



**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: 18<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 17.10.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17<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

18-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)	49013	50113	37351	20211	2733	159421
Peak Shortage (MW)	501	0	0	0	96	597
Energy Met (MU)	1034	1140	828	420	50	3473
Hydro Gen (MU)	157	78	147	100	12	494
Wind Gen (MU)	4	21	24	-----	-----	49
Solar Gen (MU)*	23.56	21.9	60.91	2.06	0.04	108
Energy Shortage (MU)	13.3	0.0	0.0	0.0	2.5	15.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50415 18:49	50889 18:43	39151 18:55	21125 18:54	2854 17:52	164041 18:55

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	0.033	0.00	0.34	5.09	5.43	78.92	15.65

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	6482	0	138.5	62.9	-1.4	75	0.0
	Haryana	7277	0	156.1	123.2	-0.9	129	0.0
	Rajasthan	10162	0	215.5	62.2	-2.2	311	0.0
	Delhi	4276	0	87.9	71.7	-0.8	120	0.0
	UP	16971	0	327.3	134.8	1.0	1382	3.4
	Uttarakhand	1716	0	35.6	19.9	0.0	157	0.0
	HP	1439	0	28.1	15.1	0.5	341	0.0
	J&K	2231	558	41.3	33.9	-1.4	243	9.9
	Chandigarh	211	0	4.2	4.1	0.0	26	0.0
WR	Chhattisgarh	4040	0	89.5	38.1	0.7	258	0.0
	Gujarat	16207	0	360.1	63.5	4.4	468	0.0
	MP	8654	0	187.7	118.7	-1.5	326	0.0
	Maharashtra	20774	0	458.8	167.2	-2.5	616	0.0
	Goa	541	0	12.8	12.0	0.2	71	0.0
	DD	337	0	7.6	7.1	0.5	49	0.0
	DNH	793	0	18.6	18.6	0.0	44	0.0
	Essar steel	335	0	5.3	5.5	-0.2	306	0.0
	SR	Andhra Pradesh	7071	0	152.3	56.3	-0.1	496
Telangana		8330	0	173.4	36.1	-1.2	499	0.0
Karnataka		8525	0	161.8	38.1	-1.4	495	0.0
Kerala		3302	0	67.4	47.9	1.2	198	0.0
Tamil Nadu		13263	0	266.3	150.2	-0.1	499	0.0
Pondy		371	0	7.4	7.9	-0.6	31	0.0
ER		Bihar	5033	0	95.0	90.2	0.6	200
	DVC	3056	0	63.8	-22.5	2.9	350	0.0
	Jharkhand	1133	0	24.7	15.4	-0.1	50	0.0
	Odisha	4047	0	81.5	10.4	7.8	550	0.0
	West Bengal	8080	0	154.3	49.9	3.0	700	0.0
	Sikkim	94	0	0.9	1.3	-0.4	5	0.0
NER	Arunachal Pradesh	116	7	2.0	2.0	-0.1	45	0.0
	Assam	1786	64	31.0	25.0	0.7	145	2.4
	Manipur	153	9	2.5	2.3	0.3	30	0.0
	Meghalaya	321	7	5.5	1.7	0.2	56	0.0
	Mizoram	89	4	1.7	0.3	1.0	33	0.0
	Nagaland	117	7	2.2	2.0	0.0	76	0.0
	Tripura	291	14	4.8	3.4	0.8	107	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	25.5	-2.0	-25.5
Day peak (MW)	1316.0	-272.5	-1118.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	244.0	-221.6	54.8	-84.0	6.9	0.1
Actual(MU)	245.0	-220.5	40.3	-72.5	13.0	5.3
O/D/U/D(MU)	1.0	1.1	-14.5	11.5	6.1	5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3490	16105	7652	1670	910	29827
State Sector	8566	17062	9350	5230	11	40219
Total	12056	33167	17002	6900	922	70046

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	536	1109	417	414	7	2484
Lignite	24	15	53	0	0	91
Hydro	157	78	147	100	12	494
Nuclear	28	29	52	0	0	109
Gas, Naptha & Diesel	28	74	14	0	23	139
RES (Wind, Solar, Biomass & Others)	37	48	115	2	0	202
Total	810	1352	797	517	42	3519

Share of RES in total generation (%)	4.52	3.56	14.48	0.41	0.09	5.75
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.44	11.45	39.42	19.78	28.34	22.89

