



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: 06th 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., डोंगतिह, 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 05.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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

6-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41139	47520	45762	16901	2282	153604
Peak Shortage (MW)	1173	0	0	0	181	1354
Energy Met (MU)	875	1122	1089	364	40	3490
Hydro Gen (MU)	144	30	62	32	4	272
Wind Gen (MU)	4	45	44	-----	-----	93
Solar Gen (MU)*	25.05	25.39	82.46	0.99	0.03	134
Energy Shortage (MU)	12.7	0.0	0.0	0.0	1.8	14.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42095 18:47	52705 09:00	47875 09:49	18365 18:20	2389 18:07	157786 09:26

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	0.074	0.20	1.40	20.80	22.40	68.15	9.46

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	5050	0	102.9	41.5	-1.3	62	0.0	
	Haryana	5969	0	116.5	87.5	0.1	150	0.0	
	Rajasthan	11271	0	225.9	69.0	-0.2	272	0.0	
	Delhi	3668	0	63.2	58.3	-1.6	129	0.0	
	UP	12759	650	252.8	119.8	0.8	394	1.3	
	Uttarakhand	1844	0	34.6	19.5	-0.4	175	0.0	
	HP	1505	0	28.2	20.8	-0.4	63	0.0	
	J&K	2413	603	48.4	42.1	-0.9	200	11.4	
WR	Chandigarh	179	0	3.0	3.6	-0.6	1	0.0	
	Chhattisgarh	4179	0	93.2	37.1	-1.3	955	0.0	
	Gujarat	14958	0	327.0	97.5	2.0	569	0.0	
	MP	11791	0	216.8	88.8	0.5	534	0.0	
	Maharashtra	21048	0	443.0	136.7	0.8	648	0.0	
	Goa	421	0	11.1	9.7	0.9	80	0.0	
	DD	317	0	6.7	6.6	0.2	90	0.0	
	DNH	779	0	18.1	18.1	0.1	107	0.0	
SR	Essar steel	355	0	6.4	6.6	-0.2	248	0.0	
	Andhra Pradesh	8666	0	192.6	70.3	-0.3	543	0.0	
	Telangana	10154	0	225.7	103.4	-1.1	738	0.0	
	Karnataka	12174	0	239.4	87.7	-1.2	570	0.0	
	Kerala	3859	0	78.9	61.6	0.6	188	0.0	
	Tamil Nadu	15414	0	343.9	189.8	-0.6	430	0.0	
	Pondy	391	0	8.5	8.5	-0.1	48	0.0	
	ER	Bihar	3887	0	71.9	68.6	1.5	460	0.0
DVC		3018	0	64.7	-44.1	0.4	396	0.0	
Jharkhand		1067	0	23.7	17.4	-0.5	169	0.0	
Odisha		4137	0	81.4	24.2	0.9	267	0.0	
West Bengal		6559	0	120.3	26.1	-0.2	309	0.0	
Sikkim		100	0	1.5	1.7	-0.2	18	0.0	
NER		Arunachal Pradesh	125	3	2.3	2.3	0.0	23	0.0
		Assam	1325	72	21.5	17.2	0.4	102	1.7
	Manipur	199	4	2.6	2.8	-0.2	33	0.0	
	Meghalaya	355	0	6.4	4.9	0.0	39	0.0	
	Mizoram	103	2	1.8	1.4	0.2	24	0.0	
	Nagaland	119	3	2.2	1.8	0.3	24	0.0	
	Tripura	207	1	3.2	1.2	-0.1	40	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.5	-6.8	-18.5
Day peak (MW)	59.0	-302.0	-988.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.7	-268.7	167.6	-86.2	2.1	-0.5
Actual(MU)	175.6	-270.1	164.7	-78.1	3.5	-4.5
O/D/U/D(MU)	-9.1	-1.4	-2.9	8.1	1.4	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4281	13486	4902	1460	486	24615
State Sector	13490	15045	6020	3695	50	38300
Total	17771	28531	10922	5155	536	62914

