



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: 12th 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 11.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

12-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)	58158	50642	42951	21079	2780	175610
Peak Shortage (MW)	1092	0	0	0	89	1181
Energy Met (MU)	1415	1225	954	478	52	4124
Hydro Gen (MU)	344	16	34	81	18	493
Wind Gen (MU)	48	80	139	-----	-----	268
Solar Gen (MU)*	30.20	23.19	82.56	2.30	0.05	138
Energy Shortage (MU)	10.4	0.0	0.0	0.0	0.9	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61909 23:23	56695 13:55	43328 19:37	22637 23:19	2837 19:43	182311 22:45

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	0.067	0.27	3.10	9.80	13.17	64.32	22.51

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	9657	0	210.1	125.8	-1.6	147	0.0
	Haryana	9303	88	199.8	134.6	-0.6	237	0.1
	Rajasthan	12395	0	278.0	71.1	-0.6	304	0.0
	Delhi	6711	0	139.1	116.8	0.7	300	0.1
	UP	21138	540	461.2	203.8	1.9	850	0.3
	Uttarakhand	2246	0	48.1	18.8	0.7	138	0.0
	HP	1406	0	30.1	2.6	-0.6	24	0.0
	J&K	2305	576	42.0	21.5	-4.0	235	10.0
WR	Chandigarh	351	0	6.7	7.7	-1.0	11	0.0
	Chhattisgarh	4013	0	91.5	38.6	-1.7	416	0.0
	Gujarat	18207	0	398.0	114.6	3.4	673	0.0
	MP	9849	0	225.2	128.2	0.0	689	0.0
	Maharashtra	21830	0	471.4	119.6	-2.2	640	0.0
	Goa	541	0	11.9	10.0	1.3	115	0.0
	DD	292	0	5.3	5.3	0.0	63	0.0
	DNH	737	0	16.6	17.1	-0.4	112	0.0
SR	Essar steel	275	0	5.3	5.3	0.0	262	0.0
	Andhra Pradesh	9050	0	191.0	31.7	-1.3	498	0.0
	Telangana	7949	0	169.3	59.7	1.0	492	0.0
	Karnataka	9305	0	185.6	52.6	-3.2	490	0.0
	Kerala	3379	0	67.2	55.0	1.3	235	0.0
	Tamil Nadu	15734	0	332.0	145.1	-2.1	499	0.0
	Pondy	436	0	8.8	8.8	-0.1	69	0.0
	Bihar	4922	0	90.2	86.4	-0.7	280	0.0
ER	DVC	3026	0	67.2	-43.3	1.8	250	0.0
	Jharkhand	1149	0	27.2	21.9	-0.3	180	0.0
	Odisha	4937	0	105.6	41.2	4.4	550	0.0
	West Bengal	8899	0	186.4	61.0	0.3	300	0.0
	Sikkim	96	0	1.2	1.1	0.1	25	0.0
NER	Arunachal Pradesh	125	5	2.3	2.4	-0.1	66	0.0
	Assam	1766	35	31.8	26.2	0.9	135	0.8
	Manipur	182	6	2.6	2.4	0.2	20	0.0
	Meghalaya	341	2	5.8	1.1	0.0	46	0.0
	Mizoram	89	4	1.7	1.6	-0.1	7	0.0
	Nagaland	133	5	2.2	2.3	-0.3	20	0.0
	Tripura	292	9	5.8	4.5	0.7	58	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.3	-7.8	-20.4
Day peak (MW)	688.3	-487.3	-1104.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	258.3	-260.8	39.1	-35.2	-1.3	0.1
Actual(MU)	247.8	-251.5	41.0	-41.3	0.5	-3.5
O/D/U/D(MU)	-10.5	9.3	1.8	-6.1	1.8	-3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2994	15130	7982	1950	248	28304
State Sector	5695	11734	5790	3090	50	26359
Total	8689	26864	13772	5040	298	54662

