



**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: 22<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 21.10.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-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 21<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

22-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)	44599	44996	36707	20444	2553	149299
Peak Shortage (MW)	488	0	0	0	189	677
Energy Met (MU)	924	996	766	412	45	3143
Hydro Gen (MU)	157	58	137	93	11	457
Wind Gen (MU)	8	39	20	-----	-----	68
Solar Gen (MU)*	29.67	16.3	49.37	1.92	0.03	97
Energy Shortage (MU)	14.6	0.0	0.0	0.0	1.5	16.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45350 18:55	45771 18:44	36764 18:35	21192 18:44	2584 17:56	151068 18:56

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	0.032	0.00	0.00	5.66	5.66	74.22	20.12

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	5804	0	113.4	59.5	-1.1	41	0.0
	Haryana	6061	0	125.5	91.5	-0.4	252	0.0
	Rajasthan	9892	0	203.1	67.2	0.6	285	0.0
	Delhi	3889	0	78.4	62.7	-1.3	101	0.0
	UP	15350	0	296.7	128.1	4.1	1614	4.0
	Uttarakhand	1725	0	35.1	19.0	0.8	225	0.0
	HP	1483	0	26.6	14.6	0.3	228	0.6
	J&K	2082	521	41.8	33.9	-1.0	195	9.9
	Chandigarh	201	0	3.7	3.6	0.1	26	0.0
WR	Chhattisgarh	3511	0	74.1	23.6	-0.7	212	0.0
	Gujarat	16037	0	351.2	88.1	2.7	467	0.0
	MP	7926	0	171.0	115.3	-2.1	209	0.0
	Maharashtra	16909	0	357.7	109.3	-3.8	764	0.0
	Goa	541	0	10.8	11.0	-0.8	51	0.0
	DD	337	0	7.4	6.9	0.5	39	0.0
	DNH	793	0	18.2	18.2	0.0	64	0.0
	Essar steel	333	0	6.0	5.7	0.3	266	0.0
	SR	Andhra Pradesh	7205	0	152.5	59.7	-0.2	441
Telangana		6882	0	143.2	43.5	-0.7	587	0.0
Karnataka		7487	0	146.0	34.3	-0.7	582	0.0
Kerala		3229	0	63.3	46.4	0.9	181	0.0
Tamil Nadu		12575	0	253.7	138.5	-4.2	730	0.0
Pondy		350	0	7.0	7.6	-0.6	59	0.0
ER	Bihar	4757	0	84.4	84.0	-1.9	230	0.0
	DVC	3018	0	62.4	-20.0	0.1	252	0.0
	Jharkhand	1184	0	22.4	18.4	-1.5	30	0.0
	Odisha	4475	0	83.8	12.6	7.6	541	0.0
	West Bengal	8307	0	158.2	55.3	1.0	350	0.0
	Sikkim	100	0	0.9	1.5	-0.6	20	0.0
NER	Arunachal Pradesh	116	2	2.0	1.8	-0.1	22	0.0
	Assam	1527	154	26.2	22.3	-0.8	88	1.4
	Manipur	154	3	2.4	2.3	0.1	34	0.0
	Meghalaya	316	0	5.6	2.6	0.1	42	0.0
	Mizoram	89	1	1.7	0.5	0.1	11	0.0
	Nagaland	122	2	2.1	2.1	-0.3	28	0.0
	Tripura	286	0	5.0	3.8	0.2	67	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	25.9	-1.7	-26.4
Day peak (MW)	1145.0	-236.7	-1138.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	212.8	-228.5	57.5	-50.3	10.5	2.1
Actual(MU)	212.3	-248.6	56.0	-31.4	10.9	-0.7
O/D/U/D(MU)	-0.5	-20.1	-1.4	18.9	0.4	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3005	15756	8052	2220	910	29943
State Sector	10006	18215	11413	5850	11	45495
Total	13011	33971	19465	8070	922	75438

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	455	1016	370	375	7	2223
Lignite	17	15	51	0	0	82
Hydro	157	58	137	93	11	457
Nuclear	28	29	47	0	0	103
Gas, Naptha & Diesel	26	68	15	0	22	130
RES (Wind, Solar, Biomass & Others)	46	58	100	2	0	206
Total	729	1244	718	471	40	3202

