



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: 11th June 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 10.06.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-जून-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 10th June 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

11-Jun-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	57100	49311	41601	19621	2639	170272
Peak Shortage (MW)	718	0	0	0	149	867
Energy Met (MU)	1384	1213	935	472	50	4054
Hydro Gen (MU)	337	16	41	91	17	502
Wind Gen (MU)	32	80	75	-----	-----	187
Solar Gen (MU)*	30.35	23.26	80.52	2.16	0.04	136
Energy Shortage (MU)	11.0	0.0	0.0	0.0	1.1	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62106 23:14	56350 15:43	41932 19:28	21856 00:03	2758 19:47	178345 15:43

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	0.083	0.45	4.11	16.00	20.56	71.34	8.10

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	9478	0	203.3	122.6	-1.4	29	0.0
	Haryana	9407	0	194.8	133.8	-0.2	242	0.0
	Rajasthan	12114	0	269.8	76.4	-0.2	597	0.0
	Delhi	6602	0	136.7	114.8	0.1	303	0.2
	UP	20749	690	449.6	196.0	2.4	664	0.6
	Uttarakhand	2160	0	46.2	23.4	0.5	111	0.0
	HP	1391	0	29.3	2.0	0.2	110	0.0
	J&K	2158	540	47.7	24.5	-0.8	198	10.2
WR	Chhattisgarh	3973	0	92.4	33.4	-0.2	411	0.0
	Gujarat	18207	0	398.0	113.3	4.8	927	0.0
	MP	9628	0	221.9	118.4	0.0	473	0.0
	Maharashtra	21767	0	459.6	124.5	-3.1	641	0.0
	Goa	541	0	11.9	10.5	0.8	97	0.0
	DD	295	0	6.4	6.1	0.3	36	0.0
	DNH	752	0	17.4	17.8	-0.4	9	0.0
	Essar steel	327	0	5.1	5.3	-0.2	267	0.0
SR	Andhra Pradesh	8459	0	181.0	39.4	-1.7	548	0.0
	Telangana	7848	0	165.1	72.6	0.8	437	0.0
	Karnataka	9610	0	187.2	61.6	-0.2	526	0.0
	Kerala	3348	0	65.8	53.4	1.0	219	0.0
	Tamil Nadu	15069	0	327.3	152.5	1.3	737	0.0
	Pondy	430	0	8.7	8.9	-0.2	40	0.0
ER	Bihar	4676	0	96.9	93.0	-0.9	400	0.0
	DVC	3110	0	66.9	-45.6	1.3	250	0.0
	Jharkhand	1126	0	27.3	22.1	-0.4	100	0.0
	Odisha	4428	0	94.2	32.8	3.2	400	0.0
	West Bengal	8972	0	186.0	54.4	2.3	300	0.0
Sikkim	91	0	1.2	1.3	-0.1	40	0.0	
NER	Arunachal Pradesh	144	0	2.3	2.2	0.1	68	0.0
	Assam	1692	46	30.5	24.6	1.1	111	1.0
	Manipur	173	1	2.3	2.3	0.0	24	0.0
	Meghalaya	327	0	6.0	1.6	-0.2	48	0.0
	Mizoram	92	0	1.7	1.4	0.2	16	0.0
	Nagaland	123	2	2.3	2.3	0.0	19	0.0
Tripura	279	2	4.8	3.9	0.1	82	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.9	-10.2	-20.6
Day peak (MW)	587.5	-493.0	-1125.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	268.6	-263.1	51.9	-55.8	-0.9	0.7
Actual(MU)	264.6	-263.0	53.0	-60.1	-0.7	-6.1
O/D/U/D(MU)	-3.9	0.1	1.1	-4.2	0.2	-6.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3704	14310	6632	1950	305	26900
State Sector	5695	11374	6090	2490	50	25699
Total	9399	25684	12722	4440	354	52598

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	635	1268	544	466	11	2924
Lignite	22	18	40	0	0	79
Hydro	337	16	41	91	17	502
Nuclear	27	30	57	0	0	114
Gas, Naptha & Diesel	39	49	16	0	29	132
RES (Wind, Solar, Biomass & Others)	79	109	193	2	0	382
Total	1139	1490	889	559	57	4134

