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: 07th Mar 2019

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. मुख्य महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
   Chief General Manager, 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 06.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-मार्च-2019 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 06th 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** **7-Mar-19**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41130	47235	45628	16692	2420	153105
Peak Shortage (MW)	1081	0	0	100	54	1235
Energy Met (MU)	892	1126	1085	363	39	3506
Hydro Gen (MU)	142	31	62	33	4	272
Wind Gen (MU)	4	27	46	----------	----------	78
Solar Gen (MU)*	26.05	25.37	84.81	0.83	0.04	137
Energy Shortage (MU)	13.3	0.0	0.0	0.3	1.6	15.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42388	53316	47994	18987	2397	158806
	18:46	09:17	11:49	19:17	18:20	09:45

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	0.043	0.00	0.44	9.98	10.42	78.34	11.24

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	5208	0	107.7	37.6	-0.9	38	0.0
	Haryana	6080	0	121.2	91.7	1.0	246	1.0
	Rajasthan	11152	0	226.0	68.9	-0.3	301	0.0
	Delhi	3792	0	63.8	57.8	-0.4	204	0.0
	UP	13004	520	258.1	114.3	0.1	286	1.1
	Uttarakhand	1938	0	35.8	20.2	0.1	282	0.0
	HP	1632	0	29.3	20.4	1.0	145	0.0
	J&K	2277	569	46.9	40.6	-1.6	163	11.2
	Chandigarh	215	0	3.3	3.5	-0.2	13	0.0
WR	Chhattisgarh	4098	0	93.0	35.8	-0.8	299	0.0
	Gujarat	14961	0	330.1	94.4	1.4	454	0.0
	MP	11736	0	218.2	95.3	0.7	698	0.0
	Maharashtra	20785	0	441.4	136.8	0.7	704	0.0
	Goa	421	0	11.1	9.6	0.9	66	0.0
	DD	325	0	7.5	7.1	0.4	96	0.0
	DNH	792	0	18.4	18.2	0.3	137	0.0
	Essar steel	331	0	6.5	6.5	-0.1	239	0.0
SR	Andhra Pradesh	8884	0	193.0	74.5	0.3	551	0.0
	Telangana	9810	0	218.5	99.0	-0.7	592	0.0
	Karnataka	12094	0	242.5	90.7	-0.3	523	0.0
	Kerala	3890	0	79.2	61.8	0.6	175	0.0
	Tamil Nadu	15518	0	344.3	190.3	-1.6	462	0.0
	Pondy	382	0	8.0	8.2	-0.2	98	0.0
ER	Bihar	4007	0	71.4	67.0	1.0	460	0.0
	DVC	3008	0	65.3	-40.4	-0.3	396	0.0
	Jharkhand	1000	0	23.5	17.6	-0.2	169	0.0
	Odisha	4220	0	79.0	24.5	0.9	267	0.3
	West Bengal	6791	0	121.8	29.5	0.1	309	0.0
	Sikkim	100	0	1.6	1.7	-0.2	18	0.0
NER	Arunachal Pradesh	118	5	2.2	2.2	-0.1	27	0.0
	Assam	1393	29	21.1	16.8	0.6	89	1.5
	Manipur	192	5	2.6	2.7	-0.1	33	0.0
	Meghalaya	365	0	6.4	4.9	0.1	47	0.0
	Mizoram	98	3	1.7	1.5	0.0	7	0.0
	Nagaland	123	4	2.0	1.7	0.2	36	0.0
	Tripura	223	2	3.2	1.2	0.0	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.4	-6.5	-19.6
Day peak (MW)	133.0	-292.0	-973.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	176.4	-259.0	158.7	-78.6	2.1	-0.4
Actual(MU)	165.9	-254.9	155.8	-71.8	2.9	-2.1
O/D/U/D(MU)	-10.6	4.1	-2.8	6.8	0.8	-1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5285	13846	4522	1150	849	25652
State Sector	13645	15915	6330	3535	50	39475
Total	18930	29761	10852	4685	899	65126

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	477	1196	594	452	8	2727
Lignite	17	18	61	0	0	95
Hydro	142	31	62	33	4	272
Nuclear	28	30	35	0	0	93
Gas, Naptha & Diesel	18	41	17	0	27	102
RES (Wind, Solar, Biomass & Others)	61	57	171	1	0	290
Total	743	1373	939	486	39	3580

Share of RES in total generation (%)	8.23	4.16	18.21	0.18	0.10	8.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.08	8.62	28.52	7.05	10.41	18.31

H. Diversity Factor

All India Demand Diversity Factor	1.040

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.

