



**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: 08<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., डोंगतेह, 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 07.10.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-अक्टूबर-2019 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 07<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

8-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)	46693	44562	35653	18297	2416	147621
Peak Shortage (MW)	471	0	0	0	43	514
Energy Met (MU)	989	1005	813	382	43	3231
Hydro Gen (MU)	197	100	100	110	21	528
Wind Gen (MU)	8	9	20	-----	-----	37
Solar Gen (MU)*	32.26	21.7	58.89	2.06	0.03	115
Energy Shortage (MU)	9.2	0.0	0.0	0.0	2.0	11.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47941 19:00	45219 18:59	35859 11:56	18373 19:12	2493 17:51	148984 19:07

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	0.026	0.00	0.00	0.07	0.07	68.68	31.25

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	6976	0	148.4	72.6	-0.9	124	0.0
	Haryana	7087	0	147.8	106.0	0.2	196	0.0
	Rajasthan	8301	0	182.5	50.6	-0.6	304	0.0
	Delhi	3943	0	82.5	68.6	-2.0	39	0.0
	UP	16653	0	322.2	134.2	0.1	551	0.0
	Uttarakhand	1739	0	36.3	13.9	0.9	149	0.0
	HP	1394	0	26.7	10.1	0.5	104	0.0
	J&K	1914	478	38.8	29.9	0.0	165	9.2
WR	Chhattisgarh	211	0	4.1	4.2	-0.1	14	0.0
	Gujarat	13531	0	299.3	61.1	6.1	762	0.0
	MP	7916	0	172.0	90.1	-3.4	383	0.0
	Maharashtra	18407	0	408.9	160.6	0.5	373	0.0
	Goa	541	0	12.0	11.7	-0.3	93	0.0
	DD	322	0	7.0	6.8	0.2	27	0.0
	DNH	718	0	16.7	16.8	-0.1	61	0.0
	Essar steel	348	0	6.1	5.6	0.5	316	0.0
SR	Andhra Pradesh	7401	0	158.5	84.3	-0.1	368	0.0
	Telangana	8170	0	176.0	71.0	-1.9	319	0.0
	Karnataka	6662	0	136.3	38.2	1.4	741	0.0
	Kerala	3270	0	66.3	46.5	1.8	195	0.0
	Tamil Nadu	12010	0	268.8	117.9	1.1	522	0.0
	Pondy	316	0	6.8	7.2	-0.5	23	0.0
ER	Bihar	4930	0	94.4	93.3	-2.7	200	0.0
	DVC	2609	0	56.1	-12.0	1.3	210	0.0
	Jharkhand	1045	0	23.2	14.3	-1.1	50	0.0
	Odisha	3844	0	79.7	14.9	8.0	350	0.0
	West Bengal	6509	0	128.2	33.8	0.5	400	0.0
	Sikkim	40	0	0.5	1.2	-0.7	0	0.0
NER	Arunachal Pradesh	115	1	2.3	2.0	0.0	51	0.0
	Assam	1451	24	25.1	18.9	0.2	148	2.0
	Manipur	160	2	2.5	2.0	0.4	32	0.0
	Meghalaya	291	0	5.1	-0.4	0.0	83	0.0
	Mizoram	94	1	1.7	1.2	-0.7	23	0.0
	Nagaland	151	3	2.3	1.9	0.1	47	0.0
	Tripura	257	3	3.8	3.3	0.5	96	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	31.2	0.6	-25.0
Day peak (MW)	1305.1	-27.8	-1052.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	203.2	-202.7	79.6	-72.4	-7.9	-0.1
Actual(MU)	185.8	-208.0	96.0	-76.0	-7.8	-9.9
O/D/U/D(MU)	-17.4	-5.3	16.4	-3.7	0.2	-9.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4474	15428	8512	1570	660	30644
State Sector	8261	20050	9320	5850	11	43492
Total	12735	35478	17832	7420	672	74136

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	495	964	387	370	11	2228
Lignite	14	10	46	0	0	69
Hydro	197	100	100	110	21	528
Nuclear	27	29	60	0	0	116
Gas, Naptha & Diesel	28	64	15	0	25	132
RES (Wind, Solar, Biomass & Others)	51	35	113	2	0	202
Total	812	1202	722	482	57	3274

