



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 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 03.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03rd 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

4-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	37981	43641	42215	16233	2362	142432
Peak Shortage (MW)	555	0	0	0	43	598
Energy Met (MU)	798	1072	1022	354	40	3287
Hydro Gen (MU)	142	23	59	25	4	253
Wind Gen (MU)	16	39	25	-----	-----	79
Solar Gen (MU)*	18.66	21.9	77.39	0.64	0.06	119
Energy Shortage (MU)	11.0	0.2	0.0	0.0	0.7	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	39400 19:00	50474 09:31	44330 09:39	18232 19:31	2362 18:18	148348 09:40

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	0.056	0.00	1.23	11.08	12.30	65.81	21.89

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	4894	0	93.1	40.3	-1.5	66	0.0	
	Haryana	4893	0	95.0	69.3	0.4	235	0.0	
	Rajasthan	11040	0	212.0	54.7	-2.3	282	0.0	
	Delhi	3743	0	60.2	55.2	-1.6	196	0.1	
	UP	12195	20	230.0	105.8	-0.8	251	0.0	
	Uttarakhand	1647	0	31.7	17.6	-0.9	94	0.0	
	HP	1534	1	26.9	19.3	0.3	99	0.1	
	J&K	2312	578	46.0	40.2	-1.5	68	10.8	
	Chandigarh	182	0	2.9	3.3	-0.4	12	0.0	
	WR	Chhattisgarh	3909	0	90.0	34.0	-1.0	210	0.2
Gujarat		14816	0	319.7	111.7	2.9	558	0.0	
MP		10978	0	203.8	81.9	-0.7	720	0.0	
Maharashtra		19509	0	419.7	130.7	0.7	644	0.0	
Goa		432	0	10.0	8.4	1.0	47	0.0	
DD		310	0	7.0	6.5	0.5	50	0.0	
DNH		763	0	18.0	17.8	0.2	47	0.0	
Essar steel		249	0	4.2	3.8	0.4	332	0.0	
SR		Andhra Pradesh	8355	0	189.7	70.0	0.0	450	0.0
		Telangana	9594	0	218.4	105.6	0.5	729	0.0
	Karnataka	10997	0	222.6	86.2	-1.1	438	0.0	
	Kerala	3551	0	71.5	60.4	0.7	155	0.0	
	Tamil Nadu	13882	0	312.9	167.3	-0.9	599	0.0	
	Pondy	341	0	7.4	7.6	-0.2	45	0.0	
ER	Bihar	3989	0	71.3	66.8	1.1	460	0.0	
	DVC	2918	0	62.7	-44.6	-0.1	396	0.0	
	Jharkhand	1006	0	22.9	16.8	0.0	169	0.0	
	Odisha	4425	0	86.8	29.3	1.5	267	0.0	
	West Bengal	5947	0	109.4	20.3	1.6	309	0.0	
	Sikkim	94	0	1.3	1.5	-0.2	18	0.0	
NER	Arunachal Pradesh	119	1	2.1	2.4	-0.3	33	0.0	
	Assam	1375	37	22.3	17.6	0.7	115	0.6	
	Manipur	185	2	2.4	2.6	-0.2	36	0.0	
	Meghalaya	357	0	6.4	5.2	0.0	44	0.0	
	Mizoram	90	1	1.5	1.5	-0.2	10	0.0	
	Nagaland	121	1	2.1	1.8	0.1	39	0.0	
	Tripura	211	3	3.1	1.4	-0.4	36	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.2	-6.7	-19.4
Day peak (MW)	18.2	-297.0	-980.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	157.9	-249.0	172.1	-77.4	1.7	5.4
Actual(MU)	145.8	-256.8	169.9	-63.7	2.8	-2.0
O/D/U/D(MU)	-12.1	-7.9	-2.3	13.7	1.2	-7.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5281	12786	5812	1530	571	25980
State Sector	12830	16240	6620	4115	50	39855
Total	18111	29026	12432	5645	621	65835

