



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: 15th 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 14.06.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-जून-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 14th June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

15-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)	59914	48708	43115	21070	2685	175492
Peak Shortage (MW)	490	0	0	0	209	699
Energy Met (MU)	1445	1135	976	487	51	4093
Hydro Gen (MU)	341	9	47	66	16	479
Wind Gen (MU)	14	117	156	-----	-----	288
Solar Gen (MU)*	28.32	22.70	81.14	2.28	0.02	134
Energy Shortage (MU)	11.6	0.0	0.0	0.0	2.3	13.9
Maximum Demand Met during the day (MW) & time (from RLDC SCADA)	65389 23:11	51696 15:21	43163 21:22	23783 00:07	2680 18:52	182591 22:37

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	0.052	0.00	1.12	11.02	12.14	71.39	16.47

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	11041	0	256.0	130.7	-1.6	92	0.0
	Haryana	9355	0	203.2	132.7	-0.3	215	0.0
	Rajasthan	11798	0	257.8	74.4	2.4	412	0.0
	Delhi	6537	0	134.7	114.7	-2.1	118	0.1
	UP	21172	540	453.9	205.1	0.2	678	0.0
	Uttarakhand	2101	0	53.2	18.4	1.0	152	0.0
	HP	1478	0	30.8	4.5	1.1	126	0.0
	J&K	2122	530	48.9	25.3	-0.8	123	11.5
WR	Chandigarh	330	0	6.5	7.6	-1.1	0	0.0
	Chhattisgarh	3982	0	92.8	38.9	0.0	473	0.0
	Gujarat	15335	0	328.7	71.6	7.1	731	0.0
	MP	9206	0	211.2	134.5	-0.1	496	0.0
	Maharashtra	20337	0	460.8	121.1	0.9	524	0.0
	Goa	541	0	11.5	10.4	0.5	102	0.0
	DD	344	0	7.6	7.1	0.5	59	0.0
	DNH	722	0	16.9	17.2	-0.3	129	0.0
SR	Essar steel	309	0	5.4	5.3	0.1	274	0.0
	Andhra Pradesh	9193	0	198.7	40.6	-2.0	408	0.0
	Telangana	7890	0	169.8	49.8	-0.5	389	0.0
	Karnataka	9650	0	190.3	71.8	1.1	556	0.0
	Kerala	3598	0	69.0	55.1	1.5	215	0.0
	Tamil Nadu	15875	0	339.2	131.6	-1.5	970	0.0
	Pondy	430	0	8.8	8.9	-0.1	62	0.0
	ER	Bihar	5334	0	108.2	102.3	3.5	340
DVC		3348	0	67.3	-49.0	-0.6	300	0.0
Jharkhand		1113	0	26.8	21.7	-0.5	150	0.0
Odisha		4581	0	92.3	38.1	1.4	520	0.0
West Bengal		9989	0	190.8	67.4	2.0	350	0.0
NER	Sikkim	93	0	1.3	1.5	-0.2	30	0.0
	Arunachal Pradesh	129	2	2.2	2.3	-0.1	63	0.0
	Assam	1673	142	31.0	25.7	0.5	194	2.2
	Manipur	156	4	2.7	2.3	0.4	30	0.0
	Meghalaya	333	0	6.1	1.1	0.2	86	0.0
	Mizoram	86	1	1.7	1.3	0.2	15	0.0
	Nagaland	131	3	2.2	2.4	-0.3	41	0.0
	Tripura	267	5	5.4	4.5	0.0	24	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.2	-10.7	-20.2
Day peak (MW)	820.8	-522.9	-1134.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	262.6	-270.4	40.4	-32.1	-0.9	-0.4
Actual(MU)	270.0	-277.0	37.4	-24.2	-2.9	3.3
O/D/U/D(MU)	7.4	-6.6	-3.0	7.9	-2.0	3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3204	13312	7372	1700	81	25669
State Sector	5985	16157	6210	2700	50	31102
Total	9189	29469	13582	4400	131	56771

