



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: 16th June 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 15.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-जून-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 15th 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

16-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)	55528	46558	42954	19482	2642	167164
Peak Shortage (MW)	723	0	0	0	142	865
Energy Met (MU)	1412	1143	982	468	51	4056
Hydro Gen (MU)	334	9	39	81	18	481
Wind Gen (MU)	44	136	171	-----	-----	351
Solar Gen (MU)*	29.29	20.93	89.10	2.14	0.02	141
Energy Shortage (MU)	11.1	0.0	0.0	0.0	4.1	15.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	64806 00:05	51304 11:53	42970 22:26	22473 00:50	2682 19:16	178898 00:00

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	0.058	0.00	0.08	2.66	2.74	60.98	36.27

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	11550	0	240.2	129.6	-7.2	188	0.0
	Haryana	9293	0	201.3	130.5	0.4	214	0.0
	Rajasthan	11605	0	257.9	64.5	-1.2	345	0.0
	Delhi	6515	0	130.7	109.6	-0.8	194	0.0
	UP	21103	340	450.6	220.7	1.6	817	0.0
	Uttarakhand	2107	0	46.9	16.4	0.9	138	0.0
	HP	1477	0	31.1	3.7	1.5	155	0.0
	J&K	2300	575	46.9	23.1	-0.7	251	11.1
WR	Chandigarh	315	0	6.1	7.1	-1.0	0	0.0
	Chhattisgarh	3720	0	89.6	32.8	0.0	779	0.0
	Gujarat	15350	0	342.9	78.1	8.0	688	0.0
	MP	9054	0	203.4	118.7	-0.1	386	0.0
	Maharashtra	20631	0	464.0	111.0	-0.3	473	0.0
	Goa	541	0	11.5	10.6	0.3	177	0.0
	DD	342	0	7.6	7.2	0.5	43	0.0
	DNH	744	0	17.4	17.5	-0.2	57	0.0
SR	Essar steel	346	0	6.6	6.5	0.2	276	0.0
	Andhra Pradesh	9575	0	201.8	38.5	0.6	834	0.0
	Telangana	7763	0	168.4	48.5	0.3	834	0.0
	Karnataka	9869	0	198.1	61.5	1.3	845	0.0
	Kerala	3584	0	71.9	56.2	1.8	325	0.0
	Tamil Nadu	15609	0	332.9	141.0	-0.1	699	0.0
	Pondy	435	0	9.1	9.2	-0.2	33	0.0
	ER	Bihar	5209	0	106.1	103.3	0.4	350
DVC		3018	0	66.5	-41.9	0.4	300	0.0
Jharkhand		1001	0	27.3	21.5	0.2	150	0.0
Odisha		4234	0	87.1	36.1	2.4	400	0.0
West Bengal		9068	0	180.4	66.3	2.2	425	0.0
Sikkim		90	0	1.1	1.3	-0.2	30	0.0
NER	Arunachal Pradesh	122	1	2.1	2.7	-0.6	43	0.0
	Assam	1700	93	31.8	26.6	0.5	134	4.0
	Manipur	162	4	2.2	2.3	-0.1	16	0.0
	Meghalaya	337	0	6.1	1.9	0.2	107	0.0
	Mizoram	94	2	1.8	1.6	0.1	5	0.0
	Nagaland	124	3	2.1	2.2	-0.1	55	0.0
	Tripura	239	2	5.0	3.7	0.1	56	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.5	-7.5	-19.8
Day peak (MW)	647.9	-464.6	-1116.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.0	-261.2	42.0	-39.2	-2.7	0.0
Actual(MU)	255.8	-257.5	45.9	-35.1	-4.3	4.9
O/D/U/D(MU)	-5.2	3.7	3.9	4.1	-1.7	4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3082	14372	7872	1450	56	26832
State Sector	5370	14947	7250	2910	50	30527
Total	8452	29319	15122	4360	106	57358

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	647	1155	494	447	13	2756
Lignite	19	12	37	0	0	68
Hydro	334	9	39	81	18	481
Nuclear	27	29	60	0	0	117
Gas, Naptha & Diesel	48	42	16	0	29	135
RES (Wind, Solar, Biomass & Others)	88	167	297	2	0	554
Total	1163	1415	942	530	60	4110

