



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: 17th 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 16.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16th 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 17-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)	44094	47805	40248	17798	2323	152268
Peak Shortage (MW)	611	0	0	0	34	645
Energy Met (MU)	961	1191	1026	354	40	3571
Hydro Gen (MU)	129	37	66	30	3	265
Wind Gen (MU)	2	35	45	-----	-----	81
Solar Gen (MU)*	42.69	27.30	102.14	1.54	0.04	174
Energy Shortage (MU)	12.7	0.0	0.0	0.0	0.7	13.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48915 09:45	56013 11:03	46107 09:28	18450 19:00	2439 18:03	168236 09:28

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	0.035	0.00	0.38	2.84	3.22	75.08	21.70

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	6138	0	126.9	82.1	-1.0	44	0.0
	Haryana	6323	0	129.1	82.2	0.5	249	0.0
	Rajasthan	13784	0	245.5	78.4	0.0	476	0.0
	Delhi	3813	0	61.1	45.2	-1.0	290	0.0
	UP	14671	0	286.6	125.3	0.2	575	0.7
	Uttarakhand	1849	0	34.3	15.0	-0.2	158	0.0
	HP	1474	0	25.2	17.6	0.8	298	0.0
	J&K(UT) and Ladakh(UT)	2442	611	48.8	45.5	0.4	229	12.1
	Chandigarh	201	0	3.2	3.2	0.0	48	0.0
WR	Chhattisgarh	3828	0	83.8	39.0	-0.2	255	0.0
	Gujarat	15622	0	335.0	94.1	2.1	497	0.0
	MP	14083	0	265.3	135.3	-3.2	802	0.0
	Maharashtra	22051	0	461.2	148.7	-0.2	635	0.0
	Goa	438	0	9.3	8.9	-0.1	30	0.0
	DD	295	0	6.8	6.3	0.5	42	0.0
	DNH	759	0	18.0	17.9	0.1	34	0.0
	Essar steel	791	0	11.3	11.4	-0.1	242	0.0
	SR	Andhra Pradesh	9496	0	189.7	64.2	0.0	447
Telangana		11783	0	235.6	127.8	1.1	936	0.0
Karnataka		11438	0	225.3	77.1	-1.8	543	0.0
Kerala		3580	0	71.9	60.6	1.3	280	0.0
Tamil Nadu		13019	0	296.6	157.1	0.0	439	0.0
Pondy		322	0	6.8	7.2	-0.4	30	0.0
ER	Bihar	4087	0	77.4	74.1	0.5	400	0.0
	DVC	3176	0	64.2	-39.6	0.5	110	0.0
	Jharkhand	1314	0	23.5	17.8	0.2	40	0.0
	Odisha	3964	0	71.1	-0.8	-0.4	90	0.0
	West Bengal	6251	0	115.9	29.2	-0.9	210	0.0
	Sikkim	123	0	1.7	1.6	0.1	10	0.0
NER	Arunachal Pradesh	121	1	2.2	2.3	-0.2	14	0.0
	Assam	1386	25	21.4	19.7	0.1	145	0.4
	Manipur	210	1	2.8	2.9	-0.2	19	0.0
	Meghalaya	371	0	6.5	5.5	-0.1	41	0.2
	Mizoram	99	1	1.6	1.6	-0.1	16	0.0
	Nagaland	131	1	2.3	2.0	0.1	28	0.1
Tripura	221	1	3.4	1.5	-0.2	25	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.1	-10.3	-13.3
Day peak (MW)	410.8	-583.4	-894.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	225.0	-257.0	126.0	-102.0	7.7	-0.3
Actual(MU)	216.4	-254.8	127.6	-100.6	9.3	-2.1
O/D/U/D(MU)	-8.6	2.2	1.6	1.3	1.7	-1.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5134	13903	4832	1540	677	26086
State Sector	12650	13835	7845	5090	11	39681
Total	17784	27737	12677	6630	688	65766

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	482	1251	549	460	11	2754
Lignite	19	15	48	0	0	82
Hydro	129	37	66	30	3	265
Nuclear	24	36	32	0	0	93
Gas, Naptha & Diesel	36	42	16	0	22	116
RES (Wind, Solar, Biomass & Others)	73	73	183	2	0	330
Total	762	1455	895	493	36	3641

