



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: 09<sup>th</sup> Mar 2019

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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, 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 08.03.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-मार्च-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 08<sup>th</sup> March 2019, 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

9-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42045	47188	45612	17029	2329	154203
Peak Shortage (MW)	1329	0	0	0	160	1489
Energy Met (MU)	919	1137	1103	369	41	3570
Hydro Gen (MU)	134	30	83	31	4	283
Wind Gen (MU)	30	34	32	-----	-----	96
Solar Gen (MU)*	23.87	25.58	80.38	1.11	0.06	131
Energy Shortage (MU)	11.6	0.1	0.0	0.0	1.2	12.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43393 06:54	54470 10:56	48586 12:30	19228 18:49	2486 18:26	161636 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	0.054	0.00	0.91	13.61	14.53	75.32	10.15

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	5473	0	114.1	40.5	-1.4	43	0.0
	Haryana	6317	0	125.6	90.9	0.1	196	0.0
	Rajasthan	11355	0	228.5	51.7	-4.3	94	0.0
	Delhi	3791	0	64.0	58.7	-0.5	188	0.0
	UP	13034	700	269.8	118.1	0.7	305	0.0
	Uttarakhand	1968	0	36.8	19.8	0.1	177	0.0
	HP	1563	23	28.7	21.0	0.4	138	0.3
J&K	2517	629	47.9	39.8	0.7	332	11.3	
Chandigarh	206	0	3.3	3.6	-0.3	16	0.0	
WR	Chhattisgarh	4125	0	95.0	38.8	-1.0	301	0.1
	Gujarat	15466	0	337.4	105.8	3.3	371	0.0
	MP	11687	0	219.1	108.2	-1.5	549	0.0
	Maharashtra	20656	0	439.5	139.6	0.1	357	0.0
	Goa	517	0	12.1	10.1	1.6	47	0.0
	DD	328	0	7.5	7.1	0.4	79	0.0
	DNH	779	0	18.4	18.3	0.1	113	0.0
Essar steel	399	0	8.1	8.2	-0.1	277	0.0	
SR	Andhra Pradesh	8855	0	199.4	78.7	0.9	498	0.0
	Telangana	10299	0	223.4	105.7	0.6	492	0.0
	Karnataka	11932	0	243.4	80.6	-0.5	493	0.0
	Kerala	3846	0	80.4	58.0	0.3	194	0.0
	Tamil Nadu	15267	0	349.0	182.1	-0.2	485	0.0
	Pondy	383	0	7.8	7.7	0.1	67	0.0
ER	Bihar	4013	0	71.7	68.3	-0.7	460	0.0
	DVC	3096	0	65.3	-42.2	-0.2	396	0.0
	Jharkhand	1000	0	23.5	18.8	-0.9	169	0.0
	Odisha	4208	0	80.9	27.3	0.1	267	0.0
	West Bengal	6971	0	126.7	30.6	-0.3	309	0.0
NER	Sikkim	100	0	1.4	1.7	-0.2	18	0.0
	Arunachal Pradesh	126	2	2.4	2.2	0.2	41	0.0
	Assam	1415	19	22.8	18.7	0.4	199	1.0
	Manipur	197	3	2.5	2.7	-0.2	28	0.0
	Meghalaya	365	0	6.7	5.4	0.0	63	0.0
	Mizoram	98	2	1.7	1.4	0.1	21	0.0
	Nagaland	131	2	1.9	1.8	0.0	31	0.2
Tripura	210	1	3.3	1.5	-0.3	36	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-1.0	-6.5	-17.1
Day peak (MW)	6.4	-294.0	-883.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	159.2	-253.9	169.4	-83.1	8.3	-0.1
Actual(MU)	153.6	-253.2	172.6	-81.0	6.1	-2.0
O/D/U/D(MU)	-5.6	0.6	3.2	2.2	-2.3	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4575	12222	7252	1150	849	26048
State Sector	11195	16825	6230	3535	50	37835
Total	15770	29047	13482	4685	899	63882

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	496	1220	604	460	8	2789
Lignite	17	19	51	0	0	86
Hydro	134	30	83	31	4	283
Nuclear	28	31	32	0	0	91
Gas, Naptha & Diesel	22	43	16	0	23	103
RES (Wind, Solar, Biomass & Others)	86	62	156	1	0	305
Total	783	1404	942	492	35	3657

Share of RES in total generation (%)	10.95	4.44	16.56	0.24	0.17	8.35
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.68	8.79	28.80	6.48	11.45	18.56

