



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: 18th 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 17.02.2020.

महोदय/Dear Sir,

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

18-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)	46808	50724	44155	18168	2422	162277
Peak Shortage (MW)	1094	0	0	0	44	1138
Energy Met (MU)	984	1239	1076	358	42	3699
Hydro Gen (MU)	139	43	77	35	3	296
Wind Gen (MU)	3	52	52	-----	-----	106
Solar Gen (MU)*	42.47	28.60	103.62	1.52	0.03	176
Energy Shortage (MU)	10.4	0.0	0.0	0.0	0.6	11.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49577 07:59	58186 11:09	48913 10:27	18880 18:54	2471 17:54	173763 09:41

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	0.51	3.31	3.82	77.73	18.45

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	6421	0	130.8	87.3	-1.3	70	0.0
	Haryana	6767	0	138.4	88.5	-0.7	178	0.0
	Rajasthan	13812	0	247.1	75.9	-0.6	181	0.0
	Delhi	3718	0	62.6	48.1	-1.9	134	0.0
	UP	15003	0	289.7	130.0	1.2	1143	0.9
	Uttarakhand	1933	0	35.7	16.0	0.2	108	0.0
	HP	1632	0	27.0	18.9	-0.1	396	0.0
	J&K(UT) and Ladakh(UT)	2385	596	49.1	41.8	-1.7	229	9.5
	Chandigarh	228	0	3.5	3.6	-0.1	17	0.0
	Chhattisgarh	3877	0	85.3	37.4	-1.5	254	0.0
WR	Gujarat	16499	0	352.8	85.9	4.5	779	0.0
	MP	14374	0	270.2	132.3	-3.1	802	0.0
	Maharashtra	23657	0	484.7	146.8	-0.8	583	0.0
	Goa	491	0	10.2	9.7	0.0	47	0.0
	DD	303	0	6.8	6.2	0.6	48	0.0
	DNH	793	0	18.3	18.0	0.3	59	0.0
	Essar steel	778	0	10.4	10.8	-0.4	237	0.0
	Andhra Pradesh	9708	0	193.5	69.1	0.7	391	0.0
SR	Telangana	12137	0	247.4	132.8	1.3	655	0.0
	Karnataka	12485	0	240.0	81.8	-0.7	541	0.0
	Kerala	3829	0	77.3	61.0	1.6	214	0.0
	Tamil Nadu	14358	0	311.3	163.2	0.4	444	0.0
	Pondy	368	0	6.9	7.7	-0.8	24	0.0
	Bihar	3987	0	75.3	72.5	-0.5	300	0.0
ER	DVC	3171	0	64.5	-39.6	-0.4	100	0.0
	Jharkhand	1168	0	24.0	19.1	-0.7	80	0.0
	Odisha	3804	0	71.6	-3.0	-0.3	100	0.0
	West Bengal	7114	0	121.0	29.7	-0.9	200	0.0
	Sikkim	132	0	1.8	1.7	0.0	20	0.0
NER	Arunachal Pradesh	116	1	2.5	2.1	0.3	21	0.0
	Assam	1349	25	22.6	20.4	-0.3	162	0.3
	Manipur	202	1	2.7	2.9	-0.2	39	0.0
	Meghalaya	393	0	6.7	5.5	0.1	54	0.2
	Mizoram	93	1	1.8	1.6	0.0	16	0.0
	Nagaland	136	1	2.3	2.0	0.1	41	0.0
Tripura	222	1	3.4	1.6	-0.4	23	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-10.3	-13.3
Day peak (MW)	465.5	-602.0	-893.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.3	-261.6	134.1	-117.3	9.3	-0.1
Actual(MU)	226.2	-261.5	144.8	-116.2	10.7	4.0
O/D/U/D(MU)	-9.1	0.0	10.7	1.1	1.4	4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5634	13453	4622	1270	727	25705
State Sector	12325	13105	7905	4980	11	38326
Total	17959	26557	12527	6250	738	64031

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	486	1267	559	474	11	2798
Lignite	23	17	50	0	0	90
Hydro	139	43	77	35	3	296
Nuclear	24	37	34	0	0	94
Gas, Naptha & Diesel	34	53	16	0	22	126
RES (Wind, Solar, Biomass & Others)	73	93	195	2	0	362
Total	779	1510	931	511	36	3766

