.0	1.4	-1
<b>ER-NER</b>						<b>0.0</b>	<b>12.5</b>	<b>-12.5</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.1	-12.1
<b>NER-NR</b>						<b>0.0</b>	<b>12.1</b>	<b>-12.1</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	750	0.0	14.7	-14.7
35		V'CHAL B/B	D/C	384	2	10.3	0.0	10.3
36		APL -MHG	D/C	0	1460	0.0	35.0	-35.0
37	765 kV	GWALIOR-AGRA	D/C	0	2508	0.0	47.3	-47.3
38		PHAGI-GWALIOR	D/C	0	1333	0.0	26.0	-26.0
39		JABALPUR-ORAI	D/C	0	906	0.0	35.0	-35.0
40		GWALIOR-ORAI	S/C	446	0	8.3	0.0	8.3
41		SATNA-ORAI	S/C	0	1401	0.0	29.8	-29.8
42		CHITTORGARH-BANASKANTHA	D/C	0	774	0.0	7.4	-7.4
43		ZERDA-KANKROLI	S/C	50	89	0.1	0.8	-0.6
44	400 kV	ZERDA -BHINMAL	S/C	0	270	0.0	3.8	-3.8
45		V'CHAL -RIHAND	S/C	952	0	15.6	0.0	15.6
46		RAPP-SHUJALPUR	D/C	0	233	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	16	47	0.0	0.5	-0.5
48		BHANPURA-MORAK	S/C	1	94	0.0	1.1	-1.1
49		MEHGAON-AURAIYA	S/C	54	25	0.2	0.1	0.2
50		MALANPUR-AURAIYA	S/C	20	50	0.0	0.5	-0.5
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>34.5</b>	<b>203.4</b>	<b>-168.9</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	97	518	0.7	5.1	-4.4
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	844	887	4.6	4.5	0.1
55		WARDHA-NIZAMABAD	D/C	0	1794	0.0	23.9	-23.9
56	400 kV	KOLHAPUR-KUDGI	D/C	966	0	16.0	0.0	16.0
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	51	0.0	0.8	-0.8
59		XELDEM-AMBEWADI	S/C	1	30	0.4	0.0	0.4
<b>WR-SR</b>						<b>21.6</b>	<b>34.2</b>	<b>-12.6</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>20.7</b>
61		NEPAL						<b>-1.3</b>
62		BANGLADESH						<b>-20.1</b>