



**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: 13<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 12.10.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12<sup>th</sup> Oct 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

13-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)	48191	47575	38538	20475	2646	157425
Peak Shortage (MW)	490	0	0	0	97	587
Energy Met (MU)	1026	1063	874	406	46	3415
Hydro Gen (MU)	180	75	147	117	15	534
Wind Gen (MU)	3	11	7	-----	-----	21
Solar Gen (MU)*	25.69	23.4	70.65	2.10	-----	122
Energy Shortage (MU)	11.4	0.0	0.0	0.0	0.9	12.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49993 19:10	47834 18:48	39391 18:49	20663 19:22	2726 17:46	159761 18:49

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	0.022	0.00	0.00	0.54	0.54	78.50	20.96

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	7004	0	152.6	67.5	-1.4	75	0.0
	Haryana	7422	0	157.5	123.5	0.6	173	0.0
	Rajasthan	9417	0	202.7	68.6	-0.9	237	0.0
	Delhi	3902	0	82.5	66.2	-0.8	127	0.0
	UP	17191	0	323.1	135.0	1.8	699	1.7
	Uttarakhand	1785	0	35.8	16.2	0.2	114	0.0
	HP	1399	0	27.6	12.6	1.1	115	0.2
	J&K	2125	531	40.0	32.0	-1.0	360	9.5
	Chandigarh	212	0	4.0	3.9	0.1	32	0.0
	WR	Chhattisgarh	3841	0	86.9	37.1	0.8	552
Gujarat		15005	0	333.3	68.2	4.2	506	0.0
MP		8413	0	178.8	120.0	-1.5	303	0.0
Maharashtra		18790	0	420.2	152.6	-2.7	504	0.0
Goa		541	0	12.8	11.8	0.4	62	0.0
DD		339	0	7.7	6.9	0.8	57	0.0
DNH		755	0	17.7	17.8	-0.1	37	0.0
Essar steel		306	0	5.9	5.6	0.3	400	0.0
Andhra Pradesh		7459	0	160.6	73.3	0.9	354	0.0
Telangana		7360	0	160.2	34.5	0.0	574	0.0
SR	Karnataka	7713	0	155.1	38.8	-0.6	516	0.0
	Kerala	3327	0	68.6	46.3	2.1	247	0.0
	Tamil Nadu	14204	0	320.9	163.6	0.2	802	0.0
	Pondy	388	0	8.3	8.5	-0.2	45	0.0
	Bihar	4959	0	93.6	89.9	0.0	150	0.0
	DVC	2950	0	62.2	-4.9	1.4	220	0.0
ER	Jharkhand	1255	0	22.2	15.7	-0.6	70	0.0
	Odisha	4433	0	86.2	10.9	7.9	550	0.0
	West Bengal	7608	0	141.4	43.4	0.3	260	0.0
	Sikkim	55	0	0.7	1.4	-0.7	0	0.0
	Arunachal Pradesh	135	1	2.4	1.9	0.2	91	0.0
NER	Assam	1686	93	28.5	22.2	-0.5	174	0.9
	Manipur	182	2	2.2	2.3	-0.1	42	0.0
	Meghalaya	335	0	5.7	1.3	0.2	58	0.0
	Mizoram	96	1	1.7	0.4	0.9	19	0.0
	Nagaland	126	1	1.9	1.9	-0.3	47	0.0
	Tripura	258	0	4.4	2.7	0.1	111	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	34.6	-0.1	-23.1
Day peak (MW)	1411.9	-87.5	-1094.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	226.0	-215.5	69.3	-78.6	-1.1	0.2
Actual(MU)	227.5	-220.6	71.2	-82.6	1.3	-3.2
O/D/U/D(MU)	1.5	-5.1	1.8	-4.0	2.5	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2934	16228	7552	1400	660	28774
State Sector	10176	18658	9970	6230	11	45045
Total	13110	34885	17522	7630	672	73819

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	521	1040	425	395	12	2393
Lignite	18	12	47	0	0	78
Hydro	180	75	147	117	15	534
Nuclear	28	29	60	0	0	116
Gas, Naptha & Diesel	29	73	15	0	23	139
RES (Wind, Solar, Biomass & Others)	40	39	113	2	0	194
Total	815	1269	807	514	50	3455