Share of RES in total generation (%)	6.90	7.29	21.67	0.39	0.07	9.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.87	10.40	32.58	16.73	30.20	24.14

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 :	11-Jun-19
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	375	0.0	5.4	-5.4	
2		SASARAM-FATEHPUR	S/C	187	28	1.9	0.0	1.9	
3		GAYA-BALIA	S/C	0	509	0.0	9.7	-9.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	11.9	-11.9	
5		PUSAULI B/B	S/C	0	401	0.0	9.5	-9.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	302	0.0	6.5	-6.5	
7		PUSAULI -ALLAHABAD	S/C	0	151	0.0	2.7	-2.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	609	0.0	9.4	-9.4	
9		PATNA-BALIA	Q/C	0	991	0.0	19.5	-19.5	
10		BIHARSHARIFF-BALIA	D/C	0	403	0.0	8.7	-8.7	
11		MOTIHARI-GORAKHPUR	D/C	0	349	0.0	7.4	-7.4	
12	BIHARSHARIFF-VARANASI	D/C	152	57	1.0	0.0	1.0		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	181	0.0	3.4	-3.4	
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	0	0	0.0	0.0	0.0	
ER-NR						3.3	94.2	-90.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1751	0	24.8	0.0	24.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	968	0	17.3	0.0	17.3	
20		JHARSUGUDA-DURG	D/C	249	55	1.6	0.0	1.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	458	0	6.0	0.0	6.0	
22		RANCHI-SIPAT	D/C	345	0	5.9	0.0	5.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	27	65	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	183	0	3.1	0.0	3.1	
ER-WR						58.6	0.6	58.1	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1710.0	0.0	25.7	-25.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	680.0	0.0	15.2	-15.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1780.0	0.0	26.3	-26.3	
28	400 kV	TALCHER-I/C	D/C	994.0	269.0	15.9	0.0	15.9	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	67.2	-67.2	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	561	0.0	9.3	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	140	230	0.0	0.1	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	83	0.0	1.3	-1	
ER-NER						0.0	10.8	-10.8	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	12.2	-12.2	
NER-NR						0.0	12.2	-12.2	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1804	0.0	31.5	-31.5	
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1639	0.0	39.6	-39.6	
37	765 kV	GWALIOR-AGRA	D/C	0	2399	0.0	47.6	-47.6	
38		PHAGI-GWALIOR	D/C	0	1095	0.0	22.0	-22.0	
39		JABALPUR-ORAI	D/C	0	894	0.0	35.4	-35.4	
40		GWALIOR-ORAI	S/C	434	0	8.9	0.0	8.9	
41		SATNA-ORAI	S/C	0	1430	0.0	30.9	-30.9	
42		CHITTORGARH-BANASKANTHA	D/C	0	563	0.0	8.4	8.4	
43	400 kV	ZERDA-KANKROLI	S/C	82	38	0.7	0.1	0.6	
44		ZERDA -BHINMAL	S/C	168	10	1.9	0.0	1.9	
45		V'CHAL -RIHAND	S/C	978	0	22.7	0.0	22.7	
46		RAPP-SHUJALPUR	D/C	0	233	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	14	56	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	98	0.0	1.7	-1.7	
49		MEHGAON-AURAIYA	S/C	50	6	0.4	0.0	0.4	
50	MALANPUR-AURAIYA	S/C	12	36	0.0	0.5	-0.4		
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						46.8	219.8	-156.3	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	478	0.0	11.2	-11.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	979	1280	0.0	4.9	-4.9	
55		WARDHA-NIZAMABAD	D/C	248	2215	0.0	23.4	-23.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	955	867	9.3	0.0	9.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
59		XELDEM-AMBEWADI	S/C	0	53	1.1	0.0	1.1	
WR-SR						10.5	39.5	-29.0	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						8.9	
61		NEPAL						-10.2	
62		BANGLADESH						-20.6	