



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: 24th 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 23.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-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 23rd June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

24-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)	52861	44947	36925	19707	2725	157165
Peak Shortage (MW)	512	0	0	0	138	650
Energy Met (MU)	1314	1076	879	434	53	3755
Hydro Gen (MU)	322	7	35	92	16	472
Wind Gen (MU)	17	53	113	-----	-----	183
Solar Gen (MU)*	26.43	21.2	62.79	2.50	0.04	113
Energy Shortage (MU)	10.0	0.0	0.0	0.0	1.3	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61707 00:08	47541 00:00	37870 00:00	22053 22:01	2672 21:34	170107 00:00

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	0.048	0.00	0.67	9.41	10.08	69.53	20.39

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	Energy Shortage (MU)
NR	Punjab	11561	0	259.3	129.9	-1.2	106	0.0
	Haryana	9115	0	196.1	141.4	-0.6	185	0.2
	Rajasthan	10895	0	240.1	67.9	-0.1	437	0.0
	Delhi	6113	0	121.0	100.6	0.6	400	0.1
	UP	19898	0	382.0	182.4	-0.8	628	0.0
	Uttarakhand	1844	0	40.8	15.6	-0.8	149	0.0
	HP	1322	0	28.2	4.6	0.9	136	0.0
	J&K	2141	535	41.0	18.8	-2.4	102	9.7
WR	Chandigarh	278	0	5.6	6.3	-0.7	30	0.0
	Chhattisgarh	3428	0	76.7	30.0	-1.5	216	0.0
	Gujarat	15422	0	335.9	89.6	6.1	660	0.0
	MP	8413	0	189.1	104.9	-0.1	522	0.0
	Maharashtra	18978	0	429.1	125.6	-1.9	615	0.0
	Goa	541	0	12.4	10.7	1.1	66	0.0
	DD	318	0	7.2	7.0	0.2	38	0.0
	DNH	768	0	18.2	18.5	-0.3	28	0.0
SR	Essar steel	399	0	7.8	7.9	-0.1	335	0.0
	Andhra Pradesh	8087	0	169.6	36.0	-0.3	609	0.0
	Telangana	6692	0	144.8	40.2	-0.4	521	0.0
	Karnataka	9787	0	182.3	70.8	0.1	688	0.0
	Kerala	3296	0	63.4	51.8	1.6	214	0.0
	Tamil Nadu	14196	0	310.1	121.2	0.4	903	0.0
	Pondy	438	0	8.7	8.8	-0.1	64	0.0
	ER	Bihar	5258	0	97.7	95.8	0.6	350
DVC		3054	0	62.7	-49.4	-1.6	50	0.0
Jharkhand		1113	0	24.0	14.6	0.0	150	0.0
Odisha		4118	0	84.3	24.4	4.2	550	0.0
West Bengal		8489	0	163.8	42.4	4.0	350	0.0
NER	Sikkim	83	0	1.0	0.9	0.1	30	0.0
	Arunachal Pradesh	125	1	2.3	2.4	-0.1	67	0.0
	Assam	1748	72	32.3	27.0	0.7	123	1.2
	Manipur	168	2	2.5	2.4	0.2	14	0.0
	Meghalaya	322	0	6.0	2.4	0.2	47	0.0
	Mizoram	92	2	1.8	1.4	0.3	7	0.0
	Nagaland	126	1	2.4	2.4	-0.1	50	0.0
	Tripura	281	7	5.3	4.6	0.2	52	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.2	-9.4	-26.0
Day peak (MW)	798.1	-568.5	-1122.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	276.1	-247.6	38.1	-66.1	-0.4	0.2
Actual(MU)	276.1	-262.3	42.5	-53.6	1.0	3.7
O/D/U/D(MU)	-0.1	-14.7	4.5	12.5	1.4	3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4977	13966	9012	3320	190	31464
State Sector	6385	13733	6510	3030	50	29708
Total	11362	27699	15522	6350	239	61172

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	588	1175	483	415	12	2674
Lignite	24	14	42	0	0	80
Hydro	322	7	35	92	16	472
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	48	45	13	0	30	135
RES (Wind, Solar, Biomass & Others)	58	79	215	3	0	354
Total	1067	1350	842	510	58	3827