Share of RES in total generation (%)	6.31	2.94	15.63	0.44	0.05	6.15
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.88	13.68	37.85	23.24	36.10	25.81

H. Diversity Factor

All India Demand Diversity Factor	1.006
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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 :	8-Oct-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	93	368	0.0	2.9	-2.9	
2		SASARAM-FATEHPUR	S/C	111	246	0.0	1.1	-1.1	
3		GAYA-BALIA	S/C	0	245	0.0	4.6	-4.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	700	0.0	16.9	-16.9	
5		PUSAULI B/B	S/C	0	196	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	190	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	0.9	-0.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1025	0.0	13.5	-13.5	
9		PATNA-BALIA	Q/C	0	823	0.0	13.6	-13.6	
10		BIHARSHARIFF-BALIA	D/C	0	304	0.0	3.9	-3.9	
11		MOTIHARI-GORAKHPUR	D/C	0	10	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	138	203	0.2	0.0	0.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	150	0.0	2.8	-2.8	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4	
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>0.6</b>	<b>68.6</b>	<b>-68.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1448	0	25.4	0.0	25.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	582	184	5.2	0.0	5.2	
20		JHARSUGUDA-DURG	D/C	187	51	1.3	0.0	1.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	191	199	0.3	0.0	0.3	
22		RANCHI-SIPAT	D/C	203	97	2.1	0.0	2.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	15	76	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	31	0	0.9	0.0	0.9	
<b>ER-WR</b>						<b>35.2</b>	<b>0.9</b>	<b>34.3</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1882.0	0.0	34.8	-34.8	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	15.3	-15.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	988.0	0.0	21.8	-21.8	
28	400 kV	TALCHER-I/C	D/C	993.0	11.0	9.5	0.0	9.5	
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>71.9</b>	<b>-71.9</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	22	576	0.0	4.5	-4	
31		ALIPURDUAR-BONGAIGAON	D/C	246	373	0.8	0.0	1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	7	123	0.0	1.0	-1	
<b>ER-NER</b>						<b>0.8</b>	<b>5.4</b>	<b>-4.7</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	14.3	-14.3	
<b>NER-NR</b>						<b>0.0</b>	<b>14.3</b>	<b>-14.3</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	716	0.0	16.7	-16.7	
35		V'CHAL B/B	D/C	450	0	12.0	0.0	12.0	
36		APL -MHG	D/C	0	1365	0.0	23.5	-23.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2120	0.0	36.2	-36.2	
38		PHAGI-GWALIOR	D/C	0	1005	0.0	18.2	-18.2	
39		JABALPUR-ORAI	D/C	0	643	0.0	22.7	-22.7	
40		GWALIOR-ORAI	S/C	362	0	5.6	0.0	5.6	
41		SATNA-ORAI	S/C	0	1321	0.0	28.2	-28.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	666	0.0	10.1	-10.1	
43		ZERDA-KANKROLI	S/C	33	86	0.1	0.6	-0.5	
44	400 kV	ZERDA -BHINMAL	S/C	29	162	0.0	1.7	-1.6	
45		V'CHAL -RIHAND	S/C	967	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	4	145	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	0	56	0.0	0.8	-0.8	
48		BHANPURA-MORAK	S/C	0	99	0.0	1.4	-1.4	
49		MEHGAON-AURAIYA	S/C	91	0	1.1	0.0	1.1	
50	132kV	MALANPUR-AURAIYA	S/C	50	17	0.3	0.0	0.3	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>41.7</b>	<b>162.3</b>	<b>-120.6</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	1009	0.0	4.9	-4.9	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	403	1399	0.9	14.9	-14.0	
55		WARDHA-NIZAMABAD	D/C	0	2107	0.0	34.1	-34.1	
56	400 kV	KOLHAPUR-KUDGI	D/C	650	0	8.1	0.0	8.1	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	58	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	34	0.8	0.0	0.8	
<b>WR-SR</b>						<b>9.7</b>	<b>55.2</b>	<b>-45.5</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>31.2</b>	
61		NEPAL						<b>0.6</b>	
62		BANGLADESH						<b>-25.0</b>	