



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: 28th 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 27.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th 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

28-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41407	49600	46904	20805	2314	161030
Peak Shortage (MW)	597	0	0	0	193	790
Energy Met (MU)	942	1198	1126	410	40	3717
Hydro Gen (MU)	139	32	91	42	3	308
Wind Gen (MU)	5	44	27	-----	-----	76
Solar Gen (MU)*	27.66	26.5	82.39	1.14	0.04	138
Energy Shortage (MU)	10.9	0.0	0.0	0.0	2.3	13.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43552 19:39	53819 10:55	48886 11:24	21108 19:26	2227 18:54	165502 19:39

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	0.044	0.00	1.24	6.25	7.49	72.21	20.30

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	6131	0	126.9	49.4	-2.0	104	0.0	
	Haryana	5904	0	124.6	73.3	0.4	188	0.0	
	Rajasthan	10299	0	215.4	58.4	0.2	213	0.0	
	Delhi	3409	0	65.9	54.2	-0.4	159	0.0	
	UP	14527	0	297.6	132.3	-0.2	229	0.0	
	Uttarakhand	1755	0	35.8	17.1	0.1	149	0.0	
	HP	1503	0	26.7	16.3	0.1	94	0.0	
	J&K	2178	545	46.1	37.6	-0.8	223	10.9	
	Chandigarh	185	0	3.2	3.3	-0.2	8	0.0	
	WR	Chhattisgarh	4283	0	98.1	36.8	-1.8	776	0.0
Gujarat		15927	0	357.6	110.6	1.9	805	0.0	
MP		9807	0	203.1	75.0	-0.6	608	0.0	
Maharashtra		22106	0	489.6	154.7	-0.8	648	0.0	
Goa		502	0	12.4	11.0	0.9	121	0.0	
DD		329	0	7.5	7.1	0.4	91	0.0	
DNH		789	0	18.4	18.4	-0.1	107	0.0	
Essar steel		608	0	11.7	13.3	-1.6	217	0.0	
SR		Andhra Pradesh	8925	0	198.1	66.7	0.0	625	0.0
		Telangana	10194	0	226.8	97.3	0.0	450	0.0
	Karnataka	12452	0	256.3	89.9	1.9	854	0.0	
	Kerala	4242	0	86.4	58.6	1.0	311	0.0	
	Tamil Nadu	15536	0	350.1	201.0	-0.2	540	0.0	
	Pondy	406	0	8.4	8.4	-0.1	49	0.0	
ER	Bihar	4203	0	72.8	68.8	-0.5	460	0.0	
	DVC	3213	0	67.6	-50.7	-0.3	396	0.0	
	Jharkhand	1185	0	23.9	18.6	-0.4	169	0.0	
	Odisha	4882	0	98.7	38.1	2.1	267	0.0	
	West Bengal	7924	0	145.8	39.0	-0.4	309	0.0	
NER	Sikkim	94	0	1.5	1.5	-0.1	18	0.0	
	Arunachal Pradesh	114	3	2.0	2.1	-0.1	41	0.0	
	Assam	1338	141	22.7	18.5	0.9	116	2.2	
	Manipur	170	2	2.4	2.1	0.2	54	0.0	
	Meghalaya	339	0	5.6	4.9	-0.2	69	0.0	
	Mizoram	94	2	1.9	1.2	0.5	39	0.0	
	Nagaland	121	4	2.1	1.8	0.2	21	0.0	
	Tripura	218	6	3.8	2.7	0.0	41	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.1	-9.6	-23.2
Day peak (MW)	282.3	-569.1	-1028.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	175.3	-257.4	159.2	-78.2	0.6	-0.5
Actual(MU)	175.0	-262.5	164.1	-77.1	2.7	2.2
O/D/U/D(MU)	-0.3	-5.1	4.9	1.1	2.1	2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	7295	13351	5652	1060	570	27928
State Sector	10675	12695	4910	3525	50	31855
Total	17970	26046	10562	4585	619	59782