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	687	1170	509	474	14	2853
Lignite	25	12	40	0	0	76
Hydro	341	9	47	66	16	479
Nuclear	17	20	59	0	0	97
Gas, Naptha & Diesel	50	41	16	0	29	136
RES (Wind, Solar, Biomass & Others)	58	151	277	2	0	488
Total	1178	1403	947	542	60	4128

Share of RES in total generation (%)	4.91	10.75	29.26	0.43	0.03	11.82
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.35	12.81	40.44	12.61	27.44	25.76

H. Diversity Factor

All India Demand Diversity Factor	1.023
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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 : 15-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	388	0.0	5.5	-5.5	
2		SASARAM-FATEHPUR	S/C	318	0	5.0	0.0	5.0	
3		GAYA-BALIA	S/C	0	475	0.0	9.3	-9.3	
4		HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	12.3	-12.3
5			PUSAULI B/B	S/C	0	400	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	309	0.0	6.9	-6.9	
7		PUSAULI -ALLAHABAD	S/C	0	148	0.0	2.7	-2.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	38	579	0.0	8.0	-8.0	
9		PATNA-BALIA	Q/C	0	965	0.0	17.7	-17.7	
10		BIHARSHARIFF-BALIA	D/C	0	275	0.0	5.2	-5.2	
11		MOTIHARI-GORAKHPUR	D/C	195	0	6.1	0.0	6.1	
12		BIHARSHARIFF-VARANASI	D/C	216	0	2.4	0.0	2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	207	0.0	4.3	-4.3	
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						14.0	81.7	-67.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1340	0	26.0	0.0	26.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1046	0	17.1	0.0	17.1	
20		JHARSUGUDA-DURG	D/C	265	0	3.7	0.0	3.7	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	430	0	8.3	0.0	8.3	
22		RANCHI-SIPAT	D/C	370	0	6.8	0.0	6.8	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	29	46	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	187	0	3.5	0.0	3.5	
ER-WR						65.5	0.3	65.2	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1607.0	0.0	21.2	-21.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	2655.0	400.0	0.0	8.8	-8.8	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1490.0	0.0	33.5	-33.5	
28	400 kV	TALCHER-I/C	D/C	597.0	0.0	7.8	0.0	7.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	63.5	-63.5	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	406	0.0	6.6	-7	
31		ALIPURDUAR-BONGAIGAON	D/C	225	140	0.0	0.6	-1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	67	0.0	1.0	-1	
ER-NER						0.0	8.2	-8.2	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.9	-11.9	
NER-NR						0.0	11.9	-11.9	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2511	0.0	59.3	-59.3	
35		V'CHAL B/B	D/C	451	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1359	0.0	33.9	-33.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2457	0.0	49.0	-49.0	
38		PHAGI-GWALIOR	D/C	0	1079	0.0	18.7	-18.7	
39		JABALPUR-ORAI	D/C	0	852	0.0	35.1	-35.1	
40		GWALIOR-ORAI	S/C	433	0	8.4	0.0	8.4	
41		SATNA-ORAI	S/C	0	1386	0.0	31.5	-31.5	
42		CHITTORGARH-BANASKANTHA	D/C	0	800	0.0	14.7	14.7	
43		ZERDA-KANKROLI	S/C	61	99	0.0	1.4	-1.4	
44	400 kV	ZERDA -BHINMAL	S/C	90	159	0.1	1.8	-1.7	
45		V'CHAL -RIHAND	S/C	984	0	22.3	0.0	22.3	
46		RAPP-SHUJALPUR	D/C	48	206	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	52	30	0.3	0.2	0.1	
48		BHANPURA-MORAK	S/C	11	64	0.0	0.7	-0.7	
49		MEHGAON-AURAIYA	S/C	56	15	0.5	0.0	0.5	
50		MALANPUR-AURAIYA	S/C	19	31	0.0	0.2	-0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						43.8	247.8	-174.6	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	495	0.0	10.9	-10.9	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1444	895	1.1	0.0	1.1	
55		WARDHA-NIZAMABAD	D/C	641	1771	0.0	16.2	-16.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	1232	0	13.6	0.0	13.6	
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	1	0	0.0	0.0	0.0	
WR-SR						14.8	27.1	-12.3	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						10.2	
61		NEPAL						-10.7	
62		BANGLADESH						-20.2	