



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: 18th 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 17.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

18-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)	47761	46830	42282	21205	2632	160710
Peak Shortage (MW)	415	0	-30	0	136	521
Energy Met (MU)	1282	1125	1009	478	49	3944
Hydro Gen (MU)	346	13	56	77	21	513
Wind Gen (MU)	52	172	188	-----	-----	412
Solar Gen (MU)*	27.57	21.22	87.08	2.23	0.03	138
Energy Shortage (MU)	11.2	0.0	0.1	0.0	3.1	14.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59192 00:10	50495 23:20	43490 22:22	22438 00:03	2749 19:10	171225 00:08

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	0.046	0.00	1.02	4.73	5.75	64.83	29.42

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	11824	0	232.0	134.0	-10.1	13	0.0
	Haryana	8229	0	169.4	124.3	-2.9	149	0.0
	Rajasthan	10496	0	235.1	48.7	-2.0	310	1.2
	Delhi	5920	0	114.8	96.6	-1.4	149	0.0
	UP	19302	0	405.1	197.1	0.7	442	0.0
	Uttarakhand	2018	0	41.8	16.5	-0.9	166	0.0
	HP	1454	0	29.0	2.1	1.1	147	0.0
	J&K	2203	551	49.3	20.2	-2.2	244	10.0
WR	Chandigarh	327	0	6.0	7.1	-1.1	10	0.0
	Chhattisgarh	3654	0	83.8	28.1	-1.5	276	0.0
	Gujarat	14751	0	330.9	70.0	4.3	1767	0.0
	MP	8637	0	195.0	91.1	0.0	422	0.0
	Maharashtra	21163	0	473.9	114.5	-0.7	565	0.0
	Goa	541	0	11.5	12.5	-1.6	153	0.0
	DD	334	0	7.3	6.9	0.4	46	0.0
	DNH	755	0	17.5	17.7	-0.2	41	0.0
SR	Essar steel	305	0	5.4	5.7	-0.3	-	0.0
	Andhra Pradesh	9100	0	193.4	36.6	-0.8	776	0.0
	Telangana	7619	0	166.1	48.7	0.2	568	0.0
	Karnataka	10897	0	218.2	59.3	3.2	811	0.0
	Kerala	3697	0	75.0	54.1	2.1	329	0.0
	Tamil Nadu	15797	0	347.5	132.7	4.3	1066	0.0
	Pondy	434	20	8.9	8.9	0.0	80	0.1
	Bihar	5291	0	108.7	105.2	0.9	30	0.0
ER	DVC	3003	0	66.3	-41.2	0.1	120	0.0
	Jharkhand	1326	0	27.2	22.3	-0.4	100	0.0
	Odisha	4168	0	87.4	30.4	3.2	310	0.0
	West Bengal	9271	0	187.7	65.2	2.7	250	0.0
	Sikkim	95	0	1.2	0.9	0.2	60	0.0
NER	Arunachal Pradesh	132	1	2.4	3.4	-1.0	23	0.0
	Assam	1682	68	30.2	25.0	0.6	197	3.0
	Manipur	166	2	2.3	2.4	-0.2	34	0.0
	Meghalaya	309	0	5.1	2.9	-0.1	121	0.0
	Mizoram	94	1	1.5	1.6	-0.1	14	0.0
	Nagaland	130	3	2.3	2.4	-0.2	24	0.0
	Tripura	302	2	5.0	4.9	-0.2	52	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	17.6	-10.0	-26.6
Day peak (MW)	1283.8	-567.6	-1139.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	249.4	-250.5	48.1	-43.9	-2.5	0.7
Actual(MU)	215.0	-273.7	85.3	-22.4	-4.1	0.1
O/D/U/D(MU)	-34.5	-23.2	37.2	21.5	-1.7	-0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4081	14872	8442	1350	90	28835
State Sector	6820	15372	6720	2700	50	31662
Total	10901	30244	15162	4050	139	60496

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	566	1124	457	438	11	2595
Lignite	16	14	36	0	0	66
Hydro	346	13	56	77	21	513
Nuclear	27	28	54	0	0	109
Gas, Naptha & Diesel	43	37	14	0	29	124
RES (Wind, Solar, Biomass & Others)	93	205	313	2	0	613
Total	1092	1420	930	517	61	4020

