



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: 05th 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., 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 04.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04th 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

5-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	39016	44295	44293	16710	2396	146710
Peak Shortage (MW)	1149	0	0	0	93	1242
Energy Met (MU)	855	1091	1067	364	42	3418
Hydro Gen (MU)	144	27	67	24	4	266
Wind Gen (MU)	11	50	29	-----	-----	90
Solar Gen (MU)*	21.69	24.3	76.59	0.99	0.03	124
Energy Shortage (MU)	11.8	0.0	0.0	0.0	0.7	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41054 09:48	51921 09:57	48346 09:43	18763 19:12	2446 18:43	158574 09:43

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	0.059	0.00	0.60	12.58	13.18	64.56	22.26

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	5061	0	99.2	41.4	-1.1	96	0.0	
	Haryana	5797	0	107.6	80.9	0.6	155	0.0	
	Rajasthan	11789	0	225.1	61.0	-0.9	246	0.0	
	Delhi	3943	0	62.0	58.4	-1.6	215	0.0	
	UP	11933	580	247.7	114.4	0.9	295	0.4	
	Uttarakhand	1890	0	33.6	19.7	-1.2	119	0.0	
	HP	1585	0	27.7	21.2	-0.8	91	0.0	
	J&K	2386	596	48.5	43.2	-1.2	411	11.4	
	Chandigarh	208	0	3.1	3.5	-0.4	2	0.0	
	WR	Chhattisgarh	3972	0	89.5	34.5	-1.8	254	0.0
Gujarat		14695	0	317.1	100.6	2.1	724	0.0	
MP		11515	0	210.6	88.4	-0.1	688	0.0	
Maharashtra		20878	0	435.0	134.4	1.4	435	0.0	
Goa		421	0	11.1	9.3	1.2	42	0.0	
DD		287	0	5.8	5.7	0.1	29	0.0	
DNH		761	0	17.9	18.0	-0.1	58	0.0	
Essar steel		237	0	3.9	3.2	0.6	259	0.0	
SR		Andhra Pradesh	8640	0	190.0	70.8	0.7	625	0.0
		Telangana	10505	0	220.9	106.2	0.5	613	0.0
	Karnataka	12381	0	237.1	86.5	-1.4	506	0.0	
	Kerala	3722	0	76.4	62.2	0.6	197	0.0	
	Tamil Nadu	15424	0	334.5	188.7	-1.1	504	0.0	
	Pondy	381	0	8.0	8.2	-0.1	47	0.0	
ER	Bihar	3874	0	67.6	62.5	2.6	460	0.0	
	DVC	3001	0	63.5	-47.0	-0.9	396	0.0	
	Jharkhand	1005	0	22.8	16.9	-0.3	169	0.0	
	Odisha	4345	0	88.8	31.1	1.6	267	0.0	
	West Bengal	6596	0	119.2	27.3	2.1	309	0.0	
	Sikkim	100	0	1.6	1.7	-0.1	18	0.0	
NER	Arunachal Pradesh	129	2	2.2	2.3	-0.1	58	0.0	
	Assam	1344	73	23.6	18.3	1.3	128	0.6	
	Manipur	195	3	2.5	2.6	-0.1	53	0.0	
	Meghalaya	367	0	6.5	5.1	0.1	36	0.0	
	Mizoram	101	1	1.6	1.5	-0.1	12	0.0	
	Nagaland	131	2	2.1	1.9	0.1	27	0.0	
	Tripura	216	1	3.4	1.2	0.1	44	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.8	-6.6	-19.9
Day peak (MW)	88.0	-299.0	-982.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	172.6	-262.9	166.3	-78.8	2.5	-0.2
Actual(MU)	169.0	-277.8	162.2	-65.5	6.4	-5.6
O/D/U/D(MU)	-3.6	-14.9	-4.0	13.3	3.9	-5.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4781	12126	5152	1260	571	23890
State Sector	13490	15295	6410	3015	50	38260
Total	18271	27421	11562	4275	621	62149