Share of RES in total generation (%)	7.58	11.80	31.49	0.41	0.03	13.48
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.62	14.50	42.04	15.67	29.79	28.01

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 : **16-Jun-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	235	337	0.0	4.4	-4.4
2		SASARAM-FATEHPUR	S/C	324	0	4.6	0.0	4.6
3		GAYA-BALIA	S/C	0	430	0.0	8.0	-8.0
4	HVDC	ALIPURDUAR-AGRA	-	0	502	0.0	12.0	-12.0
5		PUSAULI B/B	S/C	0	400	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	316	0.0	6.6	-6.6
7		PUSAULI -ALLAHABAD	S/C	0	157	0.0	2.8	-2.8
8		MUZAFFARPUR-GORAKHPUR	D/C	0	838	0.0	11.5	-11.5
9		PATNA-BALIA	Q/C	0	1112	0.0	17.7	-17.7
10		BIHARSHARIFF-BALIA	D/C	31	285	0.0	3.8	-3.8
11		MOTIHARI-GORAKHPUR	D/C	552	0	6.1	0.0	6.1
12		BIHARSHARIFF-VARANASI	D/C	258	55	1.9	0.0	1.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	197	0.0	4.1	-4.1
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	3	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						13.0	80.6	-67.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1570	0	22.3	0.0	22.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	1048	0	16.7	0.0	16.7
20		JHARSUGUDA-DURG	D/C	250	47	2.9	0.0	2.9
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	482	0	8.6	0.0	8.6
22		RANCHI-SIPAT	D/C	385	0	6.3	0.0	6.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	22	85	0.0	0.7	-0.7
24		BUDHIPADAR-KORBA	D/C	239	0	4.1	0.0	4.1
ER-WR						60.8	0.7	60.0
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1949.0	0.0	27.3	-27.3
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	400.0	0.0	9.8	-9.8
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1483.0	0.0	32.4	-32.4
28	400 kV	TALCHER-I/C	D/C	637.0	419.0	8.4	0.0	8.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	69.5	-69.5
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	426	0.0	6.1	-6
31		ALIPURDUAR-BONGAIGAON	D/C	227	163	0.0	0.4	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	66	0.0	1.0	-1
ER-NER						0.0	7.4	-7.4
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.4	-12.4
NER-NR						0.0	12.4	-12.4
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2513	0.0	60.2	-60.2
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2
36		APL -MHG	D/C	0	1358	0.0	33.9	-33.9
37	765 kV	GWALIOR-AGRA	D/C	0	2518	0.0	48.3	-48.3
38		PHAGI-GWALIOR	D/C	0	1201	0.0	19.6	-19.6
39		JABALPUR-ORAI	D/C	0	889	0.0	34.9	-34.9
40		GWALIOR-ORAI	S/C	500	0	8.6	0.0	8.6
41		SATNA-ORAI	S/C	0	1458	0.0	30.4	-30.4
42		CHITTORGARH-BANASKANTHA	D/C	56	643	0.0	4.5	4.5
43		ZERDA-KANKROLI	S/C	115	57	0.8	0.2	0.6
44	400 kV	ZERDA -BHINMAL	S/C	273	0	3.1	0.0	3.1
45		V'CHAL -RIHAND	S/C	967	0	21.3	0.0	21.3
46	220 kV	RAPP-SHUJALPUR	D/C	108	260	0	1	-1
47		BHANPURA-RANPUR	S/C	41	27	0.2	0.1	0.1
48		BHANPURA-MORAK	S/C	0	135	0.0	1.8	-1.8
49	132kV	MEHGAON-AURAIYA	S/C	87	0	1.0	0.0	1.0
50		MALANPUR-AURAIYA	S/C	49	10	0.3	0.0	0.2
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						47.5	234.7	-178.3
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	474	0.0	10.2	-10.2
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1391	1139	0.0	0.9	-0.9
55		WARDHA-NIZAMABAD	D/C	319	2045	0.0	21.2	-21.2
56	400 kV	KOLHAPUR-KUDGI	D/C	1217	0	13.9	0.0	13.9
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	3	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	1	0	0.0	0.0	0.0
WR-SR						14.0	32.2	-18.3
TRANSNATIONAL EXCHANGE								
60		BHUTAN						10.5
61		NEPAL						-7.5
62		BANGLADESH						-19.8