



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: 27th 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 26.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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

27-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41216	50053	47131	19254	2173	159827
Peak Shortage (MW)	515	0	0	0	341	856
Energy Met (MU)	917	1187	1137	395	42	3677
Hydro Gen (MU)	144	33	87	39	4	307
Wind Gen (MU)	8	52	35	-----	-----	95
Solar Gen (MU)*	29.74	26.34	83.78	0.78	0.04	141
Energy Shortage (MU)	10.7	0.3	0.0	0.0	2.4	13.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43397 19:29	53660 11:21	49162 15:42	19913 19:24	2207 20:03	163411 19:47

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	0.048	0.00	1.26	4.76	6.02	65.81	28.17

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	6072	0	123.5	54.5	-1.8	27	0.0	
	Haryana	5951	0	123.4	75.5	0.5	184	0.0	
	Rajasthan	10124	0	216.3	66.2	-0.3	246	0.0	
	Delhi	3370	0	64.3	55.4	-0.5	164	0.0	
	UP	14515	0	279.4	132.1	-0.1	342	0.0	
	Uttarakhand	1766	0	35.2	17.7	-0.8	153	0.0	
	HP	1461	0	26.2	16.2	0.5	211	0.0	
	J&K	2357	589	45.1	37.9	-1.6	256	10.6	
	Chandigarh	178	0	3.1	3.3	-0.2	15	0.0	
	WR	Chhattisgarh	4239	0	96.0	37.7	-0.7	225	0.3
Gujarat		15956	0	355.6	102.7	1.5	710	0.0	
MP		9784	0	200.8	64.2	-0.8	686	0.0	
Maharashtra		22291	0	484.0	150.2	0.1	489	0.0	
Goa		502	0	12.4	10.1	1.7	58	0.0	
DD		327	0	7.4	7.0	0.5	89	0.0	
DNH		781	0	18.2	18.3	-0.1	57	0.0	
Essar steel		614	0	12.4	13.1	-0.7	237	0.0	
SR		Andhra Pradesh	8885	0	197.6	64.7	0.2	508	0.0
		Telangana	10272	0	229.2	101.7	-0.4	402	0.0
	Karnataka	12472	0	273.3	86.2	0.7	492	0.0	
	Kerala	4211	0	86.3	58.7	0.8	169	0.0	
	Tamil Nadu	15879	0	341.9	193.4	0.2	418	0.0	
	Pondy	396	0	8.4	8.6	-0.2	51	0.0	
ER	Bihar	3940	0	62.1	57.7	-0.5	460	0.0	
	DVC	3203	0	64.7	-52.2	-0.6	396	0.0	
	Jharkhand	1054	0	23.1	17.0	0.5	169	0.0	
	Odisha	4805	0	98.4	42.1	2.2	267	0.0	
	West Bengal	7174	0	145.2	39.4	-0.3	309	0.0	
NER	Sikkim	95	0	1.5	1.7	-0.2	18	0.0	
	Arunachal Pradesh	105	2	2.2	2.0	0.1	33	0.0	
	Assam	1230	45	23.2	18.7	1.3	120	2.0	
	Manipur	178	2	2.3	2.3	-0.1	35	0.0	
	Meghalaya	307	0	5.5	4.8	0.0	45	0.0	
	Mizoram	95	3	1.9	1.2	0.5	21	0.1	
	Nagaland	130	2	2.7	1.8	0.2	30	0.1	
	Tripura	239	5	3.8	2.7	0.1	51	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.4	-8.6	-21.6
Day peak (MW)	275.7	-536.2	-1007.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.4	-280.0	158.0	-74.5	2.0	0.9
Actual(MU)	192.6	-285.0	161.2	-71.8	5.1	2.1
O/D/U/D(MU)	-2.8	-5.1	3.2	2.7	3.1	1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	7001	13176	5152	810	601	26741
State Sector	12500	13365	4490	3525	71	33951
Total	19501	26541	9642	4335	672	60692

