

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 01st Aug 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
- 2. 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
- 3. 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
- 4. मुख्य महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. 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 31.07.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-जुलाई-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध 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 31st July 2019, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day Date of Reporting 1-Aug-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)	56464	41534	40565	21837	2744	163144
Peak Shortage (MW)	1333	0	0	0	180	1513
Energy Met (MU)	1294	938	923	461	51	3667
Hydro Gen (MU)	319	20	52	126	27	543
Wind Gen (MU)	15	164	176			355
Solar Gen (MU)*	22.56	10.03	75.28	2.09	0.03	110
Energy Shortage (MU)	8.8	0.0	0.0	0.0	1.5	10.3
Maximum Demand Met during the day	60315	42979	41935	22392	2766	167276
(MW) & time (from NLDC SCADA)	22:41	09:54	19:41	19:40	19:42	19:44

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
	Punjab	10510	0	236.4	130.6	-2.4	15	0.0
	Haryana	8933	0	193.9	156.1	0.9	271	0.0
	Rajasthan	9641	0	209.8	70.4	-2.5	592	0.0
	Delhi	5748	0	117.9	100.9	0.2	159	0.1
NR	UP	21254	0	426.0	207.4	-0.5	579	0.0
	Uttarakhand	1869	0	40.3	15.5	0.4	210	0.0
	HP	1357	0	27.9	-3.2	-0.7	90	0.0
	J&K	2018	504	36.7	15.2	2.0	588	8.7
	Chandigarh	241	0	5.0	6.3	-1.3	25	0.0
	Chhattisgarh	3646	0	82.2	24.5	-3.4	180	0.0
	Gujarat	12274	0	269.1	35.5	3.0	607	0.0
	MP	8302	0	183.4	70.2	-2.0	348	0.0
WR	Maharashtra	16858	0	360.8	91.5	0.5	592	0.0
WK	Goa	541	0	11.3	10.7	0.0	44	0.0
	DD	325	0	7.3	6.9	0.5	79	0.0
	DNH	777	0	18.3	18.5	-0.2	115	0.0
	Essar steel	298	0	5.6	5.5	0.1	252	0.0
	Andhra Pradesh	7699	0	169.9	16.0	0.1	681	0.0
	Telangana	8148	0	169.4	72.5	-0.6	644	0.0
SR	Karnataka	9541	0	182.5	50.7	-2.1	803	0.0
JN.	Kerala	3507	0	71.6	55.6	3.8	465	0.0
	Tamil Nadu	14833	0	321.5	146.8	0.3	456	0.0
	Pondy	402	0	8.2	8.3	-0.1	54	0.0
	Bihar	5383	0	106.1	99.5	2.0	150	0.0
	DVC	3046	0	64.6	-41.1	-0.3	150	0.0
ER	Jharkhand	1190	0	24.1	18.6	-0.1	70	0.0
LIN	Odisha	4545	0	89.1	41.4	2.4	400	0.0
	West Bengal	8679	0	175.9	77.7	3.5	400	0.0
	Sikkim	77	0	0.8	1.2	-0.4	0	0.0
	Arunachal Pradesh	121	2	2.5	2.7	-0.2	58	0.0
	Assam	1695	50	32.5	26.1	1.3	83	1.5
	Manipur	145	2	2.5	2.3	0.2	31	0.0
NER	Meghalaya	325	0	5.8	0.2	-0.2	40	0.0
	Mizoram	90	1	1.6	1.1	0.3	13	0.0
	Nagaland	149	2	2.3	2.2	-0.1	45	0.0
	Tripura	269	5	4.3	4.2	-0.6	88	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	42.8	-5.0	-26.0
Day peak (MW)	1880.3	-340.0	-1120.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	307.3	-313.7	44.5	-28.7	-9.1	0.3
Actual(MU)	305.7	-324.4	50.0	-20.3	-8.4	2.6
O/D/U/D(MU)	-1.6	-10.7	5.5	8.4	0.7	2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4616	18465	8512	2530	82	34204
State Sector	8590	19354	10160	5150	50	43304
Total	13206	37819	18672	7680	131	77508
2000	13200	37017	10072	7000	131	77500

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	555	998	419	370	12	2353
Lignite	20	12	46	0	0	78
Hydro	319	20	52	126	27	543
Nuclear	27	31	60	0	0	119
Gas, Naptha & Diesel	30	40	14	0	29	114
RES (Wind, Solar, Biomass & Others)	55	182	285	2	0	525
Total	1007	1283	877	498	68	3731

Share of RES in total generation (%)	5.49	14.21	32.51	0.42	0.04	14.06
Share of Non-fossil fuel (Hydro, Nuclear and	39.88	18.15	45.20	25.76	30 /11	31 70
RES) in total generation (%)	37.00	10.13	43.27	25.76	39.41	31.79

H. Diversity Factor
All India Demand Diversity Factor 1.019

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.

