



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: 15th 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 14.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14th 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

15-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	40886	47261	47162	17886	2479	155674
Peak Shortage (MW)	811	0	0	0	22	833
Energy Met (MU)	890	1136	1104	409	43	3582
Hydro Gen (MU)	141	24	71	36	3	276
Wind Gen (MU)	13	44	44	-----	-----	102
Solar Gen (MU)*	23.54	24.44	83.52	0.84	-----	132
Energy Shortage (MU)	11.2	0.0	0.0	0.0	0.6	11.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42267 09:34	53228 10:59	48463 09:39	20679 19:01	2523 18:23	161468 19:01

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	0.035	0.00	0.01	6.28	6.30	80.54	13.16

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	5151	0	107.5	44.6	-1.3	110	0.0	
	Haryana	5818	0	115.7	69.4	-0.6	127	0.0	
	Rajasthan	10942	0	219.4	58.4	-2.4	120	0.0	
	Delhi	3581	0	61.4	55.5	-1.4	475	0.0	
	UP	12975	260	271.5	113.8	-0.3	369	0.0	
	Uttarakhand	1901	0	35.5	18.9	-0.6	157	0.0	
	HP	1591	15	29.2	20.9	0.1	102	0.1	
	J&K	2338	584	46.9	38.8	1.3	255	11.1	
	Chandigarh	195	0	3.3	3.5	-0.2	6	0.0	
	WR	Chhattisgarh	4239	0	94.5	49.5	-2.5	526	0.0
Gujarat		15141	0	332.3	101.4	1.5	1292	0.0	
MP		11035	0	212.2	101.5	-1.2	792	0.0	
Maharashtra		21232	0	452.8	136.2	0.2	528	0.0	
Goa		440	0	11.6	10.0	0.9	71	0.0	
DD		329	0	7.5	7.1	0.3	44	0.0	
DNH		799	0	18.7	18.7	0.0	70	0.0	
Essar steel		384	0	6.4	6.4	0.1	307	0.0	
SR		Andhra Pradesh	8724	0	197.4	59.2	-0.4	554	0.0
		Telangana	10121	0	228.0	112.4	-0.7	444	0.0
	Karnataka	12181	0	247.8	84.7	0.6	576	0.0	
	Kerala	3925	0	81.2	57.2	0.7	197	0.0	
	Tamil Nadu	15745	0	341.4	184.5	-0.8	417	0.0	
	Pondy	390	0	8.2	8.4	-0.2	28	0.0	
ER	Bihar	4338	0	76.4	71.5	-0.5	460	0.0	
	DVC	3200	0	66.4	-53.3	-0.2	396	0.0	
	Jharkhand	1000	0	22.1	17.3	-1.5	169	0.0	
	Odisha	4129	0	86.0	38.0	0.9	267	0.0	
	West Bengal	8136	0	156.5	48.1	0.6	309	0.0	
	Sikkim	98	0	1.3	1.8	-0.4	18	0.0	
NER	Arunachal Pradesh	129	1	2.3	2.4	0.0	51	0.0	
	Assam	1451	7	24.6	20.1	0.9	92	0.5	
	Manipur	185	2	2.4	2.6	-0.2	28	0.0	
	Meghalaya	366	0	6.1	5.3	0.0	41	0.0	
	Mizoram	94	0	1.7	1.4	0.1	5	0.0	
	Nagaland	117	2	2.1	1.9	0.1	8	0.0	
	Tripura	262	1	3.9	3.0	0.7	97	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.5	-15.1	-20.2
Day peak (MW)	41.1	-593.0	-1022.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	155.3	-247.9	159.7	-70.5	3.6	0.1
Actual(MU)	155.2	-250.5	159.8	-68.1	1.2	-2.4
O/D/U/D(MU)	-0.1	-2.6	0.1	2.4	-2.4	-2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5241	13266	5522	1310	555	25894
State Sector	12085	15600	5090	3705	50	36530
Total	17326	28866	10612	5015	604	62423

