



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: 26th Mar 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- 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
- 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 25.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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

26-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41093	48678	46648	20613	2306	159338
Peak Shortage (MW)	629	0	0	0	210	839
Energy Met (MU)	910	1166	1113	412	43	3644
Hydro Gen (MU)	141	26	81	39	4	291
Wind Gen (MU)	12	51	30	-----	-----	94
Solar Gen (MU)*	22.11	23.36	59.56	1.04	0.05	106
Energy Shortage (MU)	10.8	0.0	0.0	0.0	0.4	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43199 19:16	53176 11:44	48693 22:16	20808 19:45	2463 18:05	163017 19:16

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	0.35	6.01	6.35	76.11	17.53

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	5549	0	118.3	53.9	-1.4	231	0.0	
	Haryana	5899	0	117.7	71.8	0.4	360	0.0	
	Rajasthan	10199	0	209.5	67.1	-1.4	737	0.0	
	Delhi	3273	0	61.7	55.7	-0.9	120	0.0	
	UP	14229	0	291.7	131.5	0.7	78	0.0	
	Uttarakhand	1753	0	35.2	18.7	0.0	147	0.0	
	HP	1488	0	26.9	15.8	1.2	226	0.0	
	J&K	2357	589	45.8	37.7	0.0	300	10.8	
	Chandigarh	184	0	3.1	3.1	0.0	1	0.0	
	WR	Chhattisgarh	4142	0	94.2	36.1	-0.9	405	0.0
Gujarat		16058	0	351.5	111.8	1.3	493	0.0	
MP		9967	0	199.3	62.3	-1.4	651	0.0	
Maharashtra		21716	0	471.3	147.1	-0.4	572	0.0	
Goa		502	0	12.4	10.2	1.7	73	0.0	
DD		322	0	7.3	6.8	0.4	40	0.0	
DNH		794	0	18.3	18.3	0.1	56	0.0	
Essar steel		575	0	11.6	11.3	0.4	282	0.0	
SR		Andhra Pradesh	8840	0	197.7	64.6	0.0	801	0.0
		Telangana	10133	0	223.9	106.1	-0.2	416	0.0
	Karnataka	12600	0	252.5	85.0	-0.1	646	0.0	
	Kerala	4194	0	84.7	58.6	0.8	209	0.0	
	Tamil Nadu	16129	0	345.9	189.8	-0.4	499	0.0	
	Pondy	399	0	8.5	8.6	-0.1	38	0.0	
	ER	Bihar	4344	0	79.5	74.3	0.0	460	0.0
DVC		3177	0	67.1	-49.9	-0.7	396	0.0	
Jharkhand		1233	0	24.7	19.2	-0.1	169	0.0	
Odisha		4433	0	87.1	34.2	1.2	267	0.0	
West Bengal		8029	0	152.1	39.9	-0.4	309	0.0	
Sikkim		100	0	1.3	1.4	-0.1	18	0.0	
NER	Arunachal Pradesh	102	2	2.0	1.9	0.1	35	0.0	
	Assam	1464	34	24.8	19.5	1.4	180	0.4	
	Manipur	180	3	2.1	2.4	-0.2	31	0.0	
	Meghalaya	341	0	5.7	4.9	0.1	58	0.0	
	Mizoram	92	1	1.7	1.3	0.2	14	0.0	
	Nagaland	115	2	2.7	1.8	0.1	23	0.0	
	Tripura	243	1	3.9	3.1	-0.1	48	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-10.2	-23.5
Day peak (MW)	148.4	-512.0	-1140.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.3	-284.6	163.7	-76.5	2.2	0.0
Actual(MU)	187.7	-289.1	161.9	-70.9	1.2	-9.2
O/D/U/D(MU)	-7.5	-4.5	-1.9	5.6	-1.0	-9.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6291	13523	5902	810	656	27183
State Sector	12210	13785	4280	3315	41	33631
Total	18501	27308	10182	4125	697	60813

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	458	1279	623	484	9	2853
Lignite	25	17	52	0	0	94
Hydro	141	26	81	39	4	291
Nuclear	23	31	37	0	0	91
Gas, Naptha & Diesel	21	38	16	0	30	105
RES (Wind, Solar, Biomass & Others)	65	80	148	1	0	294
Total	732	1471	958	524	43	3728