Share of RES in total generation (%)	4.87	3.10	14.00	0.42	0.08	5.63
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.35	11.27	39.65	23.17	30.59	24.45

H. Diversity Factor

All India Demand Diversity Factor	1.005
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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 : 13-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	143	304	0.0	2.5	-2.5	
2		SASARAM-FATEHPUR	S/C	194	105	1.0	0.0	1.0	
3		GAYA-BALIA	S/C	0	311	0.0	5.4	-5.4	
4		ALIPURDUAR-AGRA	-	0	1000	0.0	20.0	-20.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	197	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	74	0.0	0.8	-0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	708	0.0	10.0	-10.0	
9		PATNA-BALIA	Q/C	0	933	0.0	17.6	-17.6	
10		BIHARSHARIFF-BALIA	D/C	0	308	0.0	4.9	-4.9	
11		MOTIHARI-GORAKHPUR	D/C	0	9	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	182	84	1.6	0.0	1.6	
13		PUSAULI-SAHUPURI	S/C	0	163	0.0	3.0	-3.0	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
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>72.9</b>	<b>-69.8</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1434	0	21.5	0.0	21.5	
19		NEW RANCHI-DHARAMAJGARH	D/C	693	35	10.2	0.0	10.2	
20		JHARSUGUDA-DURG	D/C	181	32	2.2	0.0	2.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	135	153	0.6	0.0	0.6	
22		RANCHI-SIPAT	D/C	231	27	3.3	0.0	3.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	74	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	60	0	0.9	0.0	0.9	
<b>ER-WR</b>						<b>38.6</b>	<b>0.9</b>	<b>37.7</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1690.0	0.0	30.7	-30.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	480.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	987.0	0.0	22.8	-22.8	
28	400 kV	TALCHER-I/C	D/C	607.0	0.0	5.6	0.0	5.6	
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>64.6</b>	<b>-64.6</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	620	0.0	9.1	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	0	601	0.0	6.1	-6	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	147	0.0	2.0	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>17.2</b>	<b>-17.2</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	17.2	-17.2	
<b>NER-NR</b>						<b>0.0</b>	<b>17.2</b>	<b>-17.2</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	905	0.0	26.2	-26.2	
35		V'CHAL B/B	D/C	449	0	10.3	0.0	10.3	
36		APL -MHG	D/C	0	685	0.0	30.9	-30.9	
37	765 kV	GWALIOR-AGRA	D/C	0	1958	0.0	38.1	-38.1	
38		PHAGI-GWALIOR	D/C	0	1022	0.0	19.8	-19.8	
39		JABALPUR-ORAI	D/C	0	666	0.0	25.5	-25.5	
40		GWALIOR-ORAI	S/C	404	0	7.7	0.0	7.7	
41		SATNA-ORAI	S/C	0	1336	0.0	29.6	-29.6	
42		CHITTORGARH-BANASKANTHA	D/C	0	516	0.0	7.7	-7.7	
43	400 kV	ZERDA-KANKROLI	S/C	50	70	0.2	0.5	-0.3	
44		ZERDA -BHINMAL	S/C	0	192	0.0	2.6	-2.6	
45		V'CHAL -RIHAND	S/C	970	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	60	205	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	7	58	0.0	0.7	-0.7	
48		BHANPURA-MORAK	S/C	0	109	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	54	8	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	18	33	0.0	0.4	-0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>41.3</b>	<b>185.7</b>	<b>-144.4</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	512	0.0	9.1	-9.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	646	1489	1.0	11.6	-10.6	
55		WARDHA-NIZAMABAD	D/C	0	1761	0.0	24.7	-24.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	625	0	8.2	0.0	8.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	65	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	38	0.7	0.0	0.7	
<b>WR-SR</b>						<b>9.9</b>	<b>46.6</b>	<b>-36.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>34.6</b>	
61		NEPAL						<b>-0.1</b>	
62		BANGLADESH						<b>-23.1</b>	