



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: 09th July 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 08.07.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-जुलाई-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 08th July 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

9-Jul-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)	57970	44095	41957	19510	2550	166082
Peak Shortage (MW)	564	0	0	0	187	751
Energy Met (MU)	1346	1010	942	417	46	3761
Hydro Gen (MU)	356	18	41	126	27	567
Wind Gen (MU)	52	141	208	-----	-----	401
Solar Gen (MU)*	25.76	18.00	73.66	1.88	0.02	119
Energy Shortage (MU)	11.1	0.0	0.0	0.0	3.6	14.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62019 22:19	46266 19:37	41883 19:43	20900 20:42	2540 19:45	170458 20:29

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	0.034	0.00	0.00	3.70	3.70	66.85	29.44

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	12602	0	291.7	150.3	-1.8	52	0.0
	Haryana	9782	0	214.9	165.8	0.8	242	0.0
	Rajasthan	9958	0	218.1	56.5	-1.6	282	0.0
	Delhi	6305	0	130.2	109.6	0.5	317	0.0
	UP	18605	0	368.4	181.0	-0.6	645	0.0
	Uttarakhand	2034	0	43.9	15.0	0.0	83	0.0
	HP	1360	0	28.1	-0.5	-0.3	67	0.6
	J&K	2286	571	44.1	21.3	1.3	236	10.5
WR	Chandigarh	346	0	6.5	7.2	-0.7	6	0.0
	Chhattisgarh	3482	0	82.5	22.6	-1.4	297	0.0
	Gujarat	15005	0	331.7	72.3	3.6	521	0.0
	MP	7558	0	160.3	58.9	0.0	871	0.0
	Maharashtra	17706	0	392.3	102.3	5.1	812	0.0
	Goa	541	0	11.6	10.7	0.3	76	0.0
	DD	324	0	7.2	6.8	0.4	51	0.0
	DNH	790	0	18.2	18.3	-0.1	63	0.0
SR	Essar steel	341	0	6.1	5.8	0.3	300	0.0
	Andhra Pradesh	8588	0	182.5	2.6	1.3	704	0.0
	Telangana	7228	0	155.9	61.1	1.1	528	0.0
	Karnataka	9895	0	188.5	50.1	1.7	806	0.0
	Kerala	3512	0	69.2	56.6	2.9	301	0.0
	Tamil Nadu	15645	0	336.8	139.6	0.4	682	0.0
	Pondy	432	0	8.9	8.9	-0.1	83	0.0
	Bihar	4341	0	78.9	76.6	-1.3	235	0.0
ER	DVC	2915	0	65.3	-41.0	-0.1	310	0.0
	Jharkhand	1131	0	23.5	15.3	-0.2	135	0.0
	Odisha	4007	0	84.0	34.7	3.2	350	0.0
	West Bengal	8007	0	164.1	58.1	3.2	385	0.0
	Sikkim	83	0	1.0	1.1	-0.1	18	0.0
NER	Arunachal Pradesh	128	1	2.5	3.3	-0.8	40	0.0
	Assam	1575	150	27.6	21.5	1.4	128	3.5
	Manipur	156	2	2.3	2.5	-0.3	18	0.0
	Meghalaya	317	0	5.6	2.0	-0.4	45	0.0
	Mizoram	89	2	1.7	1.7	-0.2	8	0.0
	Nagaland	130	2	2.3	2.3	-0.2	47	0.0
	Tripura	255	3	4.5	4.1	-0.2	44	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	44.6	-6.7	-26.5
Day peak (MW)	1956.8	-397.6	-1132.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	302.9	-272.3	48.6	-73.4	-5.9	0.0
Actual(MU)	305.1	-268.9	70.0	-93.4	-9.2	3.7
O/D/U/D(MU)	2.3	3.4	21.4	-20.0	-3.3	3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5510	17661	9442	2420	306	35339
State Sector	9275	15844	7900	4460	50	37529
Total	14785	33505	17342	6880	356	72867

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	541	1017	412	400	8	2378
Lignite	17	14	37	0	0	67
Hydro	356	18	41	126	27	567
Nuclear	27	28	55	0	0	111
Gas, Naptha & Diesel	31	41	16	0	27	115
RES (Wind, Solar, Biomass & Others)	92	165	321	2	0	581
Total	1064	1283	881	529	61	3818

Share of RES in total generation (%)	8.66	12.89	36.47	0.36	0.03	15.22
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.62	16.47	47.35	24.24	43.96	32.95

