



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: 06th 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., 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 06.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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

6-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)	55779	50642	39873	19291	2659	168244
Peak Shortage (MW)	1078	0	0	0	50	1128
Energy Met (MU)	1382	1243	970	449	50	4093
Hydro Gen (MU)	340	16	57	74	18	505
Wind Gen (MU)	22	101	67	-----	-----	190
Solar Gen (MU)*	29.34	0.00	85.29	2.20	0.04	117
Energy Shortage (MU)	11.3	0.0	0.0	0.0	0.4	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61342 23:08	55480 15:17	43436 15:01	21398 00:09	2657 19:27	179386 14:55

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	0.095	0.07	4.40	24.46	28.92	67.38	3.69

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	8516	0	186.4	103.4	-1.7	23	0.0
	Haryana	8758	0	189.4	130.5	-0.7	178	0.0
	Rajasthan	12297	0	271.3	80.0	0.7	419	0.0
	Delhi	6401	0	131.2	110.5	-0.2	213	0.0
	UP	21247	0	471.8	207.7	3.4	656	0.0
	Uttarakhand	2139	0	47.5	17.9	0.7	107	0.0
	HP	1454	0	30.4	0.6	2.9	299	0.0
	J&K	2143	536	47.6	28.0	-0.9	250	11.3
	Chandigarh	293	0	5.9	7.0	-1.1	-5	0.0
WR	Chhattisgarh	3942	0	92.1	41.0	2.5	452	0.0
	Gujarat	17543	0	387.9	99.0	3.5	563	0.0
	MP	10032	0	227.5	114.8	-0.1	364	0.0
	Maharashtra	22114	0	492.8	124.6	-1.9	819	0.0
	Goa	541	0	12.0	11.1	0.3	71	0.0
	DD	332	0	7.5	7.2	0.3	37	0.0
	DNH	748	0	17.5	16.9	0.6	201	0.0
	Essar steel	305	0	5.5	5.7	-0.2	293	0.0
	SR	Andhra Pradesh	9350	0	193.4	49.8	-1.8	407
Telangana		7589	0	168.2	49.9	-0.7	374	0.0
Karnataka		10200	0	199.3	59.3	-1.1	702	0.0
Kerala		3505	0	75.9	58.3	0.6	213	0.0
Tamil Nadu		14227	0	324.2	144.2	2.5	762	0.0
Pondy		418	0	8.8	8.8	0.0	78	0.0
ER	Bihar	5513	0	109.2	101.3	3.3	100	0.0
	DVC	3112	0	67.4	-43.7	0.5	210	0.0
	Jharkhand	1202	0	26.7	17.6	-0.4	147	0.0
	Odisha	4529	0	89.1	36.9	-1.8	230	0.0
	West Bengal	8102	0	155.0	40.4	-1.2	250	0.0
	Sikkim	98	0	1.1	1.4	-0.3	25	0.0
NER	Arunachal Pradesh	120	2	2.1	2.2	-0.1	20	0.0
	Assam	1671	43	29.9	23.9	0.0	211	0.3
	Manipur	161	3	2.8	2.3	0.5	27	0.0
	Meghalaya	321	0	6.0	1.9	-0.1	80	0.0
	Mizoram	82	1	1.7	1.4	0.2	20	0.0
	Nagaland	119	2	2.1	2.2	-0.1	50	0.0
	Tripura	255	0	5.3	3.9	0.5	44	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.4	-8.9	-17.1
Day peak (MW)	479.0	-507.0	-856.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	240.2	-233.1	79.2	-86.3	0.1	0.1
Actual(MU)	244.5	-237.3	83.0	-90.2	-3.2	-3.2
O/D/U/D(MU)	4.3	-4.2	3.8	-4.0	-3.3	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4400	16109	9742	350	285	30886
State Sector	6335	10499	3770	2640	50	23294
Total	10735	26608	13512	2990	335	54180

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	659	1253	565	499	11	2986
Lignite	20	14	39	0	0	73
Hydro	340	16	57	74	18	505
Nuclear	27	19	37	0	0	82
Gas, Naptha & Diesel	43	55	16	0	29	143
RES (Wind, Solar, Biomass & Others)	68	133	185	2	0	389
Total	1158	1488	898	574	58	4177

