National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 13th 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., डोंगतिएह, 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 12.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-फरवरी-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 12th Feb 2020, is available at the NLDC website.

धन्यवाद,

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

Report for previous day **Date of Reporting** **13-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)	47583	49786	41743	17856	2435	159403
Peak Shortage (MW)	565	0	0	0	21	586
Energy Met (MU)	1001	1216	1037	371	42	3666
Hydro Gen (MU)	132	53	82	31	3	301
Wind Gen (MU)	21	54	70	----------	----------	145
Solar Gen (MU)*	37.27	24.70	78.94	1.55	0.04	142
Energy Shortage (MU)	14.7	0.0	0.0	0.0	0.7	15.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50781 09:33	56707 09:55	49077 07:57	19057 19:00	2457 18:20	173369 09:26

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	0.24	7.14	7.38	74.34	18.28

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	7041	0	134.2	70.6	-0.2	626	0.0
	Haryana	7342	0	137.8	87.0	0.5	172	0.0
	Rajasthan	14168	0	249.0	71.1	2.9	591	0.0
	Delhi	4149	0	68.8	52.7	-0.5	243	0.0
	UP	16113	0	288.0	122.2	-1.3	606	2.5
	Uttarakhand	2156	0	38.6	19.8	0.2	110	0.0
	HP	1674	0	28.8	22.6	-0.9	104	0.0
	J&K(UT) and Ladakh(UT)	2266	566	51.8	44.5	-0.9	243	12.2
	Chandigarh	257	0	3.9	3.8	0.1	30	0.0
WR	Chhattisgarh	3693	0	78.7	31.4	-0.9	303	0.0
	Gujarat	15641	0	341.0	93.8	4.4	684	0.0
	MP	14578	0	271.4	132.3	-2.7	757	0.0
	Maharashtra	23225	0	476.8	151.1	-1.5	495	0.0
	Goa	574	0	11.9	11.7	-0.3	42	0.0
	DD	331	0	7.3	6.9	0.4	42	0.0
	DNH	807	0	18.7	18.6	0.1	37	0.0
	Essar steel	746	0	10.2	10.9	-0.7	257	0.0
SR	Andhra Pradesh	9117	0	186.4	69.2	-0.6	260	0.0
	Telangana	10781	0	216.8	112.8	1.1	369	0.0
	Karnataka	12342	0	237.7	78.2	-0.5	316	0.0
	Kerala	3841	0	76.0	59.0	1.5	254	0.0
	Tamil Nadu	14704	0	311.9	141.5	0.2	384	0.0
	Pondy	377	0	7.7	7.9	-0.2	50	0.0
ER	Bihar	4229	0	77.1	76.1	-0.6	274	0.0
	DVC	3148	0	66.3	-37.9	0.3	211	0.0
	Jharkhand	1276	0	24.9	19.3	0.2	81	0.0
	Odisha	4015	0	77.8	8.0	-0.9	271	0.0
	West Bengal	6509	0	123.3	34.0	-0.8	191	0.0
	Sikkim	127	0	1.8	1.8	0.0	14	0.0
NER	Arunachal Pradesh	117	1	2.2	2.3	-0.2	11	0.0
	Assam	1365	7	22.7	20.7	0.1	65	0.4
	Manipur	213	2	3.0	3.0	-0.1	36	0.0
	Meghalaya	360	0	6.6	5.7	-0.1	45	0.2
	Mizoram	101	1	1.8	1.9	-0.3	14	0.0
	Nagaland	130	1	2.2	2.1	0.0	36	0.0
	Tripura	223	0	3.5	2.1	-0.2	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.7	-10.9	-12.5
Day peak (MW)	308.9	-588.6	-896.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	241.3	-265.1	110.7	-96.8	9.9	0.0
Actual(MU)	234.2	-268.4	120.0	-98.3	9.2	-3.3
O/D/U/D(MU)	-7.1	-3.3	9.3	-1.5	-0.6	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6313	13073	6082	1560	668	27696
State Sector	12880	14268	7313	5740	11	40211
Total	19193	27340	13395	7300	680	67907

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	485	1261	543	458	12	2759
Lignite	28	17	51	0	0	96
Hydro	132	53	82	31	3	301
Nuclear	24	35	24	0	0	84
Gas, Naptha & Diesel	36	39	17	0	23	115
RES (Wind, Solar, Biomass & Others)	88	89	197	2	0	376
Total	792	1494	915	491	38	3730

Share of RES in total generation (%)	11.08	5.98	21.55	0.33	0.11	10.08
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.76	11.89	33.13	6.60	8.18	20.37

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
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.

