



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: 08th 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 07.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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

8-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)	48077	47958	41389	18810	2413	158647
Peak Shortage (MW)	627	0	0	0	43	670
Energy Met (MU)	1004	1171	1051	368	42	3636
Hydro Gen (MU)	125	43	90	34	5	298
Wind Gen (MU)	11	48	28	-----	-----	87
Solar Gen (MU)*	38.53	25.30	85.95	1.35	0.04	151
Energy Shortage (MU)	14.6	0.0	0.0	0.0	0.6	15.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50955 09:29	55427 11:01	49931 08:19	18699 18:20	2487 18:16	174661 09:24

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	0.040	0.00	0.34	6.69	7.03	72.92	20.06

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	6280	0	126.0	66.5	-0.7	86	0.0
	Haryana	6895	0	133.0	91.0	0.1	223	0.1
	Rajasthan	14198	0	249.7	76.3	-3.0	176	0.0
	Delhi	4434	0	73.4	56.5	0.6	340	0.0
	UP	16191	150	295.5	122.8	-0.1	740	1.9
	Uttarakhand	2233	0	40.1	22.8	0.1	147	0.0
	HP	1732	0	31.1	24.0	-0.3	128	0.0
	J&K(UT) and Ladakh(UT)	2508	627	51.1	45.1	-0.2	339	12.6
	Chandigarh	267	0	4.2	3.9	0.3	31	0.0
WR	Chhattisgarh	3313	0	71.8	26.4	-1.4	352	0.0
	Gujarat	15885	0	337.3	88.0	3.9	544	0.0
	MP	14555	0	267.7	133.1	0.8	460	0.0
	Maharashtra	22086	0	452.7	138.3	-3.3	572	0.0
	Goa	458	0	9.6	9.4	-0.3	28	0.0
	DD	329	0	7.3	6.8	0.5	47	0.0
	DNH	761	0	17.9	17.9	0.0	38	0.0
	Essar steel	786	0	6.2	6.3	-0.1	265	0.0
	Andhra Pradesh	9304	0	188.1	67.6	-0.1	541	0.0
SR	Telangana	11527	0	226.7	117.9	0.1	399	0.0
	Karnataka	12618	0	238.3	74.6	-0.8	830	0.0
	Kerala	3676	0	75.4	57.1	1.7	201	0.0
	Tamil Nadu	14746	0	314.7	167.1	1.0	604	0.0
	Pondy	368	0	7.5	7.6	0.0	58	0.0
	Bihar	4435	0	79.6	74.1	1.5	200	0.0
ER	DVC	3166	0	67.0	-38.0	-0.4	250	0.0
	Jharkhand	1287	0	25.7	20.1	0.3	70	0.0
	Odisha	3911	0	72.0	5.6	0.0	180	0.0
	West Bengal	6389	0	121.4	35.5	0.0	170	0.0
	Sikkim	135	0	2.1	1.9	0.2	25	0.0
	Arunachal Pradesh	124	3	2.2	2.2	-0.1	33	0.0
NER	Assam	1359	37	23.9	20.1	1.1	159	0.3
	Manipur	194	4	2.3	3.1	-0.7	45	0.0
	Meghalaya	386	2	6.7	6.1	0.0	38	0.3
	Mizoram	108	4	1.6	1.8	-0.5	24	0.0
	Nagaland	116	3	2.1	2.1	-0.1	10	0.0
	Tripura	223	11	3.7	1.6	-0.1	33	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.7	-11.2	-7.5
Day peak (MW)	405.9	-531.3	-571.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	236.9	-274.9	133.5	-102.4	6.8	0.0
Actual(MU)	233.8	-295.1	163.0	-103.7	4.0	2.0
O/D/U/D(MU)	-3.1	-20.2	29.5	-1.3	-2.8	2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5590	14222	7872	1855	737	30276
State Sector	12265	14690	6410	5370	11	38746
Total	17855	28911	14282	7225	748	69022

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	518	1255	550	466	12	2802
Lignite	18	16	53	0	0	87
Hydro	125	43	90	34	5	298
Nuclear	24	33	34	0	0	91
Gas, Naptha & Diesel	32	42	16	0	23	114
RES (Wind, Solar, Biomass & Others)	79	82	149	1	0	311
Total	797	1471	892	502	41	3702

Share of RES in total generation (%)	9.91	5.55	16.66	0.27	0.10	8.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.66	10.68	30.58	7.06	12.74	18.88

