



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: 31th 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 30.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30th 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

31-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41417	49952	46363	21269	2459	161460
Peak Shortage (MW)	0	0	0	0	42	42
Energy Met (MU)	979	1212	1127	434	44	3795
Hydro Gen (MU)	180	31	89	48	3	351
Wind Gen (MU)	10	68	31	-----	-----	110
Solar Gen (MU)*	25.77	24.57	82.41	1.56	0.03	134
Energy Shortage (MU)	11.9	0.0	0.0	0.0	0.6	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45547 19:27	53770 10:52	48696 22:20	21659 19:29	2545 18:32	168223 19:26

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	0.041	0.00	0.01	6.28	6.30	72.05	21.66

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	6390	0	130.8	49.2	-1.9	82	0.0	
	Haryana	5681	0	127.6	71.6	-0.6	136	0.3	
	Rajasthan	10380	0	220.4	50.9	-2.2	158	0.0	
	Delhi	3602	0	73.9	70.6	0.2	183	0.0	
	UP	16220	0	320.0	132.8	-1.9	227	0.0	
	Uttarakhand	1741	0	36.8	12.0	-0.7	32	0.0	
	HP	1378	0	25.1	12.0	-0.3	63	0.0	
	J&K	2333	583	41.9	30.4	1.3	223	11.6	
WR	Chandigarh	180	0	3.4	3.8	-0.4	4	0.0	
	Chhattisgarh	4430	0	102.9	41.7	0.2	641	0.0	
	Gujarat	16139	0	366.4	105.3	0.7	773	0.0	
	MP	9979	0	208.4	75.5	-1.3	494	0.0	
	Maharashtra	21757	0	484.0	145.1	0.4	733	0.0	
	Goa	571	0	12.4	10.2	1.6	132	0.0	
	DD	312	0	7.2	7.1	0.1	28	0.0	
	DNH	786	0	18.3	18.3	0.0	70	0.0	
SR	Essar steel	580	0	12.3	13.2	-0.8	213	0.0	
	Andhra Pradesh	8961	0	200.4	62.8	-0.5	337	0.0	
	Telangana	10022	0	229.1	103.6	0.1	864	0.0	
	Karnataka	12881	0	253.5	79.6	0.3	956	0.0	
	Kerala	4104	0	85.9	60.2	1.1	235	0.0	
	Tamil Nadu	15568	0	349.3	195.0	0.0	600	0.0	
	Pondy	409	0	8.4	8.5	-0.1	39	0.0	
	ER	Bihar	4639	0	84.1	77.9	0.1	460	0.0
DVC		3235	0	69.0	-48.3	0.0	396	0.0	
Jharkhand		1150	0	23.8	20.4	-0.3	169	0.0	
Odisha		4575	0	91.3	34.6	1.0	267	0.0	
West Bengal		8333	0	164.2	47.5	-0.4	309	0.0	
Sikkim		93	0	1.3	1.6	-0.4	18	0.0	
NER		Arunachal Pradesh	123	2	2.3	2.3	0.0	50	0.0
		Assam	1483	29	25.6	21.3	1.2	132	0.4
	Manipur	182	3	2.5	2.4	0.1	31	0.0	
	Meghalaya	308	0	5.6	4.9	-0.1	68	0.1	
	Mizoram	93	1	1.6	1.3	0.2	18	0.0	
	Nagaland	126	2	2.3	1.9	0.3	36	0.0	
	Tripura	251	0	4.2	3.1	0.2	57	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.1	-8.9	-22.9
Day peak (MW)	181.6	-484.2	-1107.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	139.5	-235.9	153.5	-61.3	4.2	0.0
Actual(MU)	126.4	-234.3	158.4	-59.0	7.3	-1.3
O/D/U/D(MU)	-13.1	1.6	4.8	2.2	3.0	-1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6454	13736	6072	1700	570	28532
State Sector	9420	11740	5170	3445	50	29825
Total	15874	25476	11242	5145	619	58356

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	0
Coal	638	1242	633	485	11	3009
Lignite	23	14	54	0	0	91
Hydro	180	31	89	48	3	351
Nuclear	23	31	34	0	0	87
Gas, Naptha & Diesel	17	43	17	0	29	106
RES (Wind, Solar, Biomass & Others)	68	99	154	2	0	322
Total	948	1461	981	535	42	3967
Share of RES in total generation (%)	7.18	6.75	15.68	0.30	0.07	8.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.53	11.03	28.17	9.29	6.93	19.17

