



**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: 16<sup>th</sup> Feb 2020

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 15.02.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-फरवरी-2020 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 15<sup>th</sup> Feb 2020, is available at the NLDC website.

धन्यवाद,

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting 16-Feb-20

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)	46348	50289	43879	18697	2443	161656
Peak Shortage (MW)	578	0	0	0	29	607
Energy Met (MU)	974	1221	1062	356	42	3655
Hydro Gen (MU)	126	48	86	36	3	298
Wind Gen (MU)	1	17	13	-----	-----	31
Solar Gen (MU)*	42.18	27.00	100.66	1.53	0.03	171
Energy Shortage (MU)	12.8	0.0	0.0	0.0	0.6	13.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48387 07:42	57644 10:44	49006 08:26	18728 18:47	2484 18:31	171150 08:27

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	0.034	0.00	0.00	6.38	6.38	76.40	17.22

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	6496	0	132.6	77.5	-1.3	46	0.0
	Haryana	6637	0	136.2	86.9	0.4	297	0.0
	Rajasthan	13869	0	249.3	82.7	-0.3	215	0.0
	Delhi	3782	0	62.6	47.0	-0.3	472	0.0
	UP	15115	160	278.7	117.7	0.0	424	0.7
	Uttarakhand	2018	0	36.7	17.5	-0.7	92	0.0
	HP	1578	0	26.6	19.5	0.1	289	0.0
	J&K(UT) and Ladakh(UT)	2311	578	48.1	46.2	0.1	229	12.1
	Chandigarh	221	0	3.5	3.6	-0.1	13	0.0
WR	Chhattisgarh	3836	0	83.8	35.2	-1.0	249	0.0
	Gujarat	16071	0	347.0	98.5	3.1	655	0.0
	MP	14519	0	269.4	140.1	-3.1	802	0.0
	Maharashtra	23069	0	474.5	154.4	-1.5	724	0.0
	Goa	481	0	9.9	9.8	-0.4	38	0.0
	DD	323	0	7.3	7.0	0.3	30	0.0
	DNH	781	0	18.4	18.4	0.0	28	0.0
	Essar steel	780	0	10.7	10.9	-0.2	241	0.0
	SR	Andhra Pradesh	9260	0	189.7	71.5	0.0	416
Telangana		11698	0	236.2	124.6	0.6	520	0.0
Karnataka		12360	0	242.0	88.3	-0.6	429	0.0
Kerala		3753	0	78.5	59.7	1.6	251	0.0
Tamil Nadu		14637	0	307.8	164.9	1.2	575	0.0
Pondy		363	0	7.6	7.9	-0.3	21	0.0
ER	Bihar	3959	0	74.8	71.4	1.6	200	0.0
	DVC	3154	0	64.3	-40.3	0.0	190	0.0
	Jharkhand	1267	0	23.5	17.6	0.3	190	0.0
	Odisha	3516	0	71.2	-1.3	-0.5	210	0.0
	West Bengal	6826	0	120.6	31.3	0.1	220	0.0
	Sikkim	133	0	2.0	1.7	0.3	50	0.0
NER	Arunachal Pradesh	120	2	2.3	2.1	0.0	25	0.0
	Assam	1387	17	22.8	20.8	0.6	153	0.3
	Manipur	210	3	2.7	3.0	-0.3	25	0.0
	Meghalaya	371	0	6.6	5.5	-0.2	69	0.2
	Mizoram	102	1	1.6	1.7	-0.1	25	0.0
	Nagaland	129	1	2.3	2.0	0.2	26	0.0
Tripura	222	1	3.6	1.5	-0.1	29	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-9.5	-13.1
Day peak (MW)	388.2	-570.7	-895.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	234.1	-261.8	125.7	-104.8	6.6	-0.1
Actual(MU)	219.7	-273.5	143.4	-103.2	8.4	-5.3
O/D/U/D(MU)	-14.4	-11.7	17.6	1.5	1.8	-5.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5181	13488	4792	2700	702	26863
State Sector	12920	14053	7385	5410	11	39779
Total	18101	27540	12177	8110	713	66641

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	502	1304	590	459	14	2869
Lignite	17	14	56	0	0	87
Hydro	126	48	86	36	3	298
Nuclear	24	37	21	0	0	81
Gas, Naptha & Diesel	36	51	15	0	21	124
RES (Wind, Solar, Biomass & Others)	70	53	151	2	0	276
Total	775	1506	920	496	38	3735