Share of RES in total generation (%)	8.50	14.41	33.62	0.44	0.05	15.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.72	17.27	45.44	15.36	34.46	30.71

H. Diversity Factor

All India Demand Diversity Factor	1.042
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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 : 18-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	362	369	0.0	3.2	-3.2	
2		SASARAM-FATEHPUR	S/C	461	40	3.8	0.0	3.8	
3		GAYA-BALIA	S/C	0	434	0.0	8.2	-8.2	
4		ALIPURDUAR-AGRA	-	0	502	0.0	11.5	-11.5	
5		PUSAULI B/B	S/C	0	399	0.0	9.3	-9.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	348	0.0	6.7	-6.7	
7		PUSAULI -ALLAHABAD	S/C	0	157	0.0	2.4	-2.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	351	783	0.0	7.2	-7.2	
9		PATNA-BALIA	Q/C	183	933	0.0	10.8	-10.8	
10		BIHARSHARIFF-BALIA	D/C	86	295	0.0	4.3	-4.3	
11		MOTIHARI-GORAKHPUR	D/C	172	0	5.6	0.0	5.6	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	463	76	3.2	0.0	3.2	
13		PUSAULI-SAHUPURI	S/C	0	168	0.0	2.2	-2.2	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
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						13.1	65.6	-52.5	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2476	0	32.7	0.0	32.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1279	0	19.5	0.0	19.5	
20		JHARSUGUDA-DURG	D/C	342	37	4.3	0.0	4.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	601	0	10.8	0.0	10.8	
22		RANCHI-SIPAT	D/C	435	0	6.1	0.0	6.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	49	79	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	236	0	2.2	0.0	2.2	
ER-WR						75.6	0.3	75.3	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1848.0	0.0	31.1	-31.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	470.0	0.0	9.9	-9.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2261.0	0.0	33.6	-33.6	
28	400 kV	TALCHER-I/C	D/C	558.0	906.0	0.0	5.6	-5.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	74.7	-74.7	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	492	0.0	5.4	-5	
31		ALIPURDUAR-BONGAIGAON	D/C	147	270	0.0	0.1	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	91	0.0	0.8	-1	
ER-NER						0.0	6.3	-6.3	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.8	-11.8	
NER-NR						0.0	11.8	-11.8	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2005	0.0	37.0	-37.0	
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1729	0.0	37.5	-37.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2461	0.0	46.4	-46.4	
38		PHAGI-GWALIOR	D/C	0	1108	0.0	18.0	-18.0	
39		JABALPUR-ORAI	D/C	0	889	0.0	31.3	-31.3	
40		GWALIOR-ORAI	S/C	417	0	7.6	0.0	7.6	
41		SATNA-ORAI	S/C	0	1418	0.0	29.7	-29.7	
42		CHITTORGARH-BANASKANTHA	D/C	145	383	0.0	2.2	2.2	
43	400 kV	ZERDA-KANKROLI	S/C	158	16	1.7	0.0	1.7	
44		ZERDA -BHINMAL	S/C	364	6	4.5	0.0	4.5	
45		V'CHAL -RIHAND	S/C	980	0	22.1	0.0	22.1	
46		RAPP-SHUJALPUR	D/C	132	271	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	64	15	0.6	0.0	0.6	
48		BHANPURA-MORAK	S/C	0	133	0.0	2.2	-2.2	
49		MEHGAON-AURAIYA	S/C	56	5	0.5	0.0	0.5	
50		MALANPUR-AURAIYA	S/C	32	18	0.1	0.1	0.0	
51		132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						49.4	205.4	-151.6	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	481	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	544	1407	0.0	8.0	-8.0	
55		WARDHA-NIZAMABAD	D/C	0	2300	0.0	28.7	-28.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	751	103	7.6	0.0	7.6	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	3	0	0.1	0.0	0.1	
59		XELDEM-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
WR-SR						7.7	48.0	-40.3	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						17.6	
61		NEPAL						-10.0	
62		BANGLADESH						-26.6	