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	478	1209	618	483	10	2797
Lignite	23	18	46	0	0	87
Hydro	141	24	71	36	3	276
Nuclear	28	31	30	0	0	89
Gas, Naptha & Diesel	26	42	17	0	29	114
RES (Wind, Solar, Biomass & Others)	68	73	170	1	0	311
Total	764	1397	952	520	42	3675
Share of RES in total generation (%)	8.85	5.20	17.89	0.17	0.07	8.48
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.03	9.18	28.51	7.02	8.00	18.41

H. Diversity Factor

All India Demand Diversity Factor	1.035
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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 : 15-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	600	0.0	7.7	-7.7
2		SASARAM-FATEHPUR	S/C	0	248	0.0	3.5	-3.5
3		GAYA-BALIA	S/C	0	371	0.0	7.0	-7.0
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	51	59	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	68	31	0.8	0.0	0.8
8		MUZAFFARPUR-GORAKHPUR	D/C	13	743	0.0	8.8	-8.8
9		PATNA-BALIA	Q/C	0	999	0.0	17.8	-17.8
10		BIHARSHARIFF-BALIA	D/C	0	413	0.0	8.1	-8.1
11		MOTIHARI-GORAKHPUR	D/C	0	309	0.0	6.0	-6.0
12		BIHARSHARIFF-VARANASI	D/C	125	268	0.0	2.0	-2.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	154	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	0	0	0.0	0.0	0.0
ER-NR						1.4	63.4	-62.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1907	0	34.5	0.0	34.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	358	238	3.3	0.0	3.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	77	296	0.0	1.7	-1.7
21		RANCHI-SIPAT	D/C	195	29	2.7	0.0	2.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	108	0.0	1.5	-1.5
23		BUDHIPADAR-KORBA	D/C	216	0	3.7	0.0	3.7
ER-WR						44.2	3.2	41.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1866.0	0.0	38.3	-38.3
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	615.0	0.0	14.6	-14.6
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2447.0	0.0	50.1	-50.1
27	400 kV	TALCHER-I/C	D/C	0.0	638.0	0.0	5.1	-5.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	103.1	-103.1
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	340	66	3.4	0.0	3
30		ALIPURDUAR-BONGAIGAON	D/C	462	11	6.8	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	64	48	0.7	0.0	1
ER-NER						10.9	0.0	10.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	658	0	13.1	0.0	13.1
NER-NR						13.1	0.0	13.1
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	0.0	0.0
34		V'CHAL B/B	D/C	244	0	4.7	0.0	4.7
35		APL -MHG	D/C	0	1738	0.0	46.4	-46.4
36	765 kV	GWALIOR-AGRA	D/C	0	2234	0.0	42.6	-42.6
37		PHAGI-GWALIOR	D/C	0	1132	0.0	18.9	-18.9
38		JABALPUR-ORAI	D/C	0	662	0.0	20.2	-20.2
39		GWALIOR-ORAI	S/C	575	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	0	1320	0.0	31.1	-31.1
41		CHITORGARH-BANASKANTHA	D/C	0	0	11.0	0.0	11.0
42		ZERDA-KANKROLI	S/C	149	0	3.5	0.0	3.5
43	400 kV	ZERDA -BHINMAL	S/C	188	104	1.2	0.0	1.2
44		V'CHAL -RIHAND	S/C	968	0	22.0	0.0	22.0
45		RAPP-SHUJALPUR	D/C	145	135	0	0	0
46	220 kV	BADOD-KOTA	S/C	10	40	0.2	0.6	-0.4
47		BADOD-MORAK	S/C	0	113	0.0	1.1	-1.1
48		MEHGAON-AURAIYA	S/C	117	0	1.7	0.0	1.7
49	132kV	MALANPUR-AURAIYA	S/C	54	13	0.5	0.0	0.5
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						55.0	160.9	-105.8
Import/Export of WR (With SR)								
51	HVDC LINK	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2207	0.0	40.0	-40.0
54		WARDHA-NIZAMABAD	D/C	0	2457	0.0	50.3	-50.3
55	400 kV	KOLHAPUR-KUDGI	D/C	809	0	9.2	0.0	9.2
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	64	1.2	0.0	1.2
WR-SR						10.4	113.9	-103.6
TRANSNATIONAL EXCHANGE								
59		BHUTAN						0.5
60		NEPAL						-15.1
61		BANGLADESH						-20.2