



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: 30th 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., डोंगतेह, 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 29.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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 29th 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

30-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43293	50027	47147	20879	2576	163922
Peak Shortage (MW)	500	0	0	0	79	579
Energy Met (MU)	975	1204	1129	439	44	3792
Hydro Gen (MU)	165	31	94	39	4	333
Wind Gen (MU)	12	48	28	-----	-----	87
Solar Gen (MU)*	22.51	25.93	82.79	0.97	0.04	132
Energy Shortage (MU)	12.8	1.7	0.0	0.0	1.1	15.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45853 19:25	54119 11:00	49648 11:45	21734 19:41	2600 19:08	168745 19:25

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	0.032	0.00	0.31	3.41	3.73	79.19	17.08

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	6113	0	131.5	46.5	-1.8	55	0.0	
	Haryana	6332	0	129.4	72.4	0.5	221	0.7	
	Rajasthan	10190	0	222.9	59.6	-1.6	232	0.0	
	Delhi	3706	0	71.8	68.3	0.5	184	0.1	
	UP	15563	0	317.9	130.9	0.7	388	1.3	
	Uttarakhand	1748	0	36.9	12.6	-0.2	277	0.0	
	HP	1400	0	25.6	14.2	-1.3	47	0.0	
	J&K	2239	560	36.0	34.4	-2.4	109	10.7	
WR	Chandigarh	181	0	3.4	3.7	-0.3	5	0.0	
	Chhattisgarh	4365	0	97.6	46.4	2.1	428	1.7	
	Gujarat	16263	0	366.5	102.6	3.6	652	0.0	
	MP	9943	0	205.8	81.3	-2.1	728	0.0	
	Maharashtra	21687	0	483.3	148.4	-0.1	515	0.0	
	Goa	502	0	12.4	10.8	1.1	65	0.0	
	DD	320	0	7.2	6.9	0.3	89	0.0	
	DNH	780	0	18.3	18.3	0.0	52	0.0	
SR	Essar steel	587	0	12.7	12.5	0.2	278	0.0	
	Andhra Pradesh	8966	0	199.6	65.0	-0.1	334	0.0	
	Telangana	10244	0	227.8	95.4	0.5	440	0.0	
	Karnataka	12881	0	255.8	81.3	0.8	826	0.0	
	Kerala	4225	0	86.5	61.7	1.4	211	0.0	
	Tamil Nadu	15924	0	351.1	194.8	0.3	510	0.0	
	Pondy	400	0	8.4	8.6	-0.1	31	0.0	
	ER	Bihar	4583	0	81.5	78.5	-0.3	460	0.0
DVC		3288	0	69.3	-53.5	0.5	396	0.0	
Jharkhand		1150	0	23.8	21.9	-0.7	169	0.0	
Odisha		4511	0	90.8	35.3	1.2	267	0.0	
West Bengal		8379	0	172.7	49.4	-0.3	309	0.0	
Sikkim		100	0	1.3	1.5	-0.2	18	0.0	
NER		Arunachal Pradesh	130	2	2.3	2.3	0.0	20	0.0
		Assam	1523	23	25.8	21.4	1.0	102	0.5
	Manipur	173	1	2.4	2.4	0.0	45	0.0	
	Meghalaya	353	19	6.0	4.9	0.2	16	0.4	
	Mizoram	92	1	1.6	1.4	0.1	11	0.0	
	Nagaland	126	2	2.1	1.9	0.2	28	0.1	
	Tripura	263	0	4.1	3.1	-0.2	49	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.2	-11.7	-21.6
Day peak (MW)	157.6	-614.4	-1028.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	156.6	-240.0	153.1	-74.8	4.8	-0.3
Actual(MU)	146.2	-244.8	161.2	-72.6	6.3	-3.6
O/D/U/D(MU)	-10.4	-4.8	8.1	2.3	1.5	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6585	14311	6872	850	570	29188
State Sector	10080	13562	4070	3215	50	30977
Total	16665	27873	10942	4065	619	60164

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	0
Coal	551	1267	635	507	10	2969
Lignite	24	14	52	0	0	90
Hydro	165	31	94	39	4	333
Nuclear	23	31	34	0	0	88
Gas, Naptha & Diesel	18	45	17	0	29	109
RES (Wind, Solar, Biomass & Others)	65	80	150	1	0	295
Total	846	1468	982	547	43	3885