Share of RES in total generation (%)	9.51	5.04	20.44	0.32	0.11	9.07
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.53	10.09	31.42	6.51	8.91	18.91

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.068

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 :	17-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)	
Import/Export of ER (With NR)									
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	380	0.0	9.3	-9.3	
1	765kV	GAYA-VARANASI	D/C	0	930	0.0	10.3	-10.3	
2		SASARAM-FATEHPUR	S/C	110	193	0.0	1.2	-1.2	
3		GAYA-BALIA	S/C	0	387	0.0	3.3	-3.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	298	0.0	6.2	-6.2	
7		PUSAULI -ALLAHABAD	S/C	0	161	0.0	2.9	-2.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	100	286	0.0	2.6	-2.6	
9		PATNA-BALIA	Q/C	0	940	0.0	10.1	-10.1	
10		BIHARSHARIFF-BALIA	D/C	0	552	0.0	6.2	-6.2	
11		MOTIHARI-GORAKHPUR	D/C	0	495	0.0	8.1	-8.1	
12		BIHARSHARIFF-VARANASI	D/C	174	220	0.0	0.2	-0.2	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	158	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	0.4	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	
						ER-NR	0.4	63.4	-63.1
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1365	0	20.6	0.0	20.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	930	0	12.7	0.0	12.7	
20		JHARSUGUDA-DURG	D/C	77	117	0.0	0.9	-0.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	460	0.0	6.1	-6.1	
22		RANCHI-SIPAT	D/C	276	0	3.5	0.0	3.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0	
24		BUDHIPADAR-KORBA	D/C	70	13	0.7	0.0	0.7	
						ER-WR	37.4	7.0	30.3
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	454.0	0.0	11.1	-11.1	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1592.0	0.0	38.4	-38.4	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2782.0	0.0	51.4	-51.4	
28	400 kV	TALCHER-I/C	D/C	340.0	0.0	6.7	0.0	6.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	100.9	-100.9
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	598	0.0	8.3	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	0	788	0.0	11.4	-11	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	155	0.0	2.1	-2	
						ER-NER	0.0	21.7	-21.7
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	0.0	0.0	
35		V'CHAL B/B	D/C	448	155	9.2	0.5	8.8	
36	765 kV	APL -MHG	D/C	0	1918	0.0	36.0	-36.0	
37		GWALIOR-AGRA	D/C	0	2793	0.0	47.7	-47.7	
38		PHAGI-GWALIOR	D/C	0	1667	0.0	26.2	-26.2	
39		JABALPUR-ORAI	D/C	0	1115	0.0	34.7	-34.7	
40		GWALIOR-ORAI	S/C	726	0	11.4	0.0	11.4	
41		SATNA-ORAI	S/C	0	1454	0.0	29.7	-29.7	
42		CHITTORGARH-BANASKANTHA	D/C	33	917	0.0	9.1	-9.1	
43		ZERDA-KANKROLI	S/C	80	179	0.0	0.7	-0.7	
44	400 kV	ZERDA -BHINMAL	S/C	0	489	0.0	4.8	-4.8	
45		V'CHAL -RIHAND	S/C	991	0	22.8	0.0	22.8	
46		RAPP-SHUJALPUR	D/C	24	404	0	4	-4	
47	220 kV	BHANPURA-RANPUR	S/C	7	85	0.4	0.5	-0.1	
48		BHANPURA-MORAK	S/C	30	127	0.1	1.2	-1.1	
49		MEHGAON-AURAIYA	S/C	106	0	1.4	0.0	1.4	
50	132kV	MALANPUR-AURAIYA	S/C	60	9	0.6	0.0	0.6	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	45.9	195.0	-149.1
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.6	-23.6	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	787	2201	0.0	22.1	-22.1	
55		WARDHA-NIZAMABAD	D/C	0	2769	0.0	40.7	-40.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	1030	0	12.3	0.0	12.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	67	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	93	1.7	0.0	1.7	
						WR-SR	14.0	87.6	-73.7
TRANSNATIONAL EXCHANGE									
60		BHUTAN						2.1	
61		NEPAL						-10.3	
62		BANGLADESH						-13.3	