



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: 09th 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., 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 08.02.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-फरवरी-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 08th Feb 2020, is available at the NLDC website.

धन्यवाद,

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)	47681	48184	40929	18738	2406	157938
Peak Shortage (MW)	632	0	0	0	46	678
Energy Met (MU)	988	1164	1034	370	42	3596
Hydro Gen (MU)	125	37	88	31	5	286
Wind Gen (MU)	20	86	20	-----	-----	126
Solar Gen (MU)*	39.83	25.60	69.62	1.32	0.03	136
Energy Shortage (MU)	13.6	0.0	0.0	0.0	0.6	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49646 09:15	55546 09:40	49742 09:11	18929 18:58	2450 18:04	173217 09:15

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	0.041	0.00	0.51	6.93	7.44	72.69	19.87

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	6434	0	127.2	75.3	-1.0	90	0.0
	Haryana	6643	0	131.6	91.9	-0.1	187	0.0
	Rajasthan	14085	0	247.4	64.7	-0.6	303	0.0
	Delhi	3687	0	62.0	45.0	0.4	312	0.0
	UP	16627	150	295.4	122.3	-1.7	740	1.1
	Uttarakhand	2127	0	39.2	21.4	-0.8	120	0.0
	HP	1741	0	30.3	24.5	-1.4	186	0.0
	J&K(UT) and Ladakh(UT)	2572	643	50.7	45.0	-0.4	377	12.5
	Chandigarh	241	0	3.9	3.8	0.1	32	0.0
WR	Chhattisgarh	3238	0	72.8	24.0	1.6	239	0.0
	Gujarat	15853	0	333.9	77.5	5.0	512	0.0
	MP	14592	0	266.9	121.1	-3.5	535	0.0
	Maharashtra	21792	0	449.6	138.6	0.7	456	0.0
	Goa	463	0	9.6	9.3	-0.2	36	0.0
	DD	322	0	7.3	6.7	0.6	52	0.0
	DNH	769	0	18.0	18.0	0.0	36	0.0
	Essar steel	811	0	5.4	5.3	0.1	237	0.0
	Andhra Pradesh	9226	0	187.4	70.5	0.9	452	0.0
SR	Telangana	11278	0	220.6	116.3	0.4	442	0.0
	Karnataka	12615	0	230.7	75.1	-0.3	451	0.0
	Kerala	3497	0	73.4	57.1	1.9	232	0.0
	Tamil Nadu	14557	0	314.6	167.7	-2.1	376	0.0
	Pondy	364	0	7.6	7.9	-0.3	20	0.0
	Bihar	4412	0	76.4	73.7	0.2	50	0.0
ER	DVC	3124	0	68.6	-38.4	0.7	180	0.0
	Jharkhand	1319	0	25.4	21.1	-0.9	70	0.0
	Odisha	4235	0	77.0	11.8	0.6	320	0.0
	West Bengal	6292	0	120.2	36.2	-1.2	90	0.0
	Sikkim	140	0	1.9	1.8	0.1	15	0.0
	NER	Arunachal Pradesh	120	1	2.0	2.2	-0.2	33
Assam		1385	41	23.0	20.0	0.4	159	0.3
Manipur		207	1	2.4	3.0	-0.6	45	0.0
Meghalaya		386	0	6.7	6.0	-0.2	38	0.3
Mizoram		106	2	1.7	1.7	-0.4	24	0.0
Nagaland		125	1	2.2	2.1	0.1	10	0.0
Tripura		229	1	3.4	1.6	-0.5	33	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.5	-10.0	-11.0
Day peak (MW)	422.0	-461.8	-860.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	227.9	-277.5	131.9	-89.6	7.2	-0.1
Actual(MU)	219.7	-313.3	171.0	-84.4	4.6	-2.4
O/D/U/D(MU)	-8.2	-35.8	39.0	5.2	-2.6	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5881	14983	6872	1660	737	30133
State Sector	12595	15382	6620	6190	11	40798
Total	18476	30364	13492	7850	748	70930

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	499	1219	535	452	12	2717
Lignite	21	17	58	0	0	96
Hydro	125	37	88	31	5	286
Nuclear	24	30	34	0	0	88
Gas, Naptha & Diesel	34	39	17	0	23	112
RES (Wind, Solar, Biomass & Others)	88	124	137	1	0	351
Total	790	1465	869	485	40	3650

