



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 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 07.03.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th Mar 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 08-Mar-2020

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)	39437	48778	43643	15694	2380	149932
Peak Shortage (MW)	558	0	0	0	44	602
Energy Met (MU)	787	1166	1091	325	40	3410
Hydro Gen (MU)	134	30	91	30	6	291
Wind Gen (MU)	4	23	19	-	-	46
Solar Gen (MU)*	35.64	29.70	80.09	1.49	0.02	147
Energy Shortage (MU)	11.6	0.1	0.0	0.0	1.7	13
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41074 09:22	54570 11:25	50426 09:26	17650 18:40	2450 18:07	158892 09:56

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	0.036	0.00	0.00	4.73	4.73	72.35	22.92

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	4841	0	97.3	68.2	-0.4	340	0.0
	Haryana	5415	0	99.1	72.1	1.5	268	0.0
	Rajasthan	10542	0	193.9	53.2	-2.8	367	0.0
	Delhi	3517	0	59.9	44.5	-1.2	151	0.0
	UP	13388	0	218.8	105.0	2.2	1498	0.0
	Uttarakhand	1765	0	34.6	15.9	0.5	176	0.0
	HP	1656	0	30.5	22.7	0.6	246	0.0
	J&K(UT) and Ladakh(UT)	2329	582	49.2	43.8	-0.8	269	11.6
	Chandigarh	204	0	3.5	3.5	0.0	18	0.0
WR	Chhattisgarh	3384	0	72.2	50.9	-1.2	787	0.0
	Gujarat	15818	0	344.0	118.4	3.4	445	0.0
	MP	11537	0	221.5	110.7	-2.4	385	0.0
	Maharashtra	23287	0	486.1	150.8	-2.1	343	0.0
	Goa	493	0	10.4	10.0	-0.1	37	0.1
	DD	333	0	7.6	7.5	0.1	34	0.0
	DNH	812	0	19.1	19.1	0.0	73	0.0
	Essar steel	803	0	5.4	5.7	-0.3	236	0.0
	Andhra Pradesh	8950	0	185.7	89.0	0.2	396	0.0
SR	Telangana	12105	0	237.6	131.1	-0.1	1168	0.0
	Karnataka	12576	0	247.7	83.7	0.2	498	0.0
	Kerala	3745	0	79.5	60.2	1.3	244	0.0
	Tamil Nadu	14749	0	332.2	186.8	-0.7	441	0.0
	Pondy	392	0	8.2	8.4	-0.3	34	0.0
	Bihar	3807	0	64.8	60.5	-2.9	217	0.0
ER	DVC	2936	0	59.5	-32.8	0.6	257	0.0
	Jharkhand	1180	0	20.9	12.3	-0.9	156	0.0
	Odisha	3614	0	68.6	7.7	-0.5	233	0.0
	West Bengal	6300	0	109.7	28.1	-1.7	228	0.0
	Sikkim	113	0	1.5	1.8	-0.4	9	0.0
	Arunachal Pradesh	121	1	2.3	2.2	-0.1	46	0.0
NER	Assam	1361	22	22.2	18.3	0.4	145	1.5
	Manipur	197	2	2.7	2.7	-0.1	24	0.0
	Meghalaya	349	0	5.9	3.5	0.5	207	0.1
	Mizoram	106	1	1.6	1.3	0.1	42	0.0
	Nagaland	127	1	2.2	1.9	0.2	14	0.0
	Tripura	223	0	3.6	1.6	-0.2	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.7	-8.2	-14.8
Day peak (MW)	273.2	-503.1	-943.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	158.3	-238.5	176.1	-109.4	13.1	-0.3
Actual(MU)	142.9	-243.5	199.6	-127.0	17.4	-10.6
O/D/U/D(MU)	-15.4	-5.0	23.5	-17.7	4.3	-10.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5876	12410	6372	1395	1374	27426
State Sector	17685	14110	7735	5862	11	45403
Total	23561	26519	14107	7257	1385	72829

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	383	1226	557	453	7	2626
Lignite	16	16	51	0	0	83
Hydro	134	30	91	30	6	291
Nuclear	24	37	45	0	0	105
Gas, Naptha & Diesel	35	50	17	0	16	118
RES (Wind, Solar, Biomass & Others)	66	59	139	2	0	266
Total	659	1418	899	485	28	3488

Share of RES in total generation (%)	10.08	4.18	15.44	0.32	0.07	7.62
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.04	8.85	30.55	6.60	19.88	18.97

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
Based on State Max Demands	1.089

