



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: 04th Mar 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 03.03.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03rd 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 4-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)	42485	49877	44904	16713	2130	156109
Peak Shortage (MW)	600	0	0	0	257	857
Energy Met (MU)	914	1219	1117	347	38	3635
Hydro Gen (MU)	145	44	108	29	5	330
Wind Gen (MU)	7	54	23	-----	-----	83
Solar Gen (MU)*	41.01	28.00	82.52	1.53	0.03	153
Energy Shortage (MU)	9.3	0.0	0.0	0.0	1.8	11.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45510 19:20	56883 11:19	51794 10:29	17928 18:48	2205 19:19	170170 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	0.033	0.00	0.00	4.68	4.68	76.85	18.47

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	5594	0	116.5	75.7	-1.1	72	0.0
	Haryana	6120	0	119.5	90.1	0.1	168	0.0
	Rajasthan	13448	0	244.7	71.3	-1.4	315	0.0
	Delhi	3406	0	62.8	46.7	-0.6	158	0.0
	UP	13860	0	257.1	126.4	-2.1	230	0.0
	Uttarakhand	1863	0	35.0	15.8	0.3	137	0.0
	HP	1650	0	28.4	21.9	-0.7	106	0.0
	J&K(UT) and Ladakh(UT)	2724	681	46.9	39.6	-1.6	229	9.3
	Chandigarh	211	0	3.4	3.5	-0.2	36	0.0
WR	Chhattisgarh	3963	0	86.2	39.7	-1.0	556	0.0
	Gujarat	16482	0	363.1	98.8	4.5	535	0.0
	MP	11997	0	234.3	110.7	-1.7	391	0.0
	Maharashtra	23294	0	490.8	153.1	-1.2	242	0.0
	Goa	526	0	11.0	10.8	-0.3	81	0.0
	DD	340	0	7.6	7.0	0.6	67	0.0
	DNH	803	0	19.0	18.9	0.1	56	0.0
	Essar steel	776	0	6.6	6.3	0.3	233	0.0
	SR	Andhra Pradesh	9903	0	195.9	77.3	0.2	484
Telangana		12941	0	254.0	139.3	0.9	838	0.0
Karnataka		12289	0	245.1	75.3	-0.3	527	0.0
Kerala		3833	60	79.9	59.1	1.6	224	0.0
Tamil Nadu		15130	0	334.0	184.1	1.1	497	0.0
Pondy		383	0	7.9	8.1	-0.1	49	0.0
ER		Bihar	4037	0	73.1	65.9	0.3	163
	DVC	3066	0	62.9	-39.2	0.6	215	0.0
	Jharkhand	1179	0	22.9	16.2	-2.2	47	0.0
	Odisha	3837	0	71.6	1.5	0.1	268	0.0
	West Bengal	6305	0	115.5	30.6	-1.5	226	0.0
	Sikkim	153	0	1.5	1.7	-0.2	23	0.0
NER	Arunachal Pradesh	126	2	2.2	2.1	0.0	26	0.0
	Assam	1196	165	20.3	16.5	-0.1	114	1.6
	Manipur	178	6	2.5	2.5	0.0	46	0.0
	Meghalaya	338	0	5.7	4.0	0.3	37	0.1
	Mizoram	100	1	1.6	1.4	0.0	24	0.0
	Nagaland	118	2	2.2	1.9	0.2	25	0.0
Tripura	224	1	3.4	1.4	0.2	90	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.7	-10.0	-13.7
Day peak (MW)	501.9	-562.7	-863.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	210.4	-279.9	176.6	-115.2	7.9	-0.1
Actual(MU)	197.2	-279.0	198.7	-124.2	10.3	3.0
O/D/U/D(MU)	-13.2	0.9	22.1	-9.1	2.4	3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5449	11780	6512	1100	1090	25931
State Sector	14730	14016	7205	5082	11	41044
Total	20179	25795	13717	6182	1101	66974

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	444	1241	575	478	11	2750
Lignite	20	16	50	0	0	85
Hydro	145	44	108	29	5	330
Nuclear	24	37	46	0	0	106
Gas, Naptha & Diesel	34	73	18	0	16	141
RES (Wind, Solar, Biomass & Others)	75	93	147	2	0	316
Total	741	1503	942	509	32	3727

Share of RES in total generation (%)	10.09	6.19	15.55	0.31	0.09	8.48
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.81	11.54	31.80	6.01	15.64	20.18