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	403	1155	564	434	7	2564
Lignite	16	17	46	0	0	80
Hydro	142	23	59	25	4	253
Nuclear	28	31	36	0	0	95
Gas, Naptha & Diesel	18	39	18	0	30	105
RES (Wind, Solar, Biomass & Others)	65	63	137	1	0	265
Total	672	1328	861	460	41	3362
Share of RES in total generation (%)	9.65	4.74	15.91	0.15	0.15	7.90
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.96	8.81	26.96	5.56	9.34	18.24

H. Diversity Factor

All India Demand Diversity Factor	1.043
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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 : 4-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	426	0.0	5.8	-5.8
2		SASARAM-FATEHPUR	S/C	0	343	0.0	4.2	-4.2
3		GAYA-BALIA	S/C	0	449	0.0	7.7	-7.7
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	116	0.0	2.1	-2.1
7		PUSAULI -ALLAHABAD	S/C	0	114	0.0	1.4	-1.4
8		MUZAFFARPUR-GORAKHPUR	D/C	0	533	0.0	6.5	-6.5
9		PATNA-BALIA	Q/C	0	644	0.0	9.5	-9.5
10		BIHARSHARIFF-BALIA	D/C	0	325	0.0	5.7	-5.7
11		MOTIHARI-GORAKHPUR	D/C	0	255	0.0	4.0	-4.0
12		BIHARSHARIFF-VARANASI	D/C	71	264	0.0	1.4	-1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	139	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	54.4	-53.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1714	0	32.2	0.0	32.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	365	216	2.9	0.0	2.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	119	225	0.0	0.6	-0.6
21		RANCHI-SIPAT	D/C	172	46	2.4	0.0	2.4
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	118	0.0	1.9	-1.9
23		BUDHIPADAR-KORBA	D/C	176	0	3.4	0.0	3.4
ER-WR						40.8	2.5	38.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1950.0	0.0	41.3	-41.3
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2456.0	0.0	51.0	-51.0
27	400 kV	TALCHER-I/C	D/C	0.0	541.0	0.0	6.2	-6.2
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	108.3	-108.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	432	101	5.6	0.0	6
30		ALIPURDUAR-BONGAIGAON	D/C	377	0	5.8	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	58	24	0.8	0.0	1
ER-NER						12.1	0.0	12.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	660	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	802	0.0	19.0	-19.0
34		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1598	0.0	39.9	-39.9
36	765 kV	GWALIOR-AGRA	D/C	0	2300	0.0	39.2	-39.2
37		PHAGI-GWALIOR	D/C	0	952	0.0	12.2	-12.2
38		JABALPUR-ORAI	D/C	0	643	0.0	19.0	-19.0
39		GWALIOR-ORAI	S/C	639	0	9.4	0.0	9.4
40		SATNA-ORAI	S/C	0	1287	0.0	25.0	-25.0
41		CHITORGARH-BANASKANTHA	D/C	0	0	6.1	0.0	6.1
42		ZERDA-KANKROLI	S/C	178	0	3.4	0.0	3.4
43	400 kV	ZERDA -BHINMAL	S/C	170	128	0.4	0.0	0.4
44		V'CHAL -RIHAND	S/C	966	0	19.5	0.0	19.5
45		RAPP-SHUJALPUR	D/C	154	233	0	1	-1
46	220 kV	BADOD-KOTA	S/C	48	48	0.8	1.2	-0.5
47		BADOD-MORAK	S/C	16	127	0.0	1.3	-1.3
48		MEHGAON-AURAIYA	S/C	72	0	0.6	0.0	0.6
49	132kV	MALANPUR-AURAIYA	S/C	39	21	0.2	0.1	0.1
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						46.5	157.8	-111.4
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	992	0.0	23.8	-23.8
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2438	0.0	45.5	-45.5
54		WARDHA-NIZAMABAD	D/C	0	2364	0.0	47.1	-47.1
55	400 kV	KOLHAPUR-KUDGI	D/C	563	0	8.2	0.0	8.2
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	56	1.0	0.0	1.0
WR-SR						9.2	116.5	-107.3
TRANSNATIONAL EXCHANGE								
59		BHUTAN						1.2
60		NEPAL						-6.7
61		BANGLADESH						-19.4