



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: 28th 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 27.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

28-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)	60858	47305	41658	20873	2696	173390
Peak Shortage (MW)	1037	0	0	0	171	1208
Energy Met (MU)	1439	1115	960	463	50	4027
Hydro Gen (MU)	349	11	26	96	22	505
Wind Gen (MU)	40	96	192	-----	-----	328
Solar Gen (MU)*	28.32	20.5	75.99	2.19	0.03	127
Energy Shortage (MU)	11.0	0.0	0.0	0.0	3.4	14.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	65132 23:07	50104 15:27	41064 11:37	22259 21:16	2718 19:29	177040 22:33

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	0.026	0.00	0.00	1.93	1.93	74.39	23.68

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	12584	0	269.4	133.4	0.1	650	0.0
	Haryana	9970	0	219.1	152.1	0.2	227	0.0
	Rajasthan	11565	0	249.5	60.7	1.7	650	0.0
	Delhi	6469	0	135.2	113.7	0.1	228	0.1
	UP	20339	1540	435.1	201.6	2.2	641	0.0
	Uttarakhand	2045	0	46.7	17.8	0.3	123	0.0
	HP	1472	0	31.3	1.7	0.6	99	0.0
	J&K	2111	528	46.0	20.7	0.5	324	10.9
WR	Chandigarh	325	0	6.4	7.0	-0.6	52	0.0
	Chhattisgarh	3784	0	89.6	35.7	-1.1	263	0.0
	Gujarat	15676	0	340.2	68.3	5.6	944	0.0
	MP	8504	0	191.7	102.1	0.0	550	0.0
	Maharashtra	20036	0	448.7	120.0	1.0	544	0.0
	Goa	541	0	12.4	11.2	0.6	55	0.0
	DD	344	0	7.8	7.3	0.5	114	0.0
	DNH	824	0	19.1	19.2	-0.1	148	0.0
SR	Essar steel	316	0	5.2	5.1	0.1	293	0.0
	Andhra Pradesh	8121	0	178.2	11.2	-0.1	498	0.0
	Telangana	7689	0	165.6	43.7	0.2	492	0.0
	Karnataka	10302	0	198.2	64.0	-2.3	496	0.0
	Kerala	3831	0	75.9	63.5	2.2	271	0.0
	Tamil Nadu	14609	0	334.0	136.1	1.4	492	0.0
	Pondy	408	0	8.5	8.8	-0.4	38	0.0
	Bihar	5510	0	95.6	95.9	-2.8	336	0.0
ER	DVC	3156	0	66.1	-42.2	0.7	200	0.0
	Jharkhand	999	0	21.6	15.2	-2.7	75	0.0
	Odisha	4477	0	96.4	43.3	2.0	606	0.0
	West Bengal	9041	0	182.4	68.7	0.7	680	0.0
	Sikkim	96	0	1.3	1.5	-0.3	15	0.0
NER	Arunachal Pradesh	130	2	2.2	3.3	-1.1	68	0.0
	Assam	1693	180	28.4	22.9	1.2	127	3.0
	Manipur	142	1	2.6	2.3	0.2	22	0.0
	Meghalaya	319	2	5.8	2.0	-0.2	78	0.0
	Mizoram	93	0	2.0	1.4	0.3	10	0.0
	Nagaland	127	1	2.3	2.3	0.0	32	0.0
	Tripura	291	2	6.6	5.2	1.3	96	0.3

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	20.9	-7.9	-25.9
Day peak (MW)	1307.0	-483.8	-1113.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	299.1	-271.3	8.0	-30.4	-5.3	0.1
Actual(MU)	303.9	-277.1	25.3	-40.6	-7.4	4.2
O/D/U/D(MU)	4.9	-5.8	17.3	-10.2	-2.1	4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4345	15528	6792	2220	194	29079
State Sector	5780	14666	6620	3300	86	30452
Total	10125	30194	13412	5520	279	59530

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	636	1168	511	423	12	2750
Lignite	17	17	47	0	0	81
Hydro	349	11	26	96	22	505
Nuclear	27	31	54	0	0	112
Gas, Naptha & Diesel	32	42	14	0	27	114
RES (Wind, Solar, Biomass & Others)	85	125	305	2	0	516
Total	1146	1394	957	521	61	4079