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	453	1209	597	451	8	2718
Lignite	19	18	57	0	0	94
Hydro	144	30	62	32	4	272
Nuclear	28	31	36	0	0	95
Gas, Naptha & Diesel	18	41	17	0	28	105
RES (Wind, Solar, Biomass & Others)	58	74	166	1	0	300
Total	720	1404	936	484	40	3584
Share of RES in total generation (%)	8.12	5.29	17.78	0.21	0.07	8.38
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.97	9.65	28.25	6.77	10.71	18.61

H. Diversity Factor

All India Demand Diversity Factor	1.036
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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 : 6-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)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	511	0.0	7.7	-7.7
2		SASARAM-FATEHPUR	S/C	0	404	0.0	5.8	-5.8
3		GAYA-BALIA	S/C	0	519	0.0	9.1	-9.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	148	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	119	0.0	2.0	-2.0
7		PUSAULI -ALLAHABAD	S/C	0	103	0.0	1.5	-1.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	595	0.0	7.9	-7.9
9		PATNA-BALIA	Q/C	0	697	0.0	10.5	-10.5
10		BIHARSHARIFF-BALIA	D/C	0	356	0.0	6.7	-6.7
11		MOTIHARI-GORAKHPUR	D/C	0	279	0.0	5.0	-5.0
12		BIHARSHARIFF-VARANASI	D/C	69	242	0.0	2.6	-2.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	136	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	0.6	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	65.0	-64.3
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1530	0	26.2	0.0	26.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	326	228	3.7	0.0	3.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	561	239	2.5	0.0	2.5
21		RANCHI-SIPAT	D/C	229	11	3.0	0.0	3.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	106	0.0	1.4	-1.4
23		BUDHIPADAR-KORBA	D/C	182	0	3.2	0.0	3.2
ER-WR						38.5	1.4	37.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2035.0	0.0	42.0	-42.0
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	15.9	-15.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2454.0	0.0	52.4	-52.4
27	400 kV	TALCHER-I/C	D/C	0.0	501.0	0.0	7.2	-7.2
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	110.3	-110.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	284	29	4.1	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	399	0	6.3	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	60	23	0.7	0.0	1
ER-NER						11.2	0.0	11.2
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	660	0	15.5	0.0	15.5
NER-NR						15.5	0.0	15.5
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1003	0.0	22.3	-22.3
34		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1737	0.0	36.3	-36.3
36	765 kV	GWALIOR-AGRA	D/C	0	2527	0.0	42.9	-42.9
37		PHAGI-GWALIOR	D/C	0	1285	0.0	17.2	-17.2
38		JABALPUR-ORAI	D/C	0	682	0.0	24.6	-24.6
39		GWALIOR-ORAI	S/C	666	0	9.4	0.0	9.4
40		SATNA-ORAI	S/C	0	1354	0.0	27.7	-27.7
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	0.0	0.0
42		ZERDA-KANKROLI	S/C	173	104	2.1	0.0	2.1
43	400 kV	ZERDA -BHINMAL	S/C	154	310	0.0	1.4	-1.4
44		V'CHAL -RIHAND	S/C	954	0	21.4	0.0	21.4
45		RAPP-SHUJALPUR	D/C	86	255	0	1	-1
46	220 kV	BADOD-KOTA	S/C	0	63	0.0	0.6	-0.6
47		BADOD-MORAK	S/C	0	152	0.0	2.1	-2.1
48		MEHGAON-AURAIYA	S/C	73	0	0.6	0.0	0.6
49	132kV	MALANPUR-AURAIYA	S/C	34	22	0.1	0.1	0.0
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.6	176.4	-136.9
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2223	0.0	40.2	-40.2
54		WARDHA-NIZAMABAD	D/C	0	2547	0.0	45.6	-45.6
55	400 kV	KOLHAPUR-KUDGI	D/C	745	0	9.0	0.0	9.0
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	63	1.2	0.0	1.2
WR-SR						10.2	109.8	-99.5
TRANSNATIONAL EXCHANGE								
59		BHUTAN						0.5
60		NEPAL						-6.8
61		BANGLADESH						-18.5