Share of RES in total generation (%)	8.84	5.45	15.49	0.21	0.12	7.90
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.23	9.35	27.79	7.61	9.40	18.14

H. Diversity Factor

All India Demand Diversity Factor	1.033
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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 : 26-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	679	0.0	10.5	-10.5
2		SASARAM-FATEHPUR	S/C	0	166	0.0	2.6	-2.6
3		GAYA-BALIA	S/C	0	357	0.0	6.5	-6.5
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	109	0	1.8	0.0	1.8
7		PUSAULI -ALLAHABAD	S/C	61	14	0.6	0.0	0.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	795	0.0	9.2	-9.2
9		PATNA-BALIA	Q/C	0	908	0.0	15.3	-15.3
10		BIHARSHARIFF-BALIA	D/C	0	363	0.0	6.1	-6.1
11		MOTIHARI-GORAKHPUR	D/C	0	333	0.0	6.5	-6.5
12		BIHARSHARIFF-VARANASI	D/C	0	309	0.0	3.5	-3.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.7	-2.7
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						3.0	62.8	-59.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1792	0	33.8	0.0	33.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	402	139	4.4	0.0	4.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	200	75	1.6	0.0	1.6
21		RANCHI-SIPAT	D/C	167	15	2.2	0.0	2.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	10	71	0.0	1.0	-1.0
23		BUDHIPADAR-KORBA	D/C	134	0	2.3	0.0	2.3
ER-WR						44.2	1.0	43.2
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2031.0	0.0	39.9	-39.9
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	16.0	-16.0
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2449.0	0.0	50.5	-50.5
27	400 kV	TALCHER-I/C	D/C	0.0	615.0	0.0	5.5	-5.5
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	106.4	-106.4
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	319	112	2.6	0.0	3
30		ALIPURDUAR-BONGAIGAON	D/C	453	33	5.2	0.0	5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	29	86	0.0	0.4	0
ER-NER						7.7	0.4	7.4
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	1	658	9.4	0.0	9.4
NER-NR						9.4	0.0	9.4
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	321	0.0	7.8	-7.8
34		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1552	0.0	38.7	-38.7
36	765 kV	GWALIOR-AGRA	D/C	0	2468	0.0	46.6	-46.6
37		PHAGI-GWALIOR	D/C	0	1392	0.0	24.1	-24.1
38		JABALPUR-ORAI	D/C	0	738	0.0	29.2	-29.2
39		GWALIOR-ORAI	S/C	602	0	11.0	0.0	11.0
40		SATNA-ORAI	S/C	0	1396	0.0	30.0	-30.0
41		CHITORGARH-BANASKANTHA	D/C	0	0	1.6	0.0	1.6
42		ZERDA-KANKROLI	S/C	157	37	1.5	0.0	1.5
43	400 kV	ZERDA -BHINMAL	S/C	99	175	0.0	0.3	-0.3
44		V'CHAL -RIHAND	S/C	977	0	22.1	0.0	22.1
45		RAPP-SHUJALPUR	D/C	0	358	0	3	-3
46	220 kV	BADOD-KOTA	S/C	0	84	0.0	1.6	-1.6
47		BADOD-MORAK	S/C	0	128	0.0	2.1	-2.1
48		MEHGAON-AURAIYA	S/C	76	20	0.9	0.0	0.9
49	MALANPUR-AURAIYA	S/C	24	42	0.1	0.2	-0.2	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.2	183.2	-140.0
Import/Export of WR (With SR)								
51	HVDC LINK	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2265	0.0	40.7	-40.7
54		WARDHA-NIZAMABAD	D/C	0	2556	0.0	50.3	-50.3
55	400 kV	KOLHAPUR-KUDGI	D/C	675	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	61	1.2	0.0	1.2
WR-SR						11.8	114.9	-103.1
TRANSNATIONAL EXCHANGE								
59		BHUTAN						1.8
60		NEPAL						-10.2
61		BANGLADESH						-23.5