



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: 02ndMar 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., डोंगतेिह, 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 01.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01st 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

2-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43710	46506	44951	16086	2451	153704
Peak Shortage (MW)	1109	0	0	0	31	1140
Energy Met (MU)	916	1098	1089	345	41	3489
Hydro Gen (MU)	144	27	76	30	3	279
Wind Gen (MU)	18	35	25	-----	-----	78
Solar Gen (MU)*	21.90	26.72	77.84	1.18	0.05	128
Energy Shortage (MU)	12.0	0.3	0.0	0.0	0.7	12.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44624 19:25	52275 09:28	48258 11:28	18221 18:51	2451 19:01	158636 09:52

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	0.050	0.00	0.96	4.33	5.29	66.89	27.82

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	5356	0	106.8	39.9	-0.9	211	0.0
	Haryana	6080	0	123.7	85.5	0.7	154	0.0
	Rajasthan	11428	0	231.3	66.9	0.8	331	0.0
	Delhi	3952	0	65.4	60.7	-0.5	348	0.1
	UP	14458	370	268.0	116.1	0.9	572	0.0
	Uttarakhand	2002	0	37.0	21.9	0.0	206	0.0
	HP	1683	0	29.5	22.5	0.0	132	0.0
	J&K	2533	633	50.5	43.0	-0.4	362	11.9
WR	Chandigarh	223	0	3.4	3.7	-0.3	4	0.0
	Chhattisgarh	4092	0	92.3	37.6	-1.8	272	0.2
	Gujarat	14757	0	322.6	103.7	0.8	553	0.0
	MP	12008	0	222.6	99.6	-0.3	461	0.0
	Maharashtra	19833	0	420.9	134.4	0.1	545	0.0
	Goa	475	0	9.7	9.1	0.0	47	0.0
	DD	315	0	7.1	7.0	0.1	32	0.0
	DNH	750	0	17.7	17.9	-0.1	46	0.0
SR	Essar steel	452	0	5.4	4.7	0.7	327	0.0
	Andhra Pradesh	8678	0	192.9	93.3	1.1	561	0.0
	Telangana	10119	0	218.9	105.8	-0.4	630	0.0
	Karnataka	12476	0	251.6	85.9	-0.5	449	0.0
	Kerala	3749	0	77.0	61.1	0.8	253	0.0
	Tamil Nadu	15426	0	340.9	186.5	-0.2	469	0.0
	Pondy	386	0	8.1	8.2	-0.1	29	0.0
	Bihar	3969	0	69.1	64.6	0.9	460	0.0
ER	DVC	3021	0	62.5	-50.9	-0.5	396	0.0
	Jharkhand	1000	0	21.0	18.3	-0.1	169	0.0
	Odisha	3975	0	75.3	23.1	0.3	267	0.0
	West Bengal	6416	0	115.4	24.1	-0.4	309	0.0
	Sikkim	100	0	1.4	1.5	-0.1	18	0.0
NER	Arunachal Pradesh	112	3	2.1	2.6	-0.5	4	0.0
	Assam	1402	23	22.9	17.8	0.9	115	0.6
	Manipur	188	2	2.5	2.6	-0.1	17	0.0
	Meghalaya	353	0	6.7	5.0	0.1	52	0.0
	Mizoram	93	1	1.8	1.6	0.0	7	0.0
	Nagaland	128	2	2.1	1.8	0.2	30	0.0
Tripura	205	1	3.4	1.4	-0.4	39	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.3	-6.4	-16.4
Day peak (MW)	48.5	-294.0	-876.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	173.7	-263.4	167.7	-80.4	2.5	0.1
Actual(MU)	177.8	-280.2	168.9	-67.1	3.7	3.1
O/D/U/D(MU)	4.1	-16.8	1.3	13.4	1.1	3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4781	12126	5402	2190	571	25070
State Sector	11880	15644	7630	3725	50	38929
Total	16661	27770	13032	5915	621	63999

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	477	1201	598	424	8	2707
Lignite	19	16	51	0	0	87
Hydro	144	27	76	30	3	280
Nuclear	27	31	35	0	0	94
Gas, Naptha & Diesel	21	40	19	0	30	110
RES (Wind, Solar, Biomass & Others)	70	65	153	1	0	289
Total	758	1380	932	455	41	3566

Share of RES in total generation (%)	9.25	4.68	16.37	0.27	0.12	8.09
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.78	8.91	28.30	6.79	7.95	18.55

