



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: 14th Aug 2019

To,

1. 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., डोंगतेिह, 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 13.08.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-अगस्त-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 13th August 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

14-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)	55338	43780	39214	20585	2693	161610
Peak Shortage (MW)	744	0	0	0	182	926
Energy Met (MU)	1303	1004	915	420	51	3693
Hydro Gen (MU)	350	104	133	107	23	716
Wind Gen (MU)	24	65	173	-----	-----	262
Solar Gen (MU)*	23.59	16.82	63.01	1.92	0.03	105
Energy Shortage (MU)	10.2	0.0	0.0	0.0	2.5	12.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59427 00:10	45070 08:40	47380 10:40	21068 21:07	2695 19:17	165728 10:40

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	0.025	0.00	0.00	3.40	3.40	75.59	21.01

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	10395	0	229.1	136.2	-1.8	66	0.0	
	Haryana	9609	93	204.7	167.7	-0.8	172	0.8	
	Rajasthan	9577	0	214.5	72.2	-3.4	234	0.0	
	Delhi	5587	0	117.8	101.7	-0.2	159	0.0	
	UP	20598	0	420.6	199.3	-2.2	678	0.0	
	Uttarakhand	1827	0	41.4	16.6	-0.3	136	0.0	
	HP	1406	0	29.6	-2.6	-0.1	97	0.0	
	J&K	2106	526	38.7	17.6	1.7	297	9.3	
	Chandigarh	323	0	6.3	7.1	-0.7	15	0.0	
	WR	Chhattisgarh	3701	0	87.9	29.2	-0.5	183	0.0
Gujarat		13017	0	292.7	55.2	2.9	510	0.0	
MP		8603	0	186.9	82.4	-4.2	626	0.0	
Maharashtra		17879	0	396.2	123.9	0.4	443	0.0	
Goa		541	0	10.5	9.8	0.1	50	0.0	
DD		349	0	7.8	7.0	0.8	69	0.0	
DNH		810	0	18.9	19.0	-0.1	45	0.0	
Essar steel		174	0	3.0	2.8	0.2	238	0.0	
SR		Andhra Pradesh	8744	0	183.4	21.8	3.5	1110	0.0
		Telangana	8928	0	191.9	74.7	1.9	785	0.0
	Karnataka	8491	4	160.5	35.9	2.0	549	0.0	
	Kerala	3025	0	58.6	42.3	1.8	219	0.0	
	Tamil Nadu	14066	0	312.4	131.5	-0.6	877	0.0	
	Pondy	413	0	8.6	8.7	-0.2	42	0.0	
	ER	Bihar	5366	0	96.5	97.0	-3.7	100	0.0
DVC		2855	0	57.8	-25.6	-4.8	50	0.0	
Jharkhand		1023	0	22.9	14.8	-1.0	25	0.0	
Odisha		4389	0	91.3	45.7	1.2	300	0.0	
West Bengal		7553	0	150.5	71.6	-0.2	200	0.0	
Sikkim		88	0	0.8	1.4	-0.6	5	0.0	
NER	Arunachal Pradesh	148	2	2.2	2.5	-0.3	85	0.0	
	Assam	1741	163	32.6	28.2	0.0	233	2.1	
	Manipur	152	2	2.4	2.3	0.1	22	0.1	
	Meghalaya	303	0	5.1	1.8	0.0	154	0.0	
	Mizoram	93	3	1.8	0.8	0.3	16	0.0	
	Nagaland	137	1	2.4	2.1	-0.1	45	0.2	
	Tripura	265	4	4.7	4.6	-0.7	29	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.3	-5.9	-18.6
Day peak (MW)	1975.4	-387.1	-921.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	289.6	-269.7	8.3	-30.0	1.6	-0.1
Actual(MU)	282.3	-263.8	32.8	-57.3	-0.5	-6.4
O/D/U/D(MU)	-7.3	5.9	24.5	-27.3	-2.1	-6.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3429	16698	9832	1605	521	32085
State Sector	8790	17221	11750	6910	50	44720
Total	12219	33918	21582	8515	571	76805