H. Diversity Factor

All India Demand Diversity Factor	1.002
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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 : 18-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	48	374	0.0	5.0	-5.0
2		SASARAM-FATEHPUR	S/C	200	128	0.2	0.0	0.2
3		GAYA-BALIA	S/C	0	352	0.0	7.5	-7.5
4	HVDC	ALIPURDUAR-AGRA	-	0	401	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	187	0.0	3.6	-3.6
7		PUSAULI -ALLAHABAD	S/C	0	95	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	730	0.0	8.8	-8.8
9		PATNA-BALIA	Q/C	0	978	0.0	19.6	-19.6
10		BIHARSHARIFF-BALIA	D/C	0	308	0.0	4.9	-4.9
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	157	109	1.0	0.0	1.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	166	0.0	2.9	-2.9
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>1.6</b>	<b>68.0</b>	<b>-66.5</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1590	0	21.1	0.0	21.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	734	0	10.1	0.0	10.1
20		JHARSUGUDA-DURG	D/C	205	65	1.4	0.0	1.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	179	180	0.0	0.1	-0.1
22		RANCHI-SIPAT	D/C	246	2	3.2	0.0	3.2
23	220 kV	BUDHIPADAR-RAIGARH	S/C	14	61	0.0	0.5	-0.5
24		BUDHIPADAR-KORBA	D/C	131	0	2.3	0.0	2.3
<b>ER-WR</b>						<b>38.0</b>	<b>0.6</b>	<b>37.4</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1246.0	0.0	18.9	-18.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	477.0	0.0	11.0	-11.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1487.0	0.0	26.7	-26.7
28	400 kV	TALCHER-I/C	D/C	128.0	473.0	0.0	1.0	-1.0
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>56.7</b>	<b>-56.7</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	652	0.0	7.9	-8
31		ALIPURDUAR-BONGAIGAON	D/C	0	427	0.0	5.7	-6
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	177	0.0	2.2	-2
<b>ER-NER</b>						<b>0.0</b>	<b>15.8</b>	<b>-15.8</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	402	0.0	9.5	-9.5
<b>NER-NR</b>						<b>0.0</b>	<b>9.5</b>	<b>-9.5</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1875	0.0	26.1	-26.1
35		V'CHAL B/B	D/C	451	0	10.2	0.0	10.2
36		APL -MHG	D/C	0	1461	0.0	36.5	-36.5
37	765 kV	GWALIOR-AGRA	D/C	0	2401	0.0	46.2	-46.2
38		PHAGI-GWALIOR	D/C	0	827	0.0	15.0	-15.0
39		JABALPUR-ORAI	D/C	0	742	0.0	29.2	-29.2
40		GWALIOR-ORAI	S/C	335	0	6.6	0.0	6.6
41		SATNA-ORAI	S/C	0	1390	0.0	30.3	-30.3
42		CHITTORGARH-BANASKANTHA	D/C	0	741	0.0	15.5	-15.5
43		ZERDA-KANKROLI	S/C	0	90	0.0	1.3	-1.3
44	400 kV	ZERDA -BHINMAL	S/C	0	236	0.0	3.5	-3.5
45		V'CHAL -RIHAND	S/C	982	0	22.6	0.0	22.6
46	220 kV	RAPP-SHUJALPUR	D/C	0	253	0	4	-4
47		BHANPURA-RANPUR	S/C	4	59	0.0	0.7	-0.7
48		BHANPURA-MORAK	S/C	0	112	0.0	1.5	-1.5
49		MEHGAON-AURAIYA	S/C	80	21	0.4	0.1	0.3
50	132kV	MALANPUR-AURAIYA	S/C	43	46	0.1	0.5	-0.4
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>39.8</b>	<b>210.0</b>	<b>-170.2</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	512	0.0	5.9	-5.9
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	951	1147	4.5	4.5	0.1
55		WARDHA-NIZAMABAD	D/C	65	1320	0.0	16.9	-16.9
56	400 kV	KOLHAPUR-KUDGI	D/C	864	0	11.4	0.0	11.4
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	38	0.8	0.0	0.8
<b>WR-SR</b>						<b>16.7</b>	<b>28.6</b>	<b>-11.8</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						25.5
61		NEPAL						-2.0
62		BANGLADESH						-25.5