H. Diversity Factor

All India Demand Diversity Factor	1.040
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Diversity factor = Sum of regional 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-Mar-19

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)
<b>Import/Export of ER (With NR)</b>								
1	765kV	GAYA-VARANASI	D/C	0	566	0.0	8.4	-8.4
2		SASARAM-FATEHPUR	S/C	0	314	0.0	4.7	-4.7
3		GAYA-BALIA	S/C	0	325	0.0	5.7	-5.7
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.5	-3.5
6	400 kV	PUSAULI-VARANASI	S/C	0	133	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	84	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	540	0.0	7.2	-7.2
9		PATNA-BALIA	Q/C	0	843	0.0	14.8	-14.8
10		BIHARSHARIFF-BALIA	D/C	0	293	0.0	5.1	-5.1
11		MOTIHARI-GORAKHPUR	D/C	0	345	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	70	192	0.0	2.1	-2.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	144	0.0	2.7	-2.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.6</b>	<b>64.2</b>	<b>-63.6</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1832	0	34.6	0.0	34.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	316	365	0.0	0.4	-0.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	113	192	0.0	0.2	-0.2
21		RANCHI-SIPAT	D/C	170	60	1.6	0.0	1.6
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	114	0.0	2.0	-2.0
23		BUDHIPADAR-KORBA	D/C	167	0	3.0	0.0	3.0
<b>ER-WR</b>						<b>39.2</b>	<b>2.6</b>	<b>36.6</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2146.0	0.0	45.5	-45.5
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	613.0	0.0	14.6	-14.6
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2454.0	0.0	51.8	-51.8
27	400 kV	TALCHER-I/C	D/C	0.0	491.0	0.0	6.6	-6.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>111.9</b>	<b>-111.9</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	293	139	3.5	0.0	3
30		ALIPURDUAR-BONGAIGAON	D/C	408	48	5.7	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	54	58	0.4	0.0	0
<b>ER-NER</b>						<b>9.6</b>	<b>0.0</b>	<b>9.6</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	661	16.3	0.0	16.3
<b>NER-NR</b>						<b>16.3</b>	<b>0.0</b>	<b>16.3</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1003	0.0	23.8	-23.8
34		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1736	0.0	36.4	-36.4
36	765 kV	GWALIOR-AGRA	D/C	0	2136	0.0	38.3	-38.3
37		PHAGI-GWALIOR	D/C	0	842	0.0	13.3	-13.3
38		JABALPUR-ORAI	D/C	0	567	0.0	19.6	-19.6
39		GWALIOR-ORAI	S/C	558	0	10.5	0.0	10.5
40		SATNA-ORAI	S/C	0	1235	0.0	26.0	-26.0
41		CHITORGARH-BANASKANTHA	D/C	0	0	4.0	0.0	4.0
42		ZERDA-KANKROLI	S/C	234	0	3.5	0.0	3.5
43	400 kV	ZERDA -BHINMAL	S/C	193	70	1.6	0.0	1.6
44		V'CHAL -RIHAND	S/C	961	0	20.9	0.0	20.9
45		RAPP-SHUJALPUR	D/C	65	141	0	0	0
46	220 kV	BADOD-KOTA	S/C	9	37	0.3	0.3	0.0
47		BADOD-MORAK	S/C	0	129	0.0	1.5	-1.5
48		MEHGAON-AURAIYA	S/C	96	0	1.2	0.0	1.2
49	MALANPUR-AURAIYA	S/C	55	8	0.4	0.0	0.4	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>48.3</b>	<b>159.4</b>	<b>-111.1</b>
<b>Import/Export of WR (With SR)</b>								
51	HVDC LINK	BHADRAWATI B/B	-	0	995	0.0	23.6	-23.6
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2306	0.0	44.6	-44.6
54		WARDHA-NIZAMABAD	D/C	0	2515	0.0	50.4	-50.4
55	400 kV	KOLHAPUR-KUDGI	D/C	734	0	12.1	0.0	12.1
56	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
57		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
58		XELDEM-AMBEWADI	S/C	1	55	1.0	0.0	1.0
<b>WR-SR</b>						<b>13.1</b>	<b>118.6</b>	<b>-105.6</b>
<b>TRANSNATIONAL EXCHANGE</b>								
59		BHUTAN						-1.0
60		NEPAL						-6.5
61		BANGLADESH						-17.1