H. Diversity Factor

All India Demand Diversity Factor	1.024
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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 : 31-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	21	392	0.0	5.5	-5.5
2		SASARAM-FATEHPUR	S/C	44	202	0.0	2.0	-2.0
3		GAYA-BALIA	S/C	0	277	0.0	4.4	-4.4
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	80	0.0	1.0	-1.0
7		PUSAULI -ALLAHABAD	S/C	20	46	0.0	0.1	-0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	559	0.0	7.3	-7.3
9		PATNA-BALIA	Q/C	0	689	0.0	12.3	-12.3
10		BIHARSHARIFF-BALIA	D/C	0	212	0.0	4.0	-4.0
11		MOTIHARI-GORAKHPUR	D/C	0	314	0.0	5.8	-5.8
12		BIHARSHARIFF-VARANASI	D/C	118	139	0.0	0.7	-0.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	163	0.0	3.1	-3.1
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	3	0	0.0	0.0	0.0
ER-NR						0.5	47.3	-46.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2226	0	33.5	0.0	33.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	369	197	1.9	0.0	1.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	193	118	0.0	0.1	-0.1
21		RANCHI-SIPAT	D/C	162	40	1.3	0.0	1.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	123	0.0	2.0	-2.0
23		BUDHIPADAR-KORBA	D/C	168	0	2.5	0.0	2.5
ER-WR						39.2	2.1	37.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1814.0	0.0	35.3	-35.3
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	2466.0	0.0	50.5	-50.5
27	400 kV	TALCHER-I/C	D/C	0.0	630.0	0.0	5.4	-5.4
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	101.8	-101.8
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	213	108	2.1	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	328	0	4.5	0.0	5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	21	85	0.0	0.6	-1
ER-NER						6.6	0.6	6.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	555	0	14.2	0.0	14.2
NER-NR						14.2	0.0	14.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	550	0.0	8.1	-8.1
34		V'CHAL B/B	D/C	244	53	3.7	0.4	3.3
35		APL -MHG	D/C	0	1735	0.0	43.1	-43.1
36	765 kV	GWALIOR-AGRA	D/C	0	1747	0.0	31.9	-31.9
37		PHAGI-GWALIOR	D/C	0	686	0.0	7.7	-7.7
38		JABALPUR-ORAI	D/C	0	461	0.0	16.0	-16.0
39		GWALIOR-ORAI	S/C	488	0	8.8	0.0	8.8
40		SATNA-ORAI	S/C	0	1230	0.0	24.5	-24.5
41		CHITORGARH-BANASKANTHA	D/C	0	0	4.0	0.0	4.0
42		ZERDA-KANKROLI	S/C	149	0	3.3	0.0	3.3
43	400 kV	ZERDA -BHINMAL	S/C	80	118	0.3	0.0	0.3
44		V'CHAL -RIHAND	S/C	954	0	17.8	0.0	17.8
45		RAPP-SHUJALPUR	D/C	72	173	0	0	0
46	220 kV	BADOD-KOTA	S/C	17	43	0.0	1.1	-1.1
47		BADOD-MORAK	S/C	0	104	0.0	1.8	-1.8
48		MEHGAON-AURAIYA	S/C	131	0	1.3	0.0	1.3
49	MALANPUR-AURAIYA	S/C	33	22	0.2	0.0	0.2	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.4	134.7	-95.3
Import/Export of WR (With SR)								
51	HVDC LINK	BHADRAWATI B/B	-	0	999	0.0	24.0	-24.0
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2160	0.0	39.7	-39.7
54		WARDHA-NIZAMABAD	D/C	0	2539	0.0	48.4	-48.4
55	400 kV	KOLHAPUR-KUDGI	D/C	783	0	10.7	0.0	10.7
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	1	69	1.3	0.0	1.3
WR-SR						12.0	112.0	-100.1
TRANSNATIONAL EXCHANGE								
59		BHUTAN						4.1
60		NEPAL						-8.9
61		BANGLADESH						-22.9