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
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 : 4-Mar-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	249	0.0	6.1	-6.1
1	765kV	GAYA-VARANASI	D/C	0	708	0.0	7.8	-7.8
2		SASARAM-FATEHPUR	S/C	98	248	0.0	1.5	-1.5
3		GAYA-BALIA	S/C	0	355	0.0	5.5	-5.5
6	400 kV	PUSAULI-VARANASI	S/C	0	254	0.0	5.1	-5.1
7		PUSAULI -ALLAHABAD	S/C	0	114	0.0	0.8	-0.8
8		MUZAFFARPUR-GORAKHPUR	D/C	101	454	0.0	2.0	-2.0
9		PATNA-BALIA	Q/C	0	853	0.0	11.0	-11.0
10		BIHARSHARIFF-BALIA	D/C	2	308	0.0	3.0	-3.0
11		MOTIHARI-GORAKHPUR	D/C	0	555	0.0	10.0	-10.0
12		BIHARSHARIFF-VARANASI	D/C	144	244	0.0	0.3	-0.3
13		220 kV	PUSAULI-SAHUPURI	S/C	0	170	0.0	2.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3
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						0.3	55.9	-55.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1677	0	31.2	0.0	31.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	546	299	4.1	0.0	4.1
20		JHARSUGUDA-DURG	D/C	126	62	0.0	0.0	0.0
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	375	0.0	4.9	-4.9
22		RANCHI-SIPAT	D/C	167	113	1.2	0.0	1.2
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	108	0.0	1.4	-1.4
24		BUDHIPADAR-KORBA	D/C	117	0	2.0	0.0	2.0
ER-WR						38.4	6.4	32.0
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	695.0	0.0	14.7	-14.7
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2474.0	0.0	48.4	-48.4
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	3236.0	0.0	66.3	-66.3
28	400 kV	TALCHER-I/C	D/C	0.0	705.0	0.0	3.8	-3.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	129.4	-129.4
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	484	0.0	8.1	-8
31		ALIPURDUAR-BONGAIGAON	D/C	0	722	0.0	12.1	-12
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	122	0.0	2.0	-2
ER-NER						0.0	22.3	-22.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.6	-11.6
NER-NR						0.0	11.6	-11.6
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1249	0.0	10.9	-10.9
35		V'CHAL B/B	D/C	448	102	6.7	0.2	6.5
36	765 kV	APL -MHG	D/C	0	1551	0.0	31.1	-31.1
37		GWALIOR-AGRA	D/C	0	2263	0.0	43.9	-43.9
38		PHAGI-GWALIOR	D/C	0	1404	0.0	19.8	-19.8
39		JABALPUR-ORAI	D/C	0	786	0.0	26.9	-26.9
40		GWALIOR-ORAI	S/C	584	0	11.7	0.0	11.7
41		SATNA-ORAI	S/C	0	1354	0.0	27.8	-27.8
42		CHITTORGARH-BANASKANTHA	D/C	135	1033	0.0	9.0	-9.0
43		ZERDA-KANKROLI	S/C	110	162	0.0	0.1	-0.1
44	400 kV	ZERDA -BHINMAL	S/C	102	405	0.0	3.2	-3.2
45		V'CHAL -RIHAND	S/C	981	0	22.2	0.0	22.2
46		RAPP-SHUJALPUR	D/C	233	249	0	0	0
47	220 kV	BHANPURA-RANPUR	S/C	0	96	0.3	0.8	-0.5
48		BHANPURA-MORAK	S/C	18	135	0.0	1.5	-1.5
49		MEHGAON-AURAIYA	S/C	97	0	1.0	0.0	1.0
50		MALANPUR-AURAIYA	S/C	58	26	0.3	0.0	0.3
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.1	175.1	-133.0
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	2339	2534	0.0	46.6	-46.6
55		WARDHA-NIZAMABAD	D/C	0	3678	0.0	68.8	-68.8
56	400 kV	KOLHAPUR-KUDGI	D/C	885	0	12.4	0.0	12.4
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	93	0.0	1.4	-1.4
59		XELDEM-AMBEWADI	S/C	0	84	1.7	0.0	1.7
WR-SR						14.0	129.0	-114.9
TRANSNATIONAL EXCHANGE								
60		BHUTAN						2.7
61		NEPAL						-10.0
62		BANGLADESH						-13.7