Share of RES in total generation (%)	9.04	3.49	16.46	0.32	0.08	7.38
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.37	9.10	28.03	7.52	8.07	17.54

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.083

Diversity factor = Sum of regional or state-wise 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 :	16-Feb-20
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>									
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	378	0.0	9.3	-9.3	
1	765kV	GAYA-VARANASI	D/C	0	832	0.0	9.4	-9.4	
2		SASARAM-FATEHPUR	S/C	163	197	0.0	1.1	-1.1	
3		GAYA-BALIA	S/C	0	393	0.0	3.8	-3.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	299	0.0	6.1	-6.1	
7		PUSAULI -ALLAHABAD	S/C	0	173	0.0	3.0	-3.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	107	229	0.0	1.8	-1.8	
9		PATNA-BALIA	Q/C	0	743	0.0	12.2	-12.2	
10		BIHARSHARIFF-BALIA	D/C	0	363	0.0	4.9	-4.9	
11		MOTIHARI-GORAKHPUR	D/C	0	465	0.0	8.5	-8.5	
12		BIHARSHARIFF-VARANASI	D/C	217	149	0.2	0.0	0.2	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	167	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>0.6</b>	<b>63.0</b>	<b>-62.4</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1439	0	24.4	0.0	24.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	854	0	10.5	0.0	10.5	
20		JHARSUGUDA-DURG	D/C	66	129	0.0	1.1	-1.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	2	398	0.0	4.0	-4.0	
22		RANCHI-SIPAT	D/C	259	0	3.3	0.0	3.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0	
24		BUDHIPADAR-KORBA	D/C	84	0	1.0	0.0	1.0	
						<b>ER-WR</b>	<b>39.2</b>	<b>5.2</b>	<b>34.0</b>
<b>Import/Export of ER (With SR)</b>									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	657.0	0.0	14.4	-14.4	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1977.0	0.0	42.5	-42.5	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2741.0	0.0	51.3	-51.3	
28	400 kV	TALCHER-I/C	D/C	331.0	168.0	2.5	0.0	2.5	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0	0.0	0.0	0.0	
						<b>ER-SR</b>	<b>0.0</b>	<b>108.2</b>	<b>-108.2</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	555	0.0	8.3	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	0	723	0.0	11.2	-11	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	145	0.0	2.1	-2	
						<b>ER-NER</b>	<b>0.0</b>	<b>21.6</b>	<b>-21.6</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	0	0.0	0.0	0.0	
35		V'CHAL B/B	D/C	447	104	0.6	2.2	-1.6	
36	765 kV	APL -MHG	D/C	0	1915	0.0	43.6	-43.6	
37		GWALIOR-AGRA	D/C	0	2518	0.0	43.2	-43.2	
38		PHAGI-GWALIOR	D/C	0	1689	0.0	27.3	-27.3	
39		JABALPUR-ORAI	D/C	0	977	0.0	35.0	-35.0	
40		GWALIOR-ORAI	S/C	742	0	12.3	0.0	12.3	
41		SATNA-ORAI	S/C	0	1385	0.0	27.9	-27.9	
42		CHITTORGARH-BANASKANTHA	D/C	294	770	0.0	4.2	-4.2	
43		ZERDA-KANKROLI	S/C	151	155	0.0	0.0	0.0	
44	400 kV	ZERDA -BHINMAL	S/C	66	488	0.0	4.4	-4.4	
45		V'CHAL -RIHAND	S/C	982	0	22.3	0.0	22.3	
46		RAPP-SHUJALPUR	D/C	45	395	2	0	2	
47	220 kV	BHANPURA-RANPUR	S/C	15	61	0.7	0.3	0.5	
48		BHANPURA-MORAK	S/C	4	74	0.2	0.9	-0.7	
49		MEHGAON-AURAIYA	S/C	128	0	1.7	0.0	1.7	
50	132kV	MALANPUR-AURAIYA	S/C	80	9	0.8	0.0	0.8	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>40.7</b>	<b>189.0</b>	<b>-148.3</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	408	2084	1.1	26.1	-25.1	
55		WARDHA-NIZAMABAD	D/C	0	2780	0.0	44.0	-44.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	791	17	10.2	0.1	10.1	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	57	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	103	1.9	0.0	1.9	
						<b>WR-SR</b>	<b>13.2</b>	<b>95.3</b>	<b>-82.1</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						2.0	
61		NEPAL						-9.5	
62		BANGLADESH						-13.1	