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	457	1279	643	464	9	2852
Lignite	23	18	52	0	0	92
Hydro	144	33	87	39	4	307
Nuclear	23	31	37	0	0	91
Gas, Naptha & Diesel	23	40	16	0	29	108
RES (Wind, Solar, Biomass & Others)	68	83	150	1	0	302
Total	738	1484	985	504	42	3752

Share of RES in total generation (%)	9.23	5.60	15.26	0.16	0.10	8.06
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.80	9.96	27.85	7.84	9.81	18.67

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 : 27-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	620	0.0	11.4	-11.4
2		SASARAM-FATEHPUR	S/C	0	227	0.0	0.4	-0.4
3		GAYA-BALIA	S/C	0	340	0.0	6.6	-6.6
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	82	19	0.7	0.0	0.7
7		PUSAULI -ALLAHABAD	S/C	48	62	0.1	0.0	0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	770	0.0	11.3	-11.3
9		PATNA-BALIA	Q/C	0	869	0.0	14.7	-14.7
10		BIHARSHARIFF-BALIA	D/C	0	353	0.0	6.7	-6.7
11		MOTIHARI-GORAKHPUR	D/C	0	347	0.0	6.0	-6.0
12		BIHARSHARIFF-VARANASI	D/C	0	274	0.0	4.3	-4.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	142	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	0.5	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						1.3	63.9	-62.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2222	0	36.6	0.0	36.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	357	90	3.9	0.0	3.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	197	159	1.0	0.0	1.0
21		RANCHI-SIPAT	D/C	164	0	1.8	0.0	1.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	4	72	0.0	1.1	-1.1
23		BUDHIPADAR-KORBA	D/C	128	0	2.2	0.0	2.2
ER-WR						45.4	1.1	44.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1763.0	0.0	33.9	-33.9
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	2456.0	0.0	52.8	-52.8
27	400 kV	TALCHER-I/C	D/C	0.0	642.0	0.0	7.8	-7.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	102.7	-102.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	310	160	1.8	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	421	111	3.5	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	40	106	0.0	0.6	-1
ER-NER						5.3	0.6	4.8
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	657	0	8.6	0.0	8.6
NER-NR						8.6	0.0	8.6
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	323	0.0	6.9	-6.9
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1550	0.0	38.7	-38.7
36	765 kV	GWALIOR-AGRA	D/C	0	2306	0.0	43.9	-43.9
37		PHAGI-GWALIOR	D/C	0	1112	0.0	20.9	-20.9
38		JABALPUR-ORAI	D/C	0	685	0.0	27.2	-27.2
39		GWALIOR-ORAI	S/C	630	0	11.9	0.0	11.9
40		SATNA-ORAI	S/C	0	1340	0.0	29.1	-29.1
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	1.2	1.2
42		ZERDA-KANKROLI	S/C	114	29	1.2	0.0	1.2
43	400 kV	ZERDA -BHINMAL	S/C	58	146	0.0	1.1	-1.1
44		V'CHAL -RIHAND	S/C	963	0	21.1	0.0	21.1
45		RAPP-SHUJALPUR	D/C	0	386	0	2	-2
46	220 kV	BADOD-KOTA	S/C	0	73	0.0	1.7	-1.7
47		BADOD-MORAK	S/C	0	142	0.0	2.3	-2.3
48		MEHGAON-AURAIYA	S/C	73	0	0.8	0.0	0.8
49	132kV	MALANPUR-AURAIYA	S/C	28	30	0.1	0.2	-0.1
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.1	175.4	-132.0
Import/Export of WR (With SR)								
51	HVDC LINK	BHADRAWATI B/B	-	0	995	0.0	23.8	-23.8
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2348	0.0	42.5	-42.5
54		WARDHA-NIZAMABAD	D/C	0	2448	0.0	47.1	-47.1
55	400 kV	KOLHAPUR-KUDGI	D/C	565	0	9.8	0.0	9.8
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	71	1.3	0.0	1.3
WR-SR						11.1	113.4	-102.2
TRANSNATIONAL EXCHANGE								
59		BHUTAN						4.4
60		NEPAL						-8.6
61		BANGLADESH						-21.6