



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: 10th 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 10.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 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

10-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)	54835	47063	37481	20255	2602	162236
Peak Shortage (MW)	872	0	0	0	26	898
Energy Met (MU)	1331	1200	905	467	48	3952
Hydro Gen (MU)	331	12	36	94	18	491
Wind Gen (MU)	14	78	72	-----	-----	163
Solar Gen (MU)*	29.19	23.11	81.29	2.02	0.03	136
Energy Shortage (MU)	15.4	0.0	0.0	0.0	0.6	16.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60760 23:10	53397 00:44	39028 22:45	22060 23:12	2612 19:45	175068 23:12

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	0.047	0.00	0.97	10.19	11.16	77.58	11.26

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	8424	0	188.4	105.8	-1.2	36	0.0
	Haryana	8847	0	179.9	123.4	-0.4	111	0.0
	Rajasthan	11870	0	264.9	80.3	-0.4	615	0.0
	Delhi	6293	0	123.8	105.2	-0.9	225	0.4
	UP	20616	360	443.4	193.9	1.7	752	4.1
	Uttarakhand	1953	0	42.7	18.3	0.7	122	0.0
	HP	1223	0	26.8	1.1	-0.2	66	0.0
	J&K	2181	545	46.0	22.8	-0.7	196	10.9
WR	Chandigarh	284	0	6.1	6.3	-0.1	0	0.0
	Chhattisgarh	3882	0	90.0	33.5	-1.8	224	0.0
	Gujarat	17525	0	387.1	114.8	7.0	568	0.0
	MP	9642	0	219.9	118.7	0.0	449	0.0
	Maharashtra	20832	0	461.6	122.2	-4.1	503	0.0
	Goa	541	0	11.9	9.9	1.4	119	0.0
	DD	322	0	7.4	7.1	0.3	27	0.0
	DNH	733	0	17.1	17.5	-0.4	13	0.0
SR	Essar steel	288	0	5.5	5.7	-0.1	267	0.0
	Andhra Pradesh	9355	0	189.7	54.1	-1.4	453	0.0
	Telangana	7183	0	156.0	68.2	0.2	541	0.0
	Karnataka	8611	0	173.7	53.6	-1.7	446	0.0
	Kerala	3054	0	65.8	52.0	0.8	254	0.0
	Tamil Nadu	13782	0	312.0	136.8	0.0	698	0.0
	Pondy	399	0	8.2	8.5	-0.3	45	0.0
	ER	Bihar	5156	0	105.8	102.1	-1.0	50
DVC		3029	0	66.6	-49.3	2.1	200	0.0
Jharkhand		1297	0	27.0	23.1	-0.3	100	0.0
Odisha		4542	0	91.6	28.4	2.7	600	0.0
West Bengal		8909	0	174.5	41.0	6.6	500	0.0
NER	Sikkim	78	0	1.0	1.1	-0.1	40	0.0
	Arunachal Pradesh	141	0	2.2	2.3	-0.1	27	0.0
	Assam	1629	12	29.3	23.5	0.5	122	0.5
	Manipur	147	1	2.2	2.3	0.0	17	0.0
	Meghalaya	321	0	6.0	1.8	-0.3	36	0.0
	Mizoram	80	1	1.6	1.4	0.1	24	0.0
	Nagaland	128	2	2.3	2.3	-0.1	20	0.0
Tripura	274	0	4.6	3.9	-0.4	46	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.5	-8.2	-25.7
Day peak (MW)	704.6	-501.0	-1120.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	236.5	-239.8	70.0	-66.0	-0.8	0.0
Actual(MU)	229.3	-248.4	67.4	-55.1	-2.4	-9.1
O/D/U/D(MU)	-7.3	-8.6	-2.6	10.9	-1.6	-9.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3464	14619	7432	2175	306	27996
State Sector	5760	11612	6150	2280	50	25852
Total	9224	26231	13582	4455	356	53847

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	642	1256	507	464	9	2879
Lignite	20	17	36	0	0	73
Hydro	331	12	36	94	18	491
Nuclear	27	30	56	0	0	113
Gas, Naptha & Diesel	37	42	15	0	29	123
RES (Wind, Solar, Biomass & Others)	58	108	191	2	0	359
Total	1116	1464	841	561	56	4038