Share of RES in total generation (%)	7.38	8.95	31.82	0.43	0.05	12.65
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.21	11.96	40.25	18.88	36.52	27.79

H. Diversity Factor

All India Demand Diversity Factor	1.024
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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 : 28-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	519	0.0	6.8	-6.8	
2		SASARAM-FATEHPUR	S/C	158	142	0.5	0.0	0.5	
3		GAYA-BALIA	S/C	0	488	0.0	8.4	-8.4	
4		ALIPURDUAR-AGRA	-	0	701	0.0	18.0	-18.0	
5		PUSAULI B/B	S/C	0	196	0.0	5.1	-5.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	192	0.0	4.0	-4.0	
7		PUSAULI -ALLAHABAD	S/C	0	88	0.0	0.9	-0.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1022	0.0	15.5	-15.5	
9		PATNA-BALIA	Q/C	0	1049	0.0	16.1	-16.1	
10		BIHARSHARIFF-BALIA	D/C	0	371	0.0	6.7	-6.7	
11		MOTIHARI-GORAKHPUR	D/C	280	222	4.3	0.0	4.3	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	97	244	0.0	0.6	-0.6	
13		PUSAULI-SAHUPURI	S/C	0	206	0.0	3.8	-3.8	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	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						5.3	85.9	-80.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1149	0	21.9	0.0	21.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1362	0	20.1	0.0	20.1	
20		JHARSUGUDA-DURG	D/C	252	91	3.0	0.0	3.0	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	472	0	6.7	0.0	6.7	
22		RANCHI-SIPAT	D/C	510	0	7.7	0.0	7.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	29	53	0.0	0.1	-0.1	
24		BUDHIPADAR-KORBA	D/C	257	0	4.9	0.0	4.9	
ER-WR						64.3	0.1	64.2	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	125.0	1483.0	0.0	16.5	-16.5	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	415.0	0.0	7.6	-7.6	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.0	0.0	30.4	-30.4	
28	400 kV	TALCHER-I/C	D/C	355.0	730.0	0.0	0.5	-0.5	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	54.5	-54.5	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	406	0.0	3.9	-4	
31		ALIPURDUAR-BONGAIGAON	D/C	220	164	1.8	0.0	2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	90	0.0	1.0	-1	
ER-NER						1.8	4.9	-3.1	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	504	0.0	12.0	-12.0	
NER-NR						0.0	12.0	-12.0	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3002	0.0	53.8	-53.8	
35		V'CHAL B/B	D/C	94	255	1.4	1.1	0.2	
36		APL -MHG	D/C	0	2363	0.0	43.7	-43.7	
37	765 kV	GWALIOR-AGRA	D/C	0	3023	0.0	52.6	-52.6	
38		PHAGI-GWALIOR	D/C	0	1452	0.0	25.9	-25.9	
39		JABALPUR-ORAI	D/C	0	1120	0.0	41.8	-41.8	
40		GWALIOR-ORAI	S/C	757	21	9.7	0.0	9.7	
41		SATNA-ORAI	S/C	0	1836	0.0	31.9	-31.9	
42		CHITTORGARH-BANASKANTHA	D/C	150	462	4.3	0.7	3.6	
43	400 kV	ZERDA-KANKROLI	S/C	110	47	0.8	0.1	0.8	
44		ZERDA -BHINMAL	S/C	240	87	2.5	0.1	2.4	
45		V'CHAL -RIHAND	S/C	962	0	22.1	0.0	22.1	
46		RAPP-SHUJALPUR	D/C	2	413	0	5	-5	
47	220 kV	BHANPURA-RANPUR	S/C	11	57	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	148	0.0	1.9	-1.9	
49		MEHGAON-AURAIYA	S/C	47	36	0.1	0.1	0.0	
50		MALANPUR-AURAIYA	S/C	16	60	0.0	0.7	-0.7	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						40.9	260.0	-219.1	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	483	999	1.5	9.8	-8.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1726	633	0.0	11.6	-11.6	
55		WARDHA-NIZAMABAD	D/C	1016	1139	0.0	5.6	-5.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	1433	1319	20.3	0.0	20.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	75	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	41	0.7	0.0	0.7	
WR-SR						22.5	28.3	-5.7	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						20.9	
61		NEPAL						-7.9	
62		BANGLADESH						-25.9	