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	557	988	367	399	7	2318
Lignite	19	8	42	0	0	69
Hydro	350	104	133	107	23	716
Nuclear	27	31	53	0	0	111
Gas, Naptha & Diesel	34	57	15	0	28	133
RES (Wind, Solar, Biomass & Others)	63	88	279	2	0	432
Total	1049	1275	889	508	57	3779

Share of RES in total generation (%)	6.01	6.87	31.35	0.38	0.05	11.42
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.93	17.45	52.31	21.43	39.38	33.32

H. Diversity Factor

All India Demand Diversity Factor	1.060
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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 :	14-Aug-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	32	311	0.0	4.9	-4.9	
2		SASARAM-FATEHPUR	S/C	182	65	1.7	0.0	1.7	
3		GAYA-BALIA	S/C	0	416	0.0	7.5	-7.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	23.2	-23.2	
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	195	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	59	0.0	0.7	-0.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	743	0.0	11.4	-11.4	
9		PATNA-BALIA	Q/C	0	755	0.0	13.4	-13.4	
10		BIHARSHARIFF-BALIA	D/C	0	280	0.0	5.7	-5.7	
11		MOTIHARI-GORAKHPUR	D/C	0	334	0.0	5.6	-5.6	
12		BIHARSHARIFF-VARANASI	D/C	127	104	0.4	0.0	0.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	179	0.0	3.4	-3.4	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3	
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						2.4	84.2	-81.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1568	0	23.9	0.0	23.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1194	0	16.2	0.0	16.2	
20		JHARSUGUDA-DURG	D/C	313	0	4.4	0.0	4.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	320	112	3.4	0.0	3.4	
22		RANCHI-SIPAT	D/C	381	1	5.5	0.0	5.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	15	103	0.0	1.2	-1.2	
24		BUDHIPADAR-KORBA	D/C	185	0	3.3	0.0	3.3	
ER-WR						56.6	1.2	55.4	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1965.0	0.0	30.7	-30.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	258.0	0.0	6.1	0.0	6.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	988.0	0.0	22.1	-22.1	
28	400 kV	TALCHER-I/C	D/C	590.0	18.0	5.1	0.0	5.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						6.1	52.8	-46.8	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	546	0.0	9.9	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	78	259	0.0	2.2	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	103	0.0	1.7	-2	
ER-NER						0.0	13.8	-13.8	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	16.4	-16.4	
NER-NR						0.0	16.4	-16.4	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2503	0.0	37.7	-37.7	
35		V'CHAL B/B	D/C	452	0	8.4	0.0	8.4	
36		APL -MHG	D/C	0	1642	0.0	31.7	-31.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2614	0.0	48.3	-48.3	
38		PHAGI-GWALIOR	D/C	0	1136	0.0	20.9	-20.9	
39		JABALPUR-ORAI	D/C	0	1035	0.0	37.4	-37.4	
40		GWALIOR-ORAI	S/C	395	0	8.3	0.0	8.3	
41		SATNA-ORAI	S/C	0	1387	0.0	29.8	-29.8	
42		CHITTORGARH-BANASKANTHA	D/C	0	976	0.0	14.3	14.3	
43		ZERDA-KANKROLI	S/C	41	172	0.0	1.6	-1.6	
44	400 kV	ZERDA -BHINMAL	S/C	83	239	0.2	1.6	-1.4	
45		V'CHAL -RIHAND	S/C	954	0	22.4	0.0	22.4	
46	220 kV	RAPP-SHUJALPUR	D/C	0	424	0	3	-3	
47		BHANPURA-RANPUR	S/C	0	72	0.0	1.0	-1.0	
48		BHANPURA-MORAK	S/C	0	138	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	96	14	0.8	0.0	0.7	
50	132kV	MALANPUR-AURAIYA	S/C	49	45	0.2	0.3	-0.1	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						40.1	228.7	-160.0	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1006	0.0	12.4	-12.4	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1280	1192	7.7	3.3	4.4	
55		WARDHA-NIZAMABAD	D/C	13	1888	0.0	22.7	-22.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	1018	19	15.6	0.0	15.6	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	2	59	0.0	0.1	-0.1	
59		XELDEM-AMBEWADI	S/C	1	34	0.1	0.0	0.1	
WR-SR						23.4	38.6	-15.2	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						36.3	
61		NEPAL						-5.9	
62		BANGLADESH						-18.6	