Share of RES in total generation (%)	5.19	7.38	22.71	0.37	0.05	8.89
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.31	10.23	33.59	17.21	32.32	23.85

H. Diversity Factor

All India Demand Diversity Factor	1.016
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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 : **10-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	20	377	0.0	3.9	-3.9
2		SASARAM-FATEHPUR	S/C	211	35	1.4	0.0	1.4
3		GAYA-BALIA	S/C	0	543	0.0	8.8	-8.8
4	HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	12.6	-12.6
5		PUSAULI B/B	S/C	0	398	0.0	1.5	-1.5
6	400 kV	PUSAULI-VARANASI	S/C	0	297	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	61	123	1.0	0.0	1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	532	0.0	9.1	-9.1
9		PATNA-BALIA	Q/C	0	932	0.0	18.1	-18.1
10		BIHARSHARIFF-BALIA	D/C	0	419	0.0	8.3	-8.3
11		MOTIHARI-GORAKHPUR	D/C	0	357	0.0	6.3	-6.3
12		BIHARSHARIFF-VARANASI	D/C	168	24	0.9	0.0	0.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	181	0.0	3.5	-3.5
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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						3.8	74.5	-70.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1708	0	26.6	0.0	26.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	950	0	17.9	0.0	17.9
20		JHARSUGUDA-DURG	D/C	155	17	2.2	0.0	2.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	376	0	6.0	0.0	6.0
22		RANCHI-SIPAT	D/C	327	0	6.9	0.0	6.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	23	59	0.0	0.4	-0.4
24		BUDHIPADAR-KORBA	D/C	170	0	1.6	0.0	1.6
ER-WR						61.2	0.4	60.8
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1867.0	0.0	30.8	-30.8
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	659.0	0.0	15.2	-15.2
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.0	0.0	32.0	-32.0
28	400 kV	TALCHER-I/C	D/C	893.0	187.0	11.3	0.0	11.3
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	78.0	-78.0
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	579	0.0	8.5	-9
31		ALIPURDUAR-BONGAIGAON	D/C	160	221	0.0	1.0	-1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	89	0.0	1.3	-1
ER-NER						0.0	10.9	-10.9
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	14.1	-14.1
NER-NR						0.0	14.1	-14.1
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1002	0.0	23.7	-23.7
35		V'CHAL B/B	D/C	452	0	12.2	0.0	12.2
36		APL -MHG	D/C	0	1452	0.0	36.3	-36.3
37	765 kV	GWALIOR-AGRA	D/C	0	2341	0.0	44.2	-44.2
38		PHAGI-GWALIOR	D/C	0	991	0.0	17.2	-17.2
39		JABALPUR-ORAI	D/C	0	859	0.0	31.3	-31.3
40		GWALIOR-ORAI	S/C	432	0	8.9	0.0	8.9
41		SATNA-ORAI	S/C	0	1418	0.0	29.7	-29.7
42		CHITTORGARH-BANASKANTHA	D/C	0	601	0.0	3.9	3.9
43		ZERDA-KANKROLI	S/C	102	75	0.9	0.2	0.7
44	400 kV	ZERDA -BHINMAL	S/C	159	224	0.0	0.2	-0.2
45		V'CHAL -RIHAND	S/C	970	0	22.6	0.0	22.6
46	220 kV	RAPP-SHUJALPUR	D/C	55	271	0	1	-1
47		BHANPURA-RANPUR	S/C	24	42	0.1	0.5	-0.4
48		BHANPURA-MORAK	S/C	0	84	0.0	1.4	-1.4
49		MEHGAON-AURAIYA	S/C	47	0	0.4	0.0	0.4
50	132kV	MALANPUR-AURAIYA	S/C	12	35	0.0	0.4	-0.4
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						45.1	189.9	-137.0
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	491	0.0	11.3	-11.3
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	568	1296	0.0	3.8	-3.8
55		WARDHA-NIZAMABAD	D/C	0	2205	0.0	31.3	-31.3
56	400 kV	KOLHAPUR-KUDGI	D/C	738	615	2.2	0.0	2.2
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	58	1.1	0.0	1.1
WR-SR						3.3	46.3	-43.1
TRANSNATIONAL EXCHANGE								
60		BHUTAN						11.5
61		NEPAL						-8.2
62		BANGLADESH						-25.7