		INT	TER-REGIO	ONAL EXCH	ANGES	Date of I	Reporting :	: 1-Aug-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)
	Export of	ER (With NR)						
2	765kV	GAYA-VARANASI	D/C S/C	269 376	36 0	2.0 6.3	0.0	2.0 6.3
3	703K V	SASARAM-FATEHPUR GAYA-BALIA	S/C	0	385	0.0	5.6	-5.6
4	HVDC	ALIPURDUAR-AGRA	-	0	1601	0.0	39.5	-39.5
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.8	-9.8
6		PUSAULI-VARANASI	S/C	0	311	0.0	6.9	-6.9
7		PUSAULI -ALLAHABAD	S/C	0	142	0.0	2.7	-2.7
8 9	400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	D/C Q/C	0	509 640	0.0	6.3	-6.3 -11.3
10	400 K	BIHARSHARIFF-BALIA	D/C	0	298	0.0	4.4	-4.4
11		MOTIHARI-GORAKHPUR	D/C	0	213	0.0	4.0	-4.0
12		BIHARSHARIFF-VARANASI	D/C	254	0	3.6	0.0	3.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	155	0.0	3.0	-3.0
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	102111	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
Imamont/E	Ermont of	ED (WAL WD)			ER-NR	12.4	93.5	-81.1
-	лрогт от	ER (With WR)			 			1
18	765 1-37	JHARSUGUDA-DHARAMJAIGARH	Q/C	2080	0	41.1	0.0	41.1
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1327	0	24.2	0.0	24.2
20	1	JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	447 565	0	9.0 10.6	0.0	9.0 10.6
22	400 kV	RANCHI-SIPAT	D/C	520	0	10.6	0.0	10.0
23		BUDHIPADAR-RAIGARH	S/C	53	8	0.5	0.0	0.5
24	220 kV	BUDHIPADAR-KORBA	D/C	270	0	5.6	0.0	5.6
					ER-WR	101.1	0.0	101.1
Import/E	Export of	ER (With SR)						
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1566.0	0.0	16.3	-16.3
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	418.0	0.0	7.3	-7.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1488.0	0.0	30.1	-30.1
28	400 kV	TALCHER-I/C	D/C	220.0	883.0	0.0	13.4	-13.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0 53.7	-53.7
Import/F	Export of	ER (With NER)			ER-SK	0.0	55.7	-55.7
30		BINAGURI-BONGAIGAON	D/C	0	635	0.0	11.2	-11
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	277	79	2.0	0.0	2
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	105	0.0	1.7	-2
					ER-NER	2.0	12.9	-10.9
Import/E	Export of	NER (With NR)						
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	1003	0.0	21.5	-21.5
					NER-NR	0.0	21.5	-21.5
	Export of	WR (With NR)			1 1			
34	www.c	CHAMPA-KURUKSHETRA	D/C	0	2510	0.0	57.2	-57.2
35 36	HVDC	V'CHAL B/B	D/C D/C	454 0	51 1734	6.6 0.0	0.0 43.6	6.6 -43.6
37		APL -MHG GWALIOR-AGRA	D/C D/C	0	2455	0.0	45.0	-45.0
38		PHAGI-GWALIOR	D/C D/C	0	895	0.0	14.1	-14.1
39	1	JABALPUR-ORAI	D/C D/C	0	977	0.0	35.0	-35.0
40	765 kV	GWALIOR-ORAI	S/C	322	0	6.0	0.0	6.0
41	1	SATNA-ORAI	S/C	0	1262	0.0	27.3	-27.3
42		CHITTORGARH-BANASKANTHA	D/C	0	998	0.0	11.4	11.4
43		ZERDA-KANKROLI	S/C	7	141	0.0	1.9	-1.9
44	400 kV	ZERDA -BHINMAL	S/C	180	192	0.2	2.1	-1.9
45	.50 K	V'CHAL -RIHAND	S/C	956	0	22.4	0.0	22.4
46		RAPP-SHUJALPUR	D/C	25	335	0	2	-2
47		BHANPURA-RANPUR	S/C	1	71	0.0	0.9	-0.9
48	220 kV	BHANPURA-MORAK	S/C	0	126	0.0	2.0	-2.0
49 50	1	MEHGAON-AURAIYA	S/C	97 52	9	0.3	0.0	0.3
50	132kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	S/C S/C	0	0	0.3	0.0	0.3
31	132KV	O WALIOK-SA WAI MADHUPUK	S/C	U	WR-NR	36.6	242.8	-183.4
Import/F	Export of	WR (With SR)				20.0		200.7
52		BHADRAWATI B/B	-	385	505	0.0	1.8	-1.8
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	980	2052	5.3	9.1	-3.8
55		WARDHA-NIZAMABAD	D/C	19	2292	0.0	20.0	-20.0
56	400 kV	KOLHAPUR-KUDGI	D/C	836	25	11.8	0.0	11.8
57	_	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	65	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7
					WR-SR	17.8	32.1	-14.3
		Т	RANSNATI	IONAL EXCHA	NGE			
		DATE TO A SECOND	T -					42.8
60		BHUTAN						
60 61 62		BHUTAN NEPAL BANGLADESH						-5.0 -26.0