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	648	1247	527	458	11	2891
Lignite	20	18	38	0	0	76
Hydro	344	16	34	81	18	493
Nuclear	27	31	59	0	0	117
Gas, Naptha & Diesel	49	59	15	0	30	153
RES (Wind, Solar, Biomass & Others)	95	111	252	2	0	460
Total	1182	1481	925	541	58	4187

Share of RES in total generation (%)	8.04	7.48	27.20	0.43	0.09	10.98
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.44	10.63	37.21	15.42	30.18	25.52

H. Diversity Factor

All India Demand Diversity Factor	1.028
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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 : 12-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	0	416	0.0	5.6	-5.6	
2		SASARAM-FATEHPUR	S/C	212	32	1.4	0.0	1.4	
3		GAYA-BALIA	S/C	0	537	0.0	9.2	-9.2	
4		HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	12.0	-12.0
5			PUSAULI B/B	S/C	0	399	0.0	9.9	-9.9
6	400 kV	PUSAULI-VARANASI	S/C	0	308	0.0	6.9	-6.9	
7		PUSAULI -ALLAHABAD	S/C	0	147	0.0	2.8	-2.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	654	0.0	9.3	-9.3	
9		PATNA-BALIA	Q/C	0	914	0.0	16.5	-16.5	
10		BIHARSHARIFF-BALIA	D/C	0	415	0.0	7.5	-7.5	
11		MOTIHARI-GORAKHPUR	D/C	0	363	0.0	6.6	-6.6	
12		BIHARSHARIFF-VARANASI	D/C	141	76	0.9	0.0	0.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	17	247	0.0	3.9	-3.9	
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	23	0	0.4	0.0	0.4	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						3.3	90.0	-86.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1922	0	34.1	0.0	34.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	987	0	18.5	0.0	18.5	
20		JHARSUGUDA-DURG	D/C	323	0	5.1	0.0	5.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	502	0	8.9	0.0	8.9	
22		RANCHI-SIPAT	D/C	350	0	5.8	0.0	5.8	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	27	55	0.0	0.2	-0.2	
24		BUDHIPADAR-KORBA	D/C	194	0	3.3	0.0	3.3	
ER-WR						75.6	0.2	75.4	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1754.0	0.0	19.3	-19.3	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	654.0	0.0	14.2	-14.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.0	0.0	29.8	-29.8	
28	400 kV	TALCHER-I/C	D/C	1214.0	427.0	6.3	0.0	6.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	63.2	-63.2	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	492	0.0	8.0	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	174	212	0.0	2.4	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	93	0.0	1.5	-1	
ER-NER						0.0	11.8	-11.8	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	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	1507	0.0	35.9	-35.9	
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1638	0.0	39.6	-39.6	
37	765 kV	GWALIOR-AGRA	D/C	0	2299	0.0	46.3	-46.3	
38		PHAGI-GWALIOR	D/C	0	1157	0.0	19.4	-19.4	
39		JABALPUR-ORAI	D/C	0	903	0.0	34.7	-34.7	
40		GWALIOR-ORAI	S/C	460	0	8.9	0.0	8.9	
41		SATNA-ORAI	S/C	0	1392	0.0	30.1	-30.1	
42		CHITTORGARH-BANASKANTHA	D/C	0	534	0.0	6.2	6.2	
43		ZERDA-KANKROLI	S/C	136	35	1.3	0.0	1.3	
44	400 kV	ZERDA -BHINMAL	S/C	318	0	4.2	0.0	4.2	
45		V'CHAL -RIHAND	S/C	973	0	23.0	0.0	23.0	
46		RAPP-SHUJALPUR	D/C	25	208	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	19	42	0.1	0.4	-0.3	
48		BHANPURA-MORAK	S/C	0	93	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	49	8	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	14	36	0.0	0.5	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						50.0	215.7	-153.3	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	488	0.0	8.1	-8.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1682	1322	5.5	0.0	5.5	
55		WARDHA-NIZAMABAD	D/C	729	2427	0.0	19.7	-19.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	1452	1485	11.6	0.0	11.6	
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	50	1.1	0.0	1.1	
WR-SR						18.1	27.8	-9.7	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						10.3	
61		NEPAL						-7.8	
62		BANGLADESH						-20.4	