कार्यपालक निदेशक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **13-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	378	0.0	9.3	-9.3
1	765kV	GAYA-VARANASI	D/C	133	663	0.0	6.9	-6.9
2		SASARAM-FATEHPUR	S/C	226	218	0.0	1.3	-1.3
3		GAYA-BALIA	S/C	0	594	0.0	8.2	-8.2
6	400 kV	PUSAULI-VARANASI	S/C	0	285	0.0	6.0	-6.0
7		PUSAULI -ALLAHABAD	S/C	0	167	0.0	3.1	-3.1
8		MUZAFFARPUR-GORAKHPUR	D/C	194	274	0.0	1.0	-1.0
9		PATNA-BALIA	Q/C	0	918	0.0	12.3	-12.3
10		BIHARSHARIFF-BALIA	D/C	34	451	0.0	4.1	-4.1
11		MOTIHARI-GORAKHPUR	D/C	0	492	0.0	9.7	-9.7
12		BIHARSHARIFF-VARANASI	D/C	228	173	0.3	0.0	0.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	163	0.0	2.8	-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	0.7	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	**1.0**	**64.7**	**-63.7**
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1509	0	21.3	0.0	21.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	858	0	11.4	0.0	11.4
20		JHARSUGUDA-DURG	D/C	103	140	0.0	0.5	-0.5
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	331	196	0.5	0.0	0.5
22		RANCHI-SIPAT	D/C	304	0	4.3	0.0	4.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
24		BUDHIPADAR-KORBA	D/C	83	2	1.0	0.0	1.0
					ER-WR	**38.5**	**0.5**	**38.0**
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	531.0	0.0	12.3	-12.3
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	46.9	-46.9
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2441.0	0.0	44.3	-44.3
28	400 kV	TALCHER-I/C	D/C	415.0	753.0	0.0	4.5	-4.5
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**103.5**	**-103.5**
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	612	0.0	8.6	-9
31		ALIPURDUAR-BONGAIGAON	D/C	0	799	0.0	11.0	-11
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	151	0.0	1.7	-2
					ER-NER	**0.0**	**21.3**	**-21.3**
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	1	504	0.0	10.4	-10.4
					NER-NR	**0.0**	**10.4**	**-10.4**
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	28.3	-28.3
35		V'CHAL B/B	D/C	451	0	4.6	0.0	4.6
36		APL -MHG	D/C	0	1923	0.0	43.9	-43.9
37	765 kV	GWALIOR-AGRA	D/C	0	2695	0.0	46.2	-46.2
38		PHAGI-GWALIOR	D/C	0	1547	0.0	24.1	-24.1
39		JABALPUR-ORAI	D/C	0	954	0.0	33.0	-33.0
40		GWALIOR-ORAI	S/C	649	0	11.2	0.0	11.2
41		SATNA-ORAI	S/C	0	1475	0.0	29.5	-29.5
42		CHITTORGARH-BANASKANTHA	D/C	260	1070	0.0	4.1	-4.1
43	400 kV	ZERDA-KANKROLI	S/C	217	180	0.9	0.0	0.9
44		ZERDA -BHINMAL	S/C	415	322	1.2	0.0	1.2
45		V'CHAL -RIHAND	S/C	984	0	22.7	0.0	22.7
46		RAPP-SHUJALPUR	D/C	138	404	0	1	-1
47	220 kV	BHANPURA-RANPUR	S/C	58	73	1.0	0.1	1.0
48		BHANPURA-MORAK	S/C	56	95	0.3	0.6	-0.4
49		MEHGAON-AURAIYA	S/C	105	0	1.6	0.0	1.6
50		MALANPUR-AURAIYA	S/C	164	11	0.7	0.0	0.7
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**44.1**	**211.3**	**-167.1**
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	22.3	-22.3
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	548	1727	1.1	19.2	-18.1
55		WARDHA-NIZAMABAD	D/C	0	2623	0.0	36.0	-36.0
56	400 kV	KOLHAPUR-KUDGI	D/C	975	0	15.9	0.0	15.9
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	115	0.0	2.1	-2.1
59		XELDEM-AMBEWADI	S/C	1	0	0.0	0.0	0.0
					WR-SR	**17.0**	**79.7**	**-62.7**
TRANSNATIONAL EXCHANGE								
60		BHUTAN						**1.7**
61		NEPAL						**-10.9**
62		BANGLADESH						**-12.5**