Share of RES in total generation (%)	6.34	4.65	13.86	0.42	0.08	6.42
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.72	11.67	39.35	20.27	28.69	23.92

H. Diversity Factor

All India Demand Diversity Factor	1.004
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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 :	22-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	0	454	0.0	4.0	-4.0	
2		SASARAM-FATEHPUR	S/C	223	177	2.9	0.0	2.9	
3		GAYA-BALIA	S/C	0	319	0.0	5.8	-5.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	400	0.0	9.8	-9.8	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	190	0.0	3.7	-3.7	
7		PUSAULI -ALLAHABAD	S/C	0	99	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	5	592	0.0	5.0	-5.0	
9		PATNA-BALIA	Q/C	0	848	0.0	13.0	-13.0	
10		BIHARSHARIFF-BALIA	D/C	14	224	0.0	2.0	-2.0	
11		MOTIHARI-GORAKHPUR	D/C	0	10	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	238	119	2.4	0.0	2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.5	-2.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.2	0.0	0.2	
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>5.5</b>	<b>51.6</b>	<b>-46.1</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1736	0	27.4	0.0	27.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1156	0	19.6	0.0	19.6	
20		JHARSUGUDA-DURG	D/C	265	0	3.7	0.0	3.7	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	358	67	3.8	0.0	3.8	
22		RANCHI-SIPAT	D/C	431	0	7.3	0.0	7.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	19	50	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	191	0	3.5	0.0	3.5	
						<b>ER-WR</b>	<b>65.4</b>	<b>0.3</b>	<b>65.2</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1637.0	0.0	20.2	-20.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	538.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1585.0	0.0	32.4	-32.4	
28	400 kV	TALCHER-I/C	D/C	264.0	614.0	0.0	4.3	-4.3	
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>63.6</b>	<b>-63.6</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	471	0.0	7.9	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	0	459	0.0	8.0	-8	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	127	0.0	2.4	-2	
						<b>ER-NER</b>	<b>0.0</b>	<b>18.2</b>	<b>-18.2</b>
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	8.3	-8.3	
						<b>NER-NR</b>	<b>0.0</b>	<b>8.3</b>	<b>-8.3</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1501	0.0	24.1	-24.1	
35		V'CHAL B/B	D/C	449	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1552	0.0	37.6	-37.6	
37	765 kV	GWALIOR-AGRA	D/C	0	2234	0.0	46.9	-46.9	
38		PHAGI-GWALIOR	D/C	0	1224	0.0	21.4	-21.4	
39		JABALPUR-ORAI	D/C	0	789	0.0	32.9	-32.9	
40		GWALIOR-ORAI	S/C	433	0	7.8	0.0	7.8	
41		SATNA-ORAI	S/C	0	1378	0.0	29.5	-29.5	
42		CHITTORGARH-BANASKANTHA	D/C	39	575	0.0	3.6	-3.6	
43		ZERDA-KANKROLI	S/C	66	131	0.5	0.2	0.3	
44	400 kV	ZERDA -BHINMAL	S/C	53	222	0.1	1.9	-1.8	
45		V'CHAL -RIHAND	S/C	978	0	22.4	0.0	22.4	
46	220 kV	RAPP-SHUJALPUR	D/C	0	293	0	2	-2	
47		BHANPURA-RANPUR	S/C	33	52	0.0	0.6	-0.5	
48		BHANPURA-MORAK	S/C	0	92	0.0	1.2	-1.2	
49		MEHGAON-AURAIYA	S/C	43	20	0.1	0.1	0.0	
50	132kV	MALANPUR-AURAIYA	S/C	8	48	0.0	0.7	-0.7	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>43.0</b>	<b>203.0</b>	<b>-160.0</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	195	312	1.3	3.4	-2.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1012	1423	3.2	8.0	-4.8	
55		WARDHA-NIZAMABAD	D/C	0	1908	0.0	23.5	-23.5	
56	400 kV	KOLHAPUR-KUDGI	D/C	754	0	8.9	0.0	8.9	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	65	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	37	0.8	0.0	0.8	
						<b>WR-SR</b>	<b>14.1</b>	<b>36.2</b>	<b>-22.1</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						25.9	
61		NEPAL						-1.7	
62		BANGLADESH						-26.4	