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

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 08-Mar-20

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)								
1	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	D/C	112	564	0.0	5.4	-5.4
4	765 kV	SASARAM-FATEHPUR	S/C	127	363	0.0	2.6	-2.6
5	765 kV	GAYA-BALIA	S/C	0	291	0.0	4.5	-4.5
6	400 kV	PUSAULI-VARANASI	S/C	0	217	0.0	4.4	-4.4
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	118	0.0	1.8	-1.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	263	177	0.0	0.8	-0.8
9	400 kV	PATNA-BALIA	Q/C	0	729	0.0	10.6	-10.6
10	400 kV	BIHARSHARIFF-BALIA	D/C	46	228	0.0	2.8	-2.8
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	491	0.0	6.2	-6.2
12	400 kV	BIHARSHARIFF-VARANASI	D/C	201	212	0.2	0.0	0.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	167	0.0	3.1	-3.1
14	132 kV	SONE NAGAR-RHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RHAND	S/C	30	0	0.1	0.0	0.1
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						0.3	48.3	-48.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1855	0	31.2	0.0	31.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	423	375	1.0	0.0	1.0
3	765 kV	JHARSUGUDA-DURG	D/C	62	241	0.0	2.4	-2.4
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	80	337	0.0	3.0	-3.0
5	400 kV	RANCHI-SIPAT	D/C	142	144	0.5	0.0	0.5
6	220 kV	BUDHIPADAR-RAIGARH	S/C	54	78	0.0	0.8	-0.8
7	220 kV	BUDHIPADAR-KORBA	D/C	99	33	0.3	0.0	0.3
ER-WR						33.0	6.2	26.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	694	0.0	16.6	-16.6
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2473	0.0	44.8	-44.8
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3052	0.0	62.5	-62.5
4	400 kV	TALCHER-IC	D/C	643	973	0.0	4.2	-4.2
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
ER-SR						0.0	123.9	-123.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	D/C	0	610	0.0	10.4	-10.4
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	0	920	0.0	15.9	-15.9
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	175	0.0	2.7	-2.7
ER-NER						0.0	29.0	-29.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.0	-11.0
NER-NR						0.0	11.0	-11.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	2.7	-2.7
2	HVDC	V'CHAL B/B	D/C	448	0	8.9	0.0	8.9
3	HVDC	APL -MHG	D/C	0	1080	0.0	26.7	-26.7
4	765 kV	GWALIOR-AGRA	D/C	0	2543	0.0	36.3	-36.3
5	765 kV	PHAGI-GWALIOR	D/C	0	1408	0.0	21.9	-21.9
6	765 kV	JABALPUR-ORAI	D/C	0	904	0.0	23.8	-23.8
7	765 kV	GWALIOR-ORAI	S/C	542	0	9.7	0.0	9.7
8	765 kV	SATNA-ORAI	S/C	0	1420	0.0	27.8	-27.8
9	765 kV	CHITORGARH-BANASKANTHA	D/C	404	657	2.9	2.3	0.6
10	400 kV	ZERDA-KANKROLI	S/C	186	48	1.8	0.0	1.8
11	400 kV	ZERDA -BHINMAL	S/C	158	126	0.8	0.0	0.8
12	400 kV	V'CHAL -RIHAND	S/C	976	0	22.6	0.0	22.6
13	400 kV	RAPP-SHUJALPUR	D/C	203	326	0.1	0.0	0.1
14	220 kV	BHANPURA-RANPUR	S/C	11	82	0.2	0.8	-0.6
15	220 kV	BHANPURA-MORAK	S/C	6	127	0.0	1.5	-1.5
16	220 kV	MEHGAON-AURAIYA	S/C	93	17	0.8	0.0	0.8
17	220 kV	MALANPUR-AURAIYA	S/C	69	34	0.5	0.1	0.4
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						48.2	143.9	-95.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1006	0.0	24.0	-24.0
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2717	0.0	45.2	-45.2
4	765 kV	WARDHA-NIZAMABAD	D/C	0	3140	0.0	59.4	-59.4
5	400 kV	KOLHAPUR-KUDGI	D/C	752	0	11.5	0.0	11.5
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	S/C	0	80	0.0	1.4	-1.4
8	220 kV	XELDEM-AMBEWADI	S/C	0	95	1.8	0.0	1.8
WR-SR						13.3	129.8	-116.5

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	DAGACHU (2 * 63)	0	0	0	0.0
	ER	CHUKA (4 * 84) BIRPARA RECEIPT	0	0	-63	-1.5
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	111	92	82	2.0
	ER	TALA (6 * 170) BINAGURI RECEIPT	87	0	30	0.7
	NER	132KV-SALAKATI - GELEPHU	16	0	-8	-0.2
NEPAL	NER	132KV-RANGIA - DEOTHANG	42	0	-14	-0.3
	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-1.0
	ER	132KV-BIHAR - NEPAL	-158	5	-40	-1.0
BANGLADESH	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-284	-78	-261	-6.3
	ER	Bheramara HVDC(Bangladesh)	-827	-216	-526	-12.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	58	0	-46	-1.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	58	0	-46	-1.1