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	501	1277	630	481	10	2900
Lignite	22	18	51	0	0	91
Hydro	139	32	91	42	3	308
Nuclear	23	31	37	0	0	91
Gas, Naptha & Diesel	26	40	17	0	29	111
RES (Wind, Solar, Biomass & Others)	63	75	147	1	0	287
Total	774	1473	973	525	42	3787
Share of RES in total generation (%)	8.18	5.11	15.15	0.22	0.10	7.58
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.05	9.41	28.32	8.27	8.27	8.00

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 : 28-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	13	576	0.0	9.0	-9.0
2		SASARAM-FATEHPUR	S/C	0	185	0.0	2.8	-2.8
3		GAYA-BALIA	S/C	0	329	0.0	5.7	-5.7
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	71	33	0.8	0.0	0.8
7		PUSAULI -ALLAHABAD	S/C	39	44	0.4	0.0	0.4
8		MUZAFFARPUR-GORAKHPUR	D/C	68	644	0.0	9.6	-9.6
9		PATNA-BALIA	Q/C	0	889	0.0	17.0	-17.0
10		BIHARSHARIFF-BALIA	D/C	0	355	0.0	6.8	-6.8
11		MOTIHARI-GORAKHPUR	D/C	0	321	0.0	6.5	-6.5
12		BIHARSHARIFF-VARANASI	D/C	125	237	0.0	3.3	-3.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	149	0.0	2.8	-2.8
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	2	0	0.0	0.0	0.0
ER-NR						1.8	63.4	-61.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1907	0	33.2	0.0	33.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	463	144	0.4	0.0	0.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	247	62	1.3	0.0	1.3
21		RANCHI-SIPAT	D/C	192	0	1.6	0.0	1.6
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	77	0.0	1.1	-1.1
23		BUDHIPADAR-KORBA	D/C	170	0	2.6	0.0	2.6
ER-WR						39.2	1.1	38.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1752.0	0.0	35.9	-35.9
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	2453.0	0.0	52.5	-52.5
27	400 kV	TALCHER-I/C	D/C	0.0	658.0	0.0	7.5	-7.5
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	104.3	-104.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	337	361	1.8	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	441	156	4.4	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	37	118	0.0	0.5	0
ER-NER						6.2	0.5	5.8
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	656	2	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	483	0.0	8.2	-8.2
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1553	0.0	38.7	-38.7
36	765 kV	GWALIOR-AGRA	D/C	0	2118	0.0	42.5	-42.5
37		PHAGI-GWALIOR	D/C	0	1008	0.0	15.3	-15.3
38		JABALPUR-ORAI	D/C	0	536	0.0	19.9	-19.9
39		GWALIOR-ORAI	S/C	521	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	0	1459	0.0	30.2	-30.2
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	0.1	0.0
42		ZERDA-KANKROLI	S/C	125	0	1.9	0.0	1.9
43	400 kV	ZERDA -BHINMAL	S/C	48	131	0.0	0.7	-0.7
44		V'CHAL -RIHAND	S/C	982	0	22.2	0.0	22.2
45		RAPP-SHUJALPUR	D/C	0	158	0	1	-1
46	220 kV	BADOD-KOTA	S/C	0	63	0.0	1.4	-1.4
47		BADOD-MORAK	S/C	0	108	0.0	1.9	-1.9
48		MEHGAON-AURAIYA	S/C	69	0	0.9	0.0	0.9
49	MALANPUR-AURAIYA	S/C	19	25	0.1	0.2	-0.1	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.2	159.9	-118.8
Import/Export of WR (With SR)								
51	HVDC LINK	BHADRAWATI B/B	-	0	979	0.0	23.5	-23.5
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2470	0.0	44.9	-44.9
54		WARDHA-NIZAMABAD	D/C	0	2605	0.0	49.3	-49.3
55	400 kV	KOLHAPUR-KUDGI	D/C	784	0	10.9	0.0	10.9
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	60	1.2	0.0	1.2
WR-SR						12.1	117.7	-105.6
TRANSNATIONAL EXCHANGE								
59		BHUTAN						4.1
60		NEPAL						-9.6
61		BANGLADESH						-23.2