



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: 19th 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 18.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18th 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

19-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42194	47983	46726	19617	2381	158901
Peak Shortage (MW)	781	20	130	0	117	1048
Energy Met (MU)	930	1131	1092	369	42	3564
Hydro Gen (MU)	138	30	79	28	3	278
Wind Gen (MU)	4	39	30	-----	-----	73
Solar Gen (MU)*	20.54	26.40	85.40	0.98	-----	133
Energy Shortage (MU)	10.9	0.1	0.1	0.0	1.0	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43487 19:01	52456 11:32	47710 11:44	19715 19:09	2374 18:58	162223 19:15

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	0.038	0.00	0.00	4.21	4.21	67.96	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	6370	0	124.5	48.0	-0.8	41	0.0
	Haryana	6082	0	123.4	76.3	0.3	210	0.0
	Rajasthan	10898	0	220.5	69.3	-0.6	263	0.0
	Delhi	3387	0	61.6	39.8	-1.2	209	0.0
	UP	13937	230	289.0	124.5	-0.2	509	0.0
	Uttarakhand	1811	0	35.5	23.0	0.2	132	0.0
	HP	1507	0	26.6	17.8	0.5	154	0.1
	J&K	2206	552	46.2	37.6	0.1	236	10.9
WR	Chandigarh	175	0	3.0	3.3	-0.3	7	0.0
	Chhattisgarh	4009	0	81.1	21.4	-2.2	577	0.0
	Gujarat	15539	0	342.9	105.9	5.4	785	0.0
	MP	10402	0	203.6	84.7	0.6	668	0.0
	Maharashtra	21568	0	457.5	145.7	2.3	470	0.0
	Goa	499	20	9.8	9.7	0.1	77	0.1
	DD	321	0	7.3	7.0	0.2	81	0.0
	DNH	795	0	18.3	18.3	0.0	94	0.0
SR	Essar steel	541	0	11.2	10.7	0.5	289	0.0
	Andhra Pradesh	8665	0	192.4	62.5	0.3	561	0.0
	Telangana	9913	0	225.2	96.4	-0.8	527	0.0
	Karnataka	12380	0	247.7	74.0	0.9	767	0.0
	Kerala	3889	100	80.3	54.4	1.0	208	0.0
	Tamil Nadu	15692	0	338.2	185.2	-0.3	575	0.0
	Pondy	379	30	7.9	8.1	-0.2	64	0.1
	Bihar	4298	0	76.7	72.5	-1.6	460	0.0
ER	DVC	3171	0	66.0	-48.6	0.5	396	0.0
	Jharkhand	1118	0	20.6	14.2	-0.8	169	0.0
	Odisha	4139	0	75.7	32.5	1.4	267	0.0
	West Bengal	7357	0	129.3	32.6	1.9	309	0.0
	Sikkim	86	0	0.9	1.3	-0.3	18	0.0
	NER	Arunachal Pradesh	107	2	2.2	1.9	0.3	59
Assam		1415	80	23.7	20.1	0.2	128	0.9
Manipur		169	2	2.4	2.4	0.1	26	0.0
Meghalaya		342	0	6.1	5.3	0.0	56	0.0
Mizoram		94	2	1.8	1.4	0.2	6	0.0
Nagaland		113	2	2.1	1.9	0.2	19	0.0
Tripura		249	4	3.9	2.0	-0.6	52	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-6.8	-20.3
Day peak (MW)	179.8	-299	-1093.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	178.8	-268.6	154.0	-68.2	3.9	0.0
Actual(MU)	181.8	-278.8	157.8	-65.2	0.9	-3.5
O/D/U/D(MU)	3.0	-10.3	3.8	3.0	-3.1	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6461	13246	6022	1310	570	27609
State Sector	12745	15605	4290	4005	50	36695
Total	19206	28851	10312	5315	619	64303

