



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: 03rd Mar 2020

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 02.03.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-मार्च-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 02nd Mar 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 3-Mar-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)	42209	50560	44448	17032	2334	156583
Peak Shortage (MW)	600	0	0	0	89	689
Energy Met (MU)	882	1199	1090	354	40	3565
Hydro Gen (MU)	136	35	100	30	4	306
Wind Gen (MU)	11	34	19	-----	-----	64
Solar Gen (MU)*	40.40	26.29	84.65	1.41	0.05	153
Energy Shortage (MU)	9.8	0.0	0.0	0.0	0.9	10.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44471 08:38	56177 11:26	51170 16:01	18061 18:47	2369 18:19	166819 09:19

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	0.046	0.00	1.03	9.03	10.06	73.66	16.28

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	5444	0	111.2	72.2	-1.2	54	0.0
	Haryana	5941	0	110.4	91.3	1.6	274	0.4
	Rajasthan	13285	0	236.5	68.1	0.8	546	0.0
	Delhi	3310	0	61.5	46.1	-1.0	187	0.0
	UP	13628	0	250.8	120.1	-1.1	684	0.0
	Uttarakhand	1798	0	33.8	14.8	0.4	92	0.0
	HP	1642	0	27.5	20.2	-0.1	176	0.0
	J&K(UT) and Ladakh(UT)	2401	600	46.8	42.1	-1.2	229	9.3
	Chandigarh	185	0	3.1	3.4	-0.3	10	0.0
WR	Chhattisgarh	3910	0	91.3	39.1	3.8	323	0.0
	Gujarat	16462	0	360.1	100.3	3.6	468	0.0
	MP	11531	0	226.7	107.4	-2.3	327	0.0
	Maharashtra	22839	0	476.6	156.1	-1.4	503	0.0
	Goa	523	0	10.9	10.8	-0.4	27	0.0
	DD	325	0	7.1	6.9	0.2	35	0.0
	DNH	802	0	18.6	18.2	0.4	96	0.0
	Essar steel	775	0	7.3	6.9	0.4	251	0.0
	SR	Andhra Pradesh	9750	0	195.3	80.1	0.6	463
Telangana		12741	0	248.6	138.6	0.7	691	0.0
Karnataka		11745	0	237.2	75.6	-1.3	416	0.0
Kerala		3930	0	78.9	61.1	1.4	274	0.0
Tamil Nadu		14799	0	323.0	181.7	0.5	440	0.0
Pondy		368	0	7.5	7.9	-0.4	28	0.0
ER		Bihar	3878	0	72.1	66.4	-0.8	176
	DVC	3029	0	63.8	-37.8	-0.2	246	0.0
	Jharkhand	1284	0	24.2	16.6	-1.6	35	0.0
	Odisha	3829	0	72.4	2.0	0.2	224	0.0
	West Bengal	6531	0	120.1	33.9	-0.3	189	0.0
	Sikkim	163	0	1.4	1.6	-0.1	34	0.0
NER	Arunachal Pradesh	118	2	2.1	2.0	0.1	35	0.0
	Assam	1320	71	22.5	18.4	0.5	101	0.8
	Manipur	190	3	2.7	2.6	0.0	34	0.0
	Meghalaya	335	4	5.6	4.1	0.2	226	0.1
	Mizoram	101	3	1.6	1.5	-0.2	14	0.0
	Nagaland	114	3	2.1	2.0	0.1	4	0.0
	Tripura	230	11	3.5	1.7	0.1	92	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.9	-10.6	-16.0
Day peak (MW)	269.2	-564.5	-1026.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	202.0	-272.8	171.5	-106.8	6.1	0.0
Actual(MU)	182.9	-281.1	187.3	-108.1	8.3	-10.7
O/D/U/D(MU)	-19.1	-8.3	15.8	-1.3	2.2	-10.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6243	12490	6812	750	1090	27384
State Sector	15390	13859	7625	5002	11	41887
Total	21633	26348	14437	5752	1101	69271

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	416	1254	563	468	11	2712
Lignite	22	15	48	0	0	86
Hydro	136	35	100	30	4	306
Nuclear	23	37	45	0	0	104
Gas, Naptha & Diesel	31	70	18	0	21	139
RES (Wind, Solar, Biomass & Others)	78	72	139	1	0	291
Total	705	1484	913	499	37	3638