Share of RES in total generation (%)	7.69	5.42	15.25	0.19	0.09	7.60
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.89	9.64	28.35	7.33	8.68	18.44

H. Diversity Factor

All India Demand Diversity Factor	1.031
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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 : 30-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	480	0.0	8.2	-8.2
2		SASARAM-FATEHPUR	S/C	0	207	0.0	3.0	-3.0
3		GAYA-BALIA	S/C	0	321	0.0	5.5	-5.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	3	49	0.0	0.1	-0.1
6	400 kV	PUSAULI-VARANASI	S/C	61	44	0.5	0.0	0.5
7		PUSAULI -ALLAHABAD	S/C	59	41	0.6	0.0	0.6
8		MUZAFFARPUR-GORAKHPUR	D/C	99	559	0.0	5.5	-5.5
9		PATNA-BALIA	Q/C	0	704	0.0	13.5	-13.5
10		BIHARSHARIFF-BALIA	D/C	0	248	0.0	4.8	-4.8
11		MOTIHARI-GORAKHPUR	D/C	0	329	0.0	6.4	-6.4
12		BIHARSHARIFF-VARANASI	D/C	134	169	0.0	1.8	-1.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	154	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	0.0	0.6	-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						1.1	51.8	-50.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1810	0	30.3	0.0	30.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	332	119	2.6	0.0	2.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	100	136	0.0	0.6	-0.6
21		RANCHI-SIPAT	D/C	129	30	0.0	0.0	0.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	79	0.0	1.2	-1.2
23		BUDHIPADAR-KORBA	D/C	102	0	1.4	0.0	1.4
ER-WR						34.2	1.7	32.5
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1667.0	0.0	33.1	-33.1
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2459.0	0.0	51.9	-51.9
27	400 kV	TALCHER-I/C	D/C	0.0	647.0	0.0	6.8	-6.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	101.0	-101.0
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	169	380	0.0	0.9	-1
30		ALIPURDUAR-BONGAIGAON	D/C	283	301	1.0	0.0	1
31	220 kV	ALIPURDUAR-SALAKATI	D/C	3	131	1.1	0.0	1
ER-NER						2.1	0.9	1.2
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	555	1	6.4	0.0	6.4
NER-NR						6.4	0.0	6.4
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	304	0.0	7.1	-7.1
34		V'CHAL B/B	D/C	243	53	4.2	0.2	4.1
35		APL -MHG	D/C	0	1735	0.0	41.8	-41.8
36	765 kV	GWALIOR-AGRA	D/C	0	1854	0.0	36.7	-36.7
37		PHAGI-GWALIOR	D/C	0	919	0.0	12.1	-12.1
38		JABALPUR-ORAI	D/C	0	558	0.0	20.7	-20.7
39		GWALIOR-ORAI	S/C	511	0	9.3	0.0	9.3
40		SATNA-ORAI	S/C	0	1195	0.0	25.3	-25.3
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.1	0.0	0.1
42		ZERDA-KANKROLI	S/C	171	0	2.5	0.0	2.5
43	400 kV	ZERDA -BHINMAL	S/C	85	141	0.0	0.0	0.0
44		V'CHAL -RIHAND	S/C	967	0	21.4	0.0	21.4
45		RAPP-SHUJALPUR	D/C	85	157	0	1	-1
46	220 kV	BADOD-KOTA	S/C	2	60	0.0	1.1	-1.1
47		BADOD-MORAK	S/C	0	121	0.0	1.8	-1.8
48		MEHGAON-AURAIYA	S/C	152	0	1.1	0.0	1.1
49	132kV	MALANPUR-AURAIYA	S/C	31	30	0.2	0.0	0.1
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						38.8	147.4	-108.6
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.6	-23.6
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2358	0.0	42.0	-42.0
54		WARDHA-NIZAMABAD	D/C	0	2465	0.0	49.9	-49.9
55	400 kV	KOLHAPUR-KUDGI	D/C	617	0	8.0	0.0	8.0
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	72	1.3	0.0	1.3
WR-SR						9.4	115.5	-106.1
TRANSNATIONAL EXCHANGE								
59		BHUTAN						2.2
60		NEPAL						-11.7
61		BANGLADESH						-21.6