Share of RES in total generation (%)	11.17	8.45	15.80	0.27	0.07	9.61
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.97	12.99	29.86	6.73	13.63	19.86

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
Based on State Max Demands	1.072

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 :	9-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	379	0.0	9.4	-9.4	
1	765kV	GAYA-VARANASI	D/C	163	719	0.0	5.9	-5.9	
2		SASARAM-FATEHPUR	S/C	215	180	0.0	0.2	-0.2	
3		GAYA-BALIA	S/C	0	540	0.0	8.0	-8.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	314	0.0	6.3	-6.3	
7		PUSAULI -ALLAHABAD	S/C	0	178	0.0	2.9	-2.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	207	153	0.6	0.0	0.6	
9		PATNA-BALIA	Q/C	0	818	0.0	12.6	-12.6	
10		BIHARSHARIFF-BALIA	D/C	0	320	0.0	4.0	-4.0	
11		MOTIHARI-GORAKHPUR	D/C	0	486	0.0	8.2	-8.2	
12		BIHARSHARIFF-VARANASI	D/C	257	139	1.3	0.0	1.3	
13		220 kV	PUSAULI-SAHUPURI	S/C	31	56	0.0	0.5	-0.5
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	2.6	58.1	-55.4
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2029	0	31.9	0.0	31.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	891	0	11.5	0.0	11.5	
20		JHARSUGUDA-DURG	D/C	362	55	4.2	0.0	4.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	354	64	2.4	0.0	2.4	
22		RANCHI-SIPAT	D/C	323	0	4.5	0.0	4.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0	
24		BUDHIPADAR-KORBA	D/C	120	0	2.0	0.0	2.0	
						ER-WR	56.4	0.0	56.4
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	582.0	0.0	10.3	-10.3	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2457.0	0.0	48.9	-48.9	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	3032.0	0.0	55.6	-55.6	
28	400 kV	TALCHER-I/C	D/C	397.0	1003.0	0.0	6.2	-6.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	114.9	-114.9
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	512	0.0	8.8	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	0	684	0.0	12.2	-12	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	129	0.0	2.1	-2	
						ER-NER	0.0	23.1	-23.1
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	15.4	-15.4	
						NER-NR	0.0	15.4	-15.4
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	18.8	-18.8	
35		VCHAL B/B	D/C	447	487	6.8	1.1	5.7	
36	765 kV	APL -MHG	D/C	0	2378	0.0	30.8	-30.8	
37		GWALIOR-AGRA	D/C	0	2757	0.0	47.2	-47.2	
38		PHAGI-GWALIOR	D/C	0	1580	0.0	22.4	-22.4	
39		JABALPUR-ORAI	D/C	0	1062	0.0	33.1	-33.1	
40		GWALIOR-ORAI	S/C	689	0	10.6	0.0	10.6	
41		SATNA-ORAI	S/C	0	1536	0.0	30.7	-30.7	
42		CHITTORGARH-BANASKANTHA	D/C	76	1026	0.0	9.1	-9.1	
43		ZERDA-KANKROLI	S/C	164	179	0.2	0.0	0.2	
44	400 kV	ZERDA -BHINMAL	S/C	256	385	0.0	1.3	-1.3	
45		VCHAL -RIHAND	S/C	991	0	23.0	0.0	23.0	
46		RAPP-SHUJALPUR	D/C	198	385	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	61	78	0.5	0.3	0.2	
48		BHANPURA-MORAK	S/C	38	106	0.1	1.0	-0.9	
49		MEHGAON-AURAIYA	S/C	94	0	1.4	0.0	1.4	
50	132kV	MALANPUR-AURAIYA	S/C	50	18	0.5	0.0	0.5	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.1	198.4	-155.3
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1002	0.0	22.4	-22.4	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2770	0.0	37.5	-37.5	
55		WARDHA-NIZAMABAD	D/C	0	3143	0.0	48.5	-48.5	
56	400 kV	KOLHAPUR-KUDGI	D/C	768	149	6.5	0.0	6.5	
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	80	1.3	0.0	1.3	
						WR-SR	7.9	108.4	-100.5
TRANSNATIONAL EXCHANGE									
60		BHUTAN						1.5	
61		NEPAL						-10.0	
62		BANGLADESH						-11.0	