Share of RES in total generation (%)	11.07	4.88	15.21	0.29	0.14	7.99
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.55	9.73	31.09	6.21	12.34	19.25

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.075

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 :	3-Mar-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	249	0.0	6.1	-6.1	
1	765kV	GAYA-VARANASI	D/C	154	610	0.0	5.0	-5.0	
2		SASARAM-FATEHPUR	S/C	171	206	0.0	0.6	-0.6	
3		GAYA-BALIA	S/C	0	368	0.0	5.2	-5.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	229	0.0	4.5	-4.5	
7		PUSAULI -ALLAHABAD	S/C	0	108	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	127	413	0.0	1.4	-1.4	
9		PATNA-BALIA	Q/C	0	748	0.0	6.3	-6.3	
10		BIHARSHARIFF-BALIA	D/C	46	300	0.0	2.7	-2.7	
11		MOTIHARI-GORAKHPUR	D/C	0	553	0.0	9.5	-9.5	
12		BIHARSHARIFF-VARANASI	D/C	228	207	1.6	0.0	1.6	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	153	0.0	2.6	-2.6
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	2.0	45.2	-43.2
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1625	0	27.7	0.0	27.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	880	6	8.8	0.0	8.8	
20		JHARSUGUDA-DURG	D/C	0	22	0.0	0.2	-0.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	181	251	0.0	2.0	-2.0	
22		RANCHI-SIPAT	D/C	243	22	3.2	0.0	3.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	44	75	0.0	0.8	-0.8	
24		BUDHIPADAR-KORBA	D/C	144	0	2.3	0.0	2.3	
						ER-WR	42.0	3.0	39.0
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	695.0	0.0	16.2	-16.2	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2487.0	0.0	52.6	-52.6	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	3206.0	0.0	63.5	-63.5	
28	400 kV	TALCHER-I/C	D/C	0.0	968.0	0.0	10.0	-10.0	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	132.3	-132.3
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	514	0.0	7.6	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	0	774	0.0	11.0	-11	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	136	0.0	1.9	-2	
						ER-NER	0.0	20.4	-20.4
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	797	0.0	5.0	-5.0	
35		VCHAL B/B	D/C	359	103	0.5	2.3	-1.8	
36		APL -MHG	D/C	0	1150	0.0	28.5	-28.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2483	0.0	43.9	-43.9	
38		PHAGI-GWALIOR	D/C	0	1528	0.0	23.0	-23.0	
39		JABALPUR-ORAI	D/C	0	921	0.0	30.5	-30.5	
40		GWALIOR-ORAI	S/C	567	0	11.7	0.0	11.7	
41		SATNA-ORAI	S/C	0	1436	0.0	29.1	-29.1	
42		CHITTORGARH-BANASKANTHA	D/C	65	838	0.0	5.4	-5.4	
43	400 kV	ZERDA-KANKROLI	S/C	114	135	0.0	0.0	0.0	
44		ZERDA -BHINMAL	S/C	136	312	0.0	1.9	-1.9	
45		VCHAL-RIHAND	S/C	966	0	22.5	0.0	22.5	
46		RAPP-SHUJALPUR	D/C	127	302	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	3	93	0.3	0.6	-0.3	
48		BHANPURA-MORAK	S/C	17	131	0.0	1.3	-1.2	
49		MEHGAON-AURAIYA	S/C	72	12	0.7	0.0	0.7	
50	132kV	MALANPUR-AURAIYA	S/C	36	35	0.2	0.1	0.0	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	35.9	172.3	-136.5
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	508	0.0	12.2	-12.2	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2354	0.0	44.1	-44.1	
55		WARDHA-NIZAMABAD	D/C	0	3508	0.0	61.2	-61.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	804	0	13.3	0.0	13.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	82	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	89	1.8	0.0	1.8	
						WR-SR	15.1	118.8	-103.7
TRANSNATIONAL EXCHANGE									
60		BHUTAN						1.9	
61		NEPAL						-10.6	
62		BANGLADESH						-16.0	