Share of RES in total generation (%)	9.34	6.13	20.98	0.31	0.08	9.62
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.21	11.40	32.86	7.20	7.62	19.99

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.079

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 : **18-Feb-20**

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)
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	379	0.0	9.2	-9.2
1	765kV	GAYA-VARANASI	D/C	0	939	0.0	11.9	-11.9
2		SASARAM-FATEHPUR	S/C	123	242	0.0	1.7	-1.7
3		GAYA-BALIA	S/C	0	448	0.0	3.9	-3.9
6	400 kV	PUSAULI-VARANASI	S/C	0	283	0.0	6.0	-6.0
7		PUSAULI -ALLAHABAD	S/C	0	172	0.0	3.1	-3.1
8		MUZAFFARPUR-GORAKHPUR	D/C	125	440	0.0	3.0	-3.0
9		PATNA-BALIA	Q/C	0	783	0.0	10.6	-10.6
10		BIHARSHARIFF-BALIA	D/C	0	431	0.0	5.6	-5.6
11		MOTIHARI-GORAKHPUR	D/C	0	534	0.0	9.0	-9.0
12		BIHARSHARIFF-VARANASI	D/C	134	234	0.0	0.7	-0.7
13		220 kV	PUSAULI-SAHUPURI	S/C	0	165	0.0	2.8
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	67.3	-66.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1382	0	21.7	0.0	21.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	894	0	10.0	0.0	10.0
20		JHARSUGUDA-DURG	D/C	154	123	0.0	0.9	-0.9
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	497	0.0	6.6	-6.6
22		RANCHI-SIPAT	D/C	245	64	2.1	0.0	2.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
24		BUDHIPADAR-KORBA	D/C	90	11	0.9	0.0	0.9
ER-WR						34.7	7.4	27.3
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	668.0	0.0	12.4	-12.4
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1975.0	0.0	38.4	-38.4
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2966.0	0.0	54.1	-54.1
28	400 kV	TALCHER-I/C	D/C	1675.0	726.0	3.6	0.0	3.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0	0.0	0.0	0.0
ER-SR						0.0	104.9	-104.9
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	590	0.0	8.6	-9
31		ALIPURDUAR-BONGAIGAON	D/C	0	772	0.0	11.9	-12
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	151	0.0	2.3	-2
ER-NER						0.0	22.8	-22.8
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	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	449	493	5.0	6.9	-1.9
36		APL -MHG	D/C	0	1918	0.0	36.1	-36.1
37	765 kV	GWALIOR-AGRA	D/C	0	2682	0.0	45.4	-45.4
38		PHAGI-GWALIOR	D/C	0	1562	0.0	23.1	-23.1
39		JABALPUR-ORAI	D/C	0	1035	0.0	34.2	-34.2
40		GWALIOR-ORAI	S/C	636	0	11.6	0.0	11.6
41		SATNA-ORAI	S/C	0	1446	0.0	29.7	-29.7
42		CHITTORGARH-BANASKANTHA	D/C	43	1005	0.0	9.1	-9.1
43	400 kV	ZERDA-KANKROLI	S/C	107	194	0.0	0.5	-0.5
44		ZERDA -BHINMAL	S/C	0	447	0.0	3.5	-3.5
45		V'CHAL -RIHAND	S/C	980	0	22.8	0.0	22.8
46		RAPP-SHUJALPUR	D/C	79	393	0	3	-3
47	220 kV	BHANPURA-RANPUR	S/C	11	92	0.5	0.5	-0.1
48		BHANPURA-MORAK	S/C	31	126	0.1	1.3	-1.2
49		MEHGAON-AURAIYA	S/C	96	0	1.2	0.0	1.2
50	132kV	MALANPUR-AURAIYA	S/C	66	20	0.7	0.0	0.7
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.8	193.7	-151.8
Import/Export of WR (With SR)								
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	406	2394	0.0	25.5	-25.5
55		WARDHA-NIZAMABAD	D/C	0	3209	0.0	46.6	-46.6
56	400 kV	KOLHAPUR-KUDGI	D/C	870	0	12.9	0.0	12.9
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	58	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	0	99	1.8	0.0	1.8
WR-SR						14.7	97.2	-82.5
TRANSNATIONAL EXCHANGE								
60		BHUTAN						2.0
61		NEPAL						-10.3
62		BANGLADESH						-13.3