कार्यपालक निदेशक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 7-Mar-19

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	Import=(+ve) /Export =(-ve) for NET (MU) NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	599	0.0	6.3	-6.3
2		SASARAM-FATEHPUR	S/C	0	340	0.0	5.2	-5.2
3		GAYA-BALIA	S/C	0	370	0.0	6.2	-6.2
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	148	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	123	0.0	2.4	-2.4
7		PUSAULI -ALLAHABAD	S/C	0	82	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	553	0.0	7.8	-7.8
9		PATNA-BALIA	Q/C	0	714	0.0	8.7	-8.7
10		BIHARSHARIFF-BALIA	D/C	0	309	0.0	5.5	-5.5
11		MOTIHARI-GORAKHPUR	D/C	0	308	0.0	5.5	-5.5
12		BIHARSHARIFF-VARANASI	D/C	14	216	0.0	2.2	-2.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	142	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
					ER-NR	**0.6**	**57.1**	**-56.5**
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1719	0	27.7	0.0	27.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	220	211	0.1	0.0	0.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	149	226	0.0	0.8	-0.8
21		RANCHI-SIPAT	D/C	173	2	2.3	0.0	2.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	125	0.0	2.1	-2.1
23		BUDHIPADAR-KORBA	D/C	201	0	3.3	0.0	3.3
					ER-WR	**33.3**	**2.9**	**30.4**
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2292.0	0.0	41.3	-41.3
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	15.0	-15.0
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	51.2	-51.2
27	400 kV	TALCHER-I/C	D/C	0.0	503.0	0.0	6.0	-6.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**107.4**	**-107.4**
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	312	0	5.1	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	424	0	6.3	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	71	23	1.0	0.0	1
					ER-NER	**12.4**	**0.0**	**12.4**
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	16.1	0.0	16.1
					NER-NR	**16.1**	**0.0**	**16.1**
Import/Export of WR (With NR)								
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	1740	0.0	43.5	-43.5
36	765 kV	GWALIOR-AGRA	D/C	0	1924	0.0	38.0	-38.0
37		PHAGI-GWALIOR	D/C	0	1053	0.0	16.1	-16.1
38		JABALPUR-ORAI	D/C	0	571	0.0	21.3	-21.3
39		GWALIOR-ORAI	S/C	529	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	0	1176	0.0	25.1	-25.1
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	0.0	0.0
42	400 kV	ZERDA-KANKROLI	S/C	167	3	2.5	0.0	2.5
43		ZERDA -BHINMAL	S/C	131	172	0.0	0.9	-0.9
44		V'CHAL -RIHAND	S/C	910	0	21.6	0.0	21.6
45		RAPP-SHUJALPUR	D/C	98	283	0	1	-1
46	220 kV	BADOD-KOTA	S/C	6	52	0.2	0.4	-0.1
47		BADOD-MORAK	S/C	0	143	0.0	1.8	-1.8
48		MEHGAON-AURAIYA	S/C	83	0	1.0	0.0	1.0
49		MALANPUR-AURAIYA	S/C	42	13	0.3	0.0	0.3
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**41.7**	**171.9**	**-130.2**
Import/Export of WR (With SR)								
51	HVDC LINK	BHADRAWATI B/B	-	0	995	0.0	23.8	-23.8
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2379	0.0	38.9	-38.9
54		WARDHA-NIZAMABAD	D/C	0	2514	0.0	42.9	-42.9
55	400 kV	KOLHAPUR-KUDGI	D/C	679	0	11.1	0.0	11.1
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	0	65	1.2	0.0	1.2
					WR-SR	**12.3**	**105.6**	**-93.3**
TRANSNATIONAL EXCHANGE								
59		BHUTAN						**0.4**
60		NEPAL						**-6.5**
61		BANGLADESH						**-19.6**