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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 : 9-Jul-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	539	0.0	9.1	-9.1
2		SASARAM-FATEHPUR	S/C	165	120	1.2	0.0	1.2
3		GAYA-BALIA	S/C	0	416	0.0	7.8	-7.8
4		ALIPURDUAR-AGRA	-	0	1554	0.0	34.2	-34.2
5		PUSAULI B/B	S/C	2	348	0.0	8.2	-8.2
6	400 kV	PUSAULI-VARANASI	S/C	0	251	0.0	4.9	-4.9
7		PUSAULI -ALLAHABAD	S/C	29	178	0.0	3.1	-3.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	892	0.0	14.1	-14.1
9		PATNA-BALIA	Q/C	0	980	0.0	17.5	-17.5
10		BIHARSHARIFF-BALIA	D/C	0	292	0.0	5.4	-5.4
11	220 kV	MOTIHARI-GORAKHPUR	D/C	210	0	3.9	0.0	3.9
12		BIHARSHARIFF-VARANASI	D/C	129	234	0.0	1.2	-1.2
13	132 kV	PUSAULI-SAHUPURI	S/C	0	158	0.0	3.0	-3.0
14		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						5.4	108.4	-103.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1766	0	29.8	0.0	29.8
19		NEW RANCHI-DHARAMAJGARH	D/C	946	102	12.2	0.0	12.2
20		JHARSUGUDA-DURG	D/C	310	34	4.2	0.0	4.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	569	0	8.3	0.0	8.3
22		RANCHI-SIPAT	D/C	417	0	5.5	0.0	5.5
23	220 kV	BUDHIPADAR-RAIGARH	S/C	19	70	0.0	0.6	-0.6
24		BUDHIPADAR-KORBA	D/C	279	0	5.0	0.0	5.0
ER-WR						65.2	0.6	64.6
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1558.0	0.0	17.2	-17.2
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	420.0	0.0	9.9	-9.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1988.0	0.0	41.1	-41.1
28	400 kV	TALCHER-I/C	D/C	0.0	1677.0	0.0	28.0	-28.0
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	68.2	-68.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	582	0.0	8.2	-8
31		ALIPURDUAR-BONGAIGAON	D/C	273	0	3.4	0.0	3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	93	0.0	1.2	-1
ER-NER						3.4	9.4	-6.0
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	17.0	-17.0
NER-NR						0.0	17.0	-17.0
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2504	0.0	45.7	-45.7
35		V'CHAL B/B	D/C	450	491	4.7	3.0	1.7
36		APL -MHG	D/C	0	1546	0.0	37.7	-37.7
37	765 kV	GWALIOR-AGRA	D/C	0	2218	0.0	41.1	-41.1
38		PHAGI-GWALIOR	D/C	0	1199	0.0	21.5	-21.5
39		JABALPUR-ORAI	D/C	0	886	0.0	33.5	-33.5
40		GWALIOR-ORAI	S/C	336	0	6.1	0.0	6.1
41		SATNA-ORAI	S/C	0	1322	0.0	27.5	-27.5
42	400 kV	CHITTORGARH-BANASKANTHA	D/C	184	760	0.0	8.8	8.8
43		ZERDA-KANKROLI	S/C	154	67	0.7	0.3	0.5
44		ZERDA -BHINMAL	S/C	256	26	3.3	0.0	3.3
45	220 kV	V'CHAL -RIHAND	S/C	968	0	22.1	0.0	22.1
46		RAPP-SHUJALPUR	D/C	142	328	0	2	-2
47	132kV	BHANPURA-RANPUR	S/C	24	51	0.1	0.4	-0.4
48		BHANPURA-MORAK	S/C	0	143	0.0	2.2	-2.2
49		MEHGAON-AURAIYA	S/C	48	12	0.4	0.0	0.4
50		MALANPUR-AURAIYA	S/C	29	34	0.1	0.3	-0.2
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						37.5	224.2	-169.1
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	94	204	2.3	0.3	2.0
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	946	1340	0.0	2.9	-2.9
55		WARDHA-NIZAMABAD	D/C	0	1949	0.0	20.6	-20.6
56	400 kV	KOLHAPUR-KUDGI	D/C	780	151	9.0	0.0	9.0
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	1	86	0.0	1.6	-1.6
59		XELDEM-AMBEWADI	S/C	1	50	0.9	0.0	0.9
WR-SR						12.2	25.3	-13.1
TRANSNATIONAL EXCHANGE								
60		BHUTAN						44.6
61		NEPAL						-6.7
62		BANGLADESH						-26.5