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	484	1246	619	445	8	2803
Lignite	27	17	39	0	0	83
Hydro	138	30	79	28	3	278
Nuclear	23	31	31	0	0	86
Gas, Naptha & Diesel	34	41	17	0	29	122
RES (Wind, Solar, Biomass & Others)	56	68	156	1	0	281
Total	763	1433	943	474	41	3653
Share of RES in total generation (%)	7.38	4.73	16.59	0.21	0.07	7.71
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.49	8.97	28.33	6.04	7.52	17.65

H. Diversity Factor

All India Demand Diversity Factor	1.022
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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 : 19-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	713	0.0	9.7	-9.7
2		SASARAM-FATEHPUR	S/C	0	247	0.0	3.5	-3.5
3		GAYA-BALIA	S/C	0	409	0.0	8.0	-8.0
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	4	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	59	31	0.4	0.0	0.4
7		PUSAULI -ALLAHABAD	S/C	63	62	0.5	0.0	0.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	797	0.0	9.4	-9.4
9		PATNA-BALIA	Q/C	0	1055	0.0	17.2	-17.2
10		BIHARSHARIFF-BALIA	D/C	0	474	0.0	8.0	-8.0
11		MOTIHARI-GORAKHPUR	D/C	0	323	0.0	6.0	-6.0
12		BIHARSHARIFF-VARANASI	D/C	55	320	0.0	2.6	-2.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	128	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	0.6	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						1.5	66.9	-65.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2172	0	39.2	0.0	39.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	447	56	5.8	0.0	5.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	263	0	3.7	0.0	3.7
21		RANCHI-SIPAT	D/C	239	0	0.0	0.0	0.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	97	0.0	1.5	-1.5
23		BUDHIPADAR-KORBA	D/C	208	0	3.5	0.0	3.5
ER-WR						52.1	1.5	50.6
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1890.0	0.0	37.4	-37.4
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	615.0	0.0	14.6	-14.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	51.7	-51.7
27	400 kV	TALCHER-I/C	D/C	0.0	788.0	0.0	8.2	-8.2
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	103.7	-103.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	259	40	4.0	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	378	0	6.5	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	57	34	0.6	0.0	1
ER-NER						11.1	0.0	11.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	598	0	12.7	0.0	12.7
NER-NR						12.7	0.0	12.7
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	8.8	-8.8
34		V'CHAL B/B	D/C	245	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	2099	0.0	49.9	-49.9
36	765 kV	GWALIOR-AGRA	D/C	0	2260	0.0	42.1	-42.1
37		PHAGI-GWALIOR	D/C	0	1385	0.0	21.1	-21.1
38		JABALPUR-ORAI	D/C	0	744	0.0	25.3	-25.3
39		GWALIOR-ORAI	S/C	596	0	10.7	0.0	10.7
40		SATNA-ORAI	S/C	0	1353	0.0	27.7	-27.7
41		CHITORGARH-BANASKANTHA	D/C	438	0	4.3	0.0	4.3
42		ZERDA-KANKROLI	S/C	167	0	2.7	0.0	2.7
43	400 kV	ZERDA -BHINMAL	S/C	99	106	0.0	0.0	0.0
44		V'CHAL -RIHAND	S/C	979	0	21.7	0.0	21.7
45		RAPP-SHUJALPUR	D/C	1	328	0	1	-1
46	220 kV	BADOD-KOTA	S/C	37	40	0.2	0.4	-0.3
47		BADOD-MORAK	S/C	2	96	0.0	1.0	-1.0
48		MEHGAON-AURAIYA	S/C	98	0	1.5	0.0	1.5
49	MALANPUR-AURAIYA	S/C	39	11	0.4	0.0	0.4	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						47.4	177.7	-130.3
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	2294	0.0	37.2	-37.2
54		WARDHA-NIZAMABAD	D/C	0	2522	0.0	45.9	-45.9
55	400 kV	KOLHAPUR-KUDGI	D/C	582	0	7.9	0.0	7.9
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	46	0.9	0.0	0.9
WR-SR						8.9	106.9	-98.0
TRANSNATIONAL EXCHANGE								
59		BHUTAN						2.0
60		NEPAL						-11.6
61		BANGLADESH						-20.3