Share of RES in total generation (%)	5.41	5.83	25.48	0.50	0.07	9.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.18	8.64	36.09	18.56	27.58	24.52

H. Diversity Factor

All India Demand Diversity Factor	1.010
-----------------------------------	-------

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 : 24-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	547	0.0	9.3	-9.3	
2		SASARAM-FATEHPUR	S/C	130	246	0.0	1.9	-1.9	
3		GAYA-BALIA	S/C	0	494	0.0	7.6	-7.6	
4		ALIPURDUAR-AGRA	-	0	400	0.0	9.7	-9.7	
5		PUSAULI B/B	S/C	0	196	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	187	0.0	3.4	-3.4	
7		PUSAULI -ALLAHABAD	S/C	0	95	0.0	1.3	-1.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	617	0.0	8.8	-8.8	
9		PATNA-BALIA	Q/C	0	1054	0.0	21.3	-21.3	
10		BIHARSHARIFF-BALIA	D/C	0	264	0.0	5.3	-5.3	
11		MOTIHARI-GORAKHPUR	D/C	302	0	4.5	0.0	4.5	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	179	151	0.0	0.7	-0.7	
13		PUSAULI-SAHUPURI	S/C	0	181	0.0	2.8	-2.8	
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						5.0	76.8	-71.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1488	0	16.6	0.0	16.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1201	0	16.9	0.0	16.9	
20		JHARSUGUDA-DURG	D/C	222	82	1.8	0.0	1.8	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	473	0	6.3	0.0	6.3	
22		RANCHI-SIPAT	D/C	423	0	7.8	0.0	7.8	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	8	74	0.0	0.8	-0.8	
24		BUDHIPADAR-KORBA	D/C	153	0	2.4	0.0	2.4	
ER-WR						51.8	0.8	51.0	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1701.0	0.0	23.8	-23.8	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	404.0	0.0	9.3	-9.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1283.0	0.0	17.8	-17.8	
28	400 kV	TALCHER-I/C	D/C	668.0	0.0	8.8	0.0	8.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	50.9	-50.9	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	483	0.0	7.6	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	62	280	0.0	3.3	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	76	0.0	1.2	-1	
ER-NER						0.0	12.0	-12.0	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.2	-12.2	
NER-NR						0.0	12.2	-12.2	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2004	0.0	47.6	-47.6	
35		V'CHAL B/B	D/C	452	0	10.4	0.0	10.4	
36		APL -MHG	D/C	0	1731	0.0	43.6	-43.6	
37	765 kV	GWALIOR-AGRA	D/C	0	2692	0.0	50.4	-50.4	
38		PHAGI-GWALIOR	D/C	0	1358	0.0	27.1	-27.1	
39		JABALPUR-ORAI	D/C	0	999	0.0	38.6	-38.6	
40		GWALIOR-ORAI	S/C	513	0	11.0	0.0	11.0	
41		SATNA-ORAI	S/C	0	1500	0.0	31.0	-31.0	
42		CHITTORGARH-BANASKANTHA	D/C	451	250	0.0	1.9	1.9	
43	400 kV	ZERDA-KANKROLI	S/C	181	28	2.1	0.0	2.0	
44		ZERDA -BHINMAL	S/C	268	23	3.4	0.0	3.4	
45		V'CHAL -RIHAND	S/C	975	0	22.7	0.0	22.7	
46		RAPP-SHUJALPUR	D/C	0	400	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	25	53	0.1	0.5	-0.4	
48		BHANPURA-MORAK	S/C	0	95	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	64	12	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	31	44	0.1	0.4	-0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						50.1	245.4	-191.5	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	505	0.0	10.8	-10.8	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	685	1032	0.0	5.2	-5.2	
55		WARDHA-NIZAMABAD	D/C	133	1534	0.0	15.4	-15.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	854	0	12.0	0.0	12.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	3	92	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	1	51	0.8	0.0	0.8	
WR-SR						12.8	32.7	-20.0	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						13.2	
61		NEPAL						-9.4	
62		BANGLADESH						-26.0	