H. Diversity Factor

All India Demand Diversity Factor	1.045
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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 :	2-Mar-19	
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)		
								Import=(+ve) /Export =(-ve) for NET (MU)		
Import/Export of ER (With NR)										
1	765kV	GAYA-VARANASI	D/C	0	444	0.0	6.8	-6.8		
2		SASARAM-FATEHPUR	S/C	24	247	0.0	3.1	-3.1		
3		GAYA-BALIA	S/C	0	566	0.0	9.9	-9.9		
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0		
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.4	-3.4		
6		PUSAULI-VARANASI	S/C	0	133	0.0	2.5	-2.5		
7		PUSAULI-ALLAHABAD	S/C	0	79	0.0	1.0	-1.0		
8		MUZAFFARPUR-GORAKHPUR	D/C	0	617	0.0	9.0	-9.0		
9	400 kV	PATNA-BALIA	Q/C	0	496	0.0	7.0	-7.0		
10		BIHARSHARIFF-BALIA	D/C	0	398	0.0	7.5	-7.5		
11		MOTIHARI-GORAKHPUR	D/C	0	168	0.0	2.6	-2.6		
12		BIHARSHARIFF-VARANASI	D/C	69	223	0.0	1.9	-1.9		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	141	0.0	2.7	-2.7		
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0		
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5		
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0		
17	132 kV	KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0		
						ER-NR	0.5	57.2	-56.7	
Import/Export of ER (With WR)										
18		765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1652	0	32.9	0.0	32.9	
19	NEW RANCHI-DHARAMJAIGARH		D/C	511	71	4.8	0.0	4.8		
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	15	243	0.0	2.4	-2.4		
21		RANCHI-SIPAT	D/C	221	0	2.8	0.0	2.8		
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	111	0.0	1.8	-1.8		
23		BUDHIPADAR-KORBA	D/C	155	0	2.6	0.0	2.6		
						ER-WR	43.2	4.2	39.0	
Import/Export of ER (With SR)										
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2048.0	0.0	41.1	-41.1		
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	13.9	-13.9		
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	52.5	-52.5	
27	400 kV	TALCHER-I/C	D/C	0.0	573.0	0.0	9.6	-9.6		
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	349	17	4.8	0.0	5		
30		ALIPURDUAR-BONGAIGAON	D/C	458	0	6.9	0.0	7		
31	220 kV	ALIPURDUAR-SALAKATI	D/C	72	33	0.6	0.0	1		
						ER-NER	12.3	0.0	12.3	
Import/Export of NER (With NR)										
32	HVDC	BISWANATH CHARIALI-AGRA	-	673	0	16.3	0.0	16.3		
						NER-NR	16.3	0.0	16.3	
Import/Export of WR (With NR)										
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	810	0.0	19.1	-19.1		
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1		
35		APL -MHG	D/C	0	1737	0.0	40.8	-40.8		
36		765 kV	GWALIOR-AGRA	D/C	0	2430	0.0	45.9	-45.9	
37	PHAGI-GWALIOR		D/C	0	1112	0.0	18.8	-18.8		
38	JABALPUR-ORAI		D/C	0	743	0.0	27.0	-27.0		
39	GWALIOR-ORAI		S/C	610	0	11.0	0.0	11.0		
40	400 kV	SATNA-ORAI	S/C	0	1311	0.0	27.6	-27.6		
41		CHITORGARH-BANASKANTHA	D/C	487	0	2.8	0.0	2.8		
42		ZERDA-KANKROLI	S/C	114	8	1.6	0.0	1.6		
43		ZERDA -BHINMAL	S/C	107	160	0.0	1.2	-1.2		
44	220 kV	V'CHAL -RIHAND	S/C	964	0	21.7	0.0	21.7		
45		RAPP-SHUJALPUR	D/C	21	307	0	2	-2		
46		BADOD-KOTA	S/C	23	47	0.0	1.0	-1.0		
47		BADOD-MORAK	S/C	0	120	0.0	1.7	-1.7		
48	132kV	MEHGAON-AURAIYA	S/C	66	14	0.5	0.0	0.5		
49		MALANPUR-AURAIYA	S/C	27	38	0.1	0.2	-0.1		
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0		
						WR-NR	43.6	185.0	-141.4	
Import/Export of WR (With SR)										
51		HVDC	BHADRAWATI B/B	-	0	995	0.0	23.6	-23.6	
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0		
53		SOLAPUR-RAICHUR	D/C	0	2422	0.0	46.5	-46.5		
54	765 kV	WARDHA-NIZAMABAD	D/C	0	2582	0.0	49.2	-49.2		
55		400 kV	KOLHAPUR-KUDGI	D/C	757	0	11.8	0.0	11.8	
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	69	1.2	0.0	1.2		
						WR-SR	13.1	119.4	-106.3	
TRANSNATIONAL EXCHANGE										
59		BHUTAN						1.3		
60		NEPAL						-6.4		
61		BANGLADESH						-16.4		