Share of RES in total generation (%)	5.88	8.94	20.64	0.39	0.07	9.31
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.56	11.24	31.05	13.21	31.58	23.35

H. Diversity Factor

All India Demand Diversity Factor	1.027
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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 : **6-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	6	313	0.0	3.7	-3.7
2		SASARAM-FATEHPUR	S/C	1	280	0.0	2.4	-2.4
3		GAYA-BALIA	S/C	0	398	0.0	6.5	-6.5
4	HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	12.1	-12.1
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	85	0.0	1.6	-1.6
7		PUSAULI -ALLAHABAD	S/C	26	24	0.5	0.0	0.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	814	0.0	11.2	-11.2
9		PATNA-BALIA	Q/C	0	1170	0.0	21.5	-21.5
10		BIHARSHARIFF-BALIA	D/C	0	518	0.0	10.4	-10.4
11		MOTIHARI-GORAKHPUR	D/C	0	361	0.0	7.5	-7.5
12		BIHARSHARIFF-VARANASI	D/C	0	297	0.0	3.2	-3.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	181	0.0	3.6	-3.6
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						1.0	85.0	-84.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	797	0	12.9	0.0	12.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	595	14	7.9	0.0	7.9
20		JHARSUGUDA-DURG	D/C	61	87	0.0	0.7	-0.7
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	677	0	11.3	0.0	11.3
22		RANCHI-SIPAT	D/C	187	13	2.7	0.0	2.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	28	49	0.0	0.3	-0.3
24		BUDHIPADAR-KORBA	D/C	102	0	1.5	0.0	1.5
ER-WR						36.3	1.0	35.3
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1964.0	0.0	29.2	-29.2
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	659.0	0.0	16.2	-16.2
27	LINK	TALCHER-KOLAR BIPOLE	D/C	13.0	1783.0	0.0	35.1	-35.1
28	400 kV	TALCHER-I/C	D/C	1782.0	11.0	5.2	0.0	5.2
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	80.5	-80.5
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	468	0.0	6.7	-7
31		ALIPURDUAR-BONGAIGAON	D/C	206	201	0.0	0.5	-1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	9	75	0.0	0.9	-1
ER-NER						0.0	8.1	-8.1
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	504	0.0	12.1	-12.1
NER-NR						0.0	12.1	-12.1
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2308	0.0	26.3	-26.3
35		V'CHAL B/B	D/C	451	0	12.1	0.0	12.1
36		APL -MHG	D/C	0	1451	0.0	36.3	-36.3
37	765 kV	GWALIOR-AGRA	D/C	0	2267	0.0	42.2	-42.2
38		PHAGI-GWALIOR	D/C	0	1155	0.0	21.8	-21.8
39		JABALPUR-ORAI	D/C	0	840	0.0	31.9	-31.9
40		GWALIOR-ORAI	S/C	0	0	0.0	0.0	0.0
41		SATNA-ORAI	S/C	454	0	9.1	0.0	9.1
42		CHITTORGARH-BANASKANTHA	D/C	98	525	0.0	6.7	6.7
43		ZERDA-KANKROLI	S/C	132	57	1.5	0.1	1.4
44	400 kV	ZERDA -BHINMAL	S/C	197	146	1.5	0.0	1.5
45		V'CHAL -RIHAND	S/C	966	0	22.1	0.0	22.1
46		RAPP-SHUJALPUR	D/C	0	361	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	18	56	0.1	0.4	-0.3
48		BHANPURA-MORAK	S/C	0	126	0.0	2.2	-2.2
49		MEHGAON-AURAIYA	S/C	56	0	0.6	0.0	0.6
50		MALANPUR-AURAIYA	S/C	20	31	0.0	0.3	-0.2
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						47.0	170.1	-109.8
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	803	0.0	15.9	-15.9
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	403	1495	0.0	8.3	-8.3
55		WARDHA-NIZAMABAD	D/C	0	0	0.0	0.0	0.0
56	400 kV	KOLHAPUR-KUDGI	D/C	584	397	5.6	0.0	5.6
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	55	1.1	0.0	1.1
WR-SR						6.7	24.1	-17.4
TRANSNATIONAL EXCHANGE								
60		BHUTAN						7.4
61		NEPAL						-8.9
62		BANGLADESH						-17.1