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.016
Based on State Max Demands	1.071

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 : 8-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	378	0.0	7.5	-7.5
1	765kV	GAYA-VARANASI	D/C	0	786	0.0	8.5	-8.5
2		SASARAM-FATEHPUR	S/C	51	260	0.0	2.4	-2.4
3		GAYA-BALIA	S/C	0	597	0.0	8.9	-8.9
6	400 kV	PUSAULI-VARANASI	S/C	0	274	0.0	4.8	-4.8
7		PUSAULI -ALLAHABAD	S/C	0	141	0.0	2.4	-2.4
8		MUZAFFARPUR-GORAKHPUR	D/C	139	284	0.0	0.9	-0.9
9		PATNA-BALIA	Q/C	0	884	0.0	14.2	-14.2
10		BIHARSHARIFF-BALIA	D/C	0	355	0.0	5.0	-5.0
11		MOTIHARI-GORAKHPUR	D/C	0	508	0.0	9.0	-9.0
12		BIHARSHARIFF-VARANASI	D/C	134	229	0.0	0.7	-0.7
13	220 kV	PUSAULI-SAHUPURI	S/C	2	82	0.0	1.0	-1.0
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.7	0.0	0.7
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						0.7	65.5	-64.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1644	0	26.4	0.0	26.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	941	0	7.6	0.0	7.6
20		JHARSUGUDA-DURG	D/C	322	0	2.8	0.0	2.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	141	251	0.0	1.2	-1.2
22		RANCHI-SIPAT	D/C	306	0	2.9	0.0	2.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
24		BUDHIPADAR-KORBA	D/C	94	6	0.9	0.0	0.9
ER-WR						40.6	1.2	39.4
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	576.0	0.0	12.9	-12.9
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2457.0	0.0	48.3	-48.3
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2827.0	0.0	52.7	-52.7
28	400 kV	TALCHER-I/C	D/C	0.0	642.0	0.0	3.4	-3.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	114.0	-114.0
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	547	0.0	6.9	-7
31		ALIPURDUAR-BONGAIGAON	D/C	0	713	0.0	9.0	-9
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	132	0.0	1.7	-2
ER-NER						0.0	17.6	-17.6
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	13.0	-13.0
NER-NR						0.0	13.0	-13.0
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	26.0	-26.0
35		V'CHAL B/B	D/C	445	487	2.0	2.2	-0.2
36	765 kV	APL -MHG	D/C	0	2378	0.0	41.1	-41.1
37		GWALIOR-AGRA	D/C	0	2638	0.0	43.7	-43.7
38		PHAGI-GWALIOR	D/C	0	1416	0.0	22.6	-22.6
39		JABALPUR-ORAI	D/C	0	928	0.0	31.8	-31.8
40		GWALIOR-ORAI	S/C	708	0	11.6	0.0	11.6
41		SATNA-ORAI	S/C	0	1420	0.0	28.6	-28.6
42		CHITTORGARH-BANASKANTHA	D/C	366	676	0.0	2.4	-2.4
43	400 kV	ZERDA-KANKROLI	S/C	166	126	0.9	0.0	0.9
44		ZERDA -BHINMAL	S/C	164	417	0.0	2.2	-2.2
45		V'CHAL -RIHAND	S/C	997	0	23.3	0.0	23.3
46	220 kV	RAPP-SHUJALPUR	D/C	109	354	0	1	-1
47		BHANPURA-RANPUR	S/C	39	64	0.5	0.3	0.2
48		BHANPURA-MORAK	S/C	41	94	0.1	0.9	-0.8
49		MEHGAON-AURAIYA	S/C	109	0	1.1	0.0	1.1
50		MALANPUR-AURAIYA	S/C	59	23	0.8	0.0	0.7
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.2	203.0	-162.8
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	1006	0.0	24.1	-24.1
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	11	2482	0.0	33.2	-33.2
55		WARDHA-NIZAMABAD	D/C	0	2889	0.0	45.6	-45.6
56	400 kV	KOLHAPUR-KUDGI	D/C	627	30	6.7	0.0	6.7
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	89	1.5	0.0	1.5
WR-SR						8.2	102.8	-94.6
TRANSNATIONAL EXCHANGE								
60		BHUTAN						1.7
61		NEPAL						-11.2
62		BANGLADESH						-7.5