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	434	1168	598	441	7	2647
Lignite	19	18	56	0	0	93
Hydro	144	27	67	24	4	266
Nuclear	29	31	36	0	0	96
Gas, Naptha & Diesel	17	39	17	0	28	102
RES (Wind, Solar, Biomass & Others)	63	79	141	1	0	284
Total	705	1362	915	466	39	3488

Share of RES in total generation (%)	8.97	5.78	15.42	0.22	0.08	8.15
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.46	10.05	26.65	5.41	10.00	18.51

H. Diversity Factor

All India Demand Diversity Factor	1.025
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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 : 5-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	467	0.0	6.7	-6.7
2		SASARAM-FATEHPUR	S/C	0	360	0.0	4.9	-4.9
3		GAYA-BALIA	S/C	0	503	0.0	8.2	-8.2
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	114	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	102	0.0	1.7	-1.7
8		MUZAFFARPUR-GORAKHPUR	D/C	0	540	0.0	6.7	-6.7
9		PATNA-BALIA	Q/C	0	699	0.0	9.8	-9.8
10		BIHARSHARIFF-BALIA	D/C	0	376	0.0	6.1	-6.1
11		MOTIHARI-GORAKHPUR	D/C	0	290	0.0	4.7	-4.7
12		BIHARSHARIFF-VARANASI	D/C	74	195	0.0	1.2	-1.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	127	0.0	2.5	-2.5
14	132 kV	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		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
ER-NR						0.5	58.4	-57.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1766	0	33.0	0.0	33.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	496	194	3.6	0.0	3.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	147	129	0.2	0.0	0.2
21		RANCHI-SIPAT	D/C	212	26	2.0	0.0	2.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	103	0.0	1.7	-1.7
23		BUDHIPADAR-KORBA	D/C	186	0	3.4	0.0	3.4
ER-WR						42.2	1.7	40.5
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2050.0	0.0	39.2	-39.2
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	16.2	-16.2
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2464.0	0.0	52.1	-52.1
27	400 kV	TALCHER-I/C	D/C	0.0	498.0	0.0	6.9	-6.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	107.5	-107.5
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	285	74	3.5	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	391	0	5.7	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	55	29	0.6	0.0	1
ER-NER						9.9	0.0	9.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	660	16.8	0.0	16.8
NER-NR						16.8	0.0	16.8
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	802	0.0	18.8	-18.8
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1690	0.0	39.7	-39.7
36	765 kV	GWALIOR-AGRA	D/C	0	2456	0.0	44.4	-44.4
37		PHAGI-GWALIOR	D/C	26	1067	0.0	13.8	-13.8
38		JABALPUR-ORAI	D/C	0	758	0.0	24.5	-24.5
39		GWALIOR-ORAI	S/C	575	0	9.3	0.0	9.3
40		SATNA-ORAI	S/C	0	1324	0.0	27.3	-27.3
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	0.0	0.0
42		ZERDA-KANKROLI	S/C	237	38	0.0	2.9	-2.9
43	400 kV	ZERDA -BHINMAL	S/C	264	221	0.4	0.0	0.4
44		V'CHAL -RIHAND	S/C	950	0	20.5	0.0	20.5
45		RAPP-SHUJALPUR	D/C	216	285	1	0	1
46	220 kV	BADOD-KOTA	S/C	24	66	0.2	0.8	-0.5
47		BADOD-MORAK	S/C	16	178	0.0	1.8	-1.7
48		MEHGAON-AURAIYA	S/C	69	9	0.6	0.0	0.6
49	MALANPUR-AURAIYA	S/C	29	31	0.1	0.2	-0.1	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						37.9	174.1	-136.2
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	992	0.0	23.7	-23.7
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2435	0.0	43.5	-43.5
54		WARDHA-NIZAMABAD	D/C	0	2561	0.0	45.6	-45.6
55	400 kV	KOLHAPUR-KUDGI	D/C	750	0	10.6	0.0	10.6
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	62	1.1	0.0	1.1
WR-SR						11.7	112.8	-101.1
TRANSNATIONAL EXCHANGE								
59		BHUTAN						0.8
60		NEPAL						-6.6
61		BANGLADESH						-19.9