



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: 12th 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., डोंगतिह, 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 11.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-अगस्त-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 11th 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

12-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)	53621	40959	36209	20804	2772	154365
Peak Shortage (MW)	1931	0	50	0	147	2128
Energy Met (MU)	1289	925	846	468	57	3585
Hydro Gen (MU)	348	74	131	119	25	696
Wind Gen (MU)	29	117	186	-----	-----	333
Solar Gen (MU)*	21.99	15.4	67.15	2.03	0.04	107
Energy Shortage (MU)	17.4	0.0	-0.2	0.0	0.9	18.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59205 22:45	43029 19:48	35739 07:55	22210 00:10	2890 19:04	158521 21:28

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	0.059	0.00	2.26	14.19	16.45	71.62	11.93

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	10849	0	246.1	142.6	-2.0	72	0.0
	Haryana	8944	0	195.9	160.7	-1.0	149	0.0
	Rajasthan	8975	0	197.6	64.3	-2.5	472	0.0
	Delhi	5749	0	111.8	97.3	1.2	260	0.0
	UP	20253	0	420.2	202.9	1.3	461	7.1
	Uttarakhand	1849	0	40.8	15.1	0.5	122	0.0
	HP	1390	0	28.0	-4.4	-0.6	69	0.0
	J&K	2523	631	43.2	19.2	4.6	927	10.3
	Chandigarh	269	0	5.4	6.0	-0.6	6	0.0
WR	Chhattisgarh	3875	0	91.6	26.6	0.2	305	0.0
	Gujarat	10856	0	242.5	46.6	3.6	922	0.0
	MP	8408	0	188.2	92.8	-2.9	328	0.0
	Maharashtra	16177	0	363.4	105.8	-0.5	509	0.0
	Goa	541	0	10.3	9.6	0.1	64	0.0
	DD	317	0	7.2	6.5	0.7	56	0.0
	DNH	767	0	18.2	18.3	-0.1	29	0.0
	Essar steel	214	0	3.9	4.0	-0.1	253	0.0
	SR	Andhra Pradesh	8067	0	181.5	6.8	0.7	460
Telangana		8966	0	189.4	73.7	1.0	657	0.0
Karnataka		6972	0	141.4	12.6	-3.2	470	0.0
Kerala		2753	0	47.9	31.3	0.8	274	-0.2
Tamil Nadu		12463	0	277.9	121.3	-1.6	888	0.0
Pondy		389	0	7.8	8.0	-0.2	35	0.0
ER		Bihar	5457	0	111.0	108.5	-2.2	50
	DVC	2814	0	59.6	-27.9	-1.3	170	0.0
	Jharkhand	1047	0	23.5	14.6	-0.7	100	0.0
	Odisha	4712	0	98.3	51.6	1.5	500	0.0
	West Bengal	8688	0	175.0	81.9	4.2	600	0.0
	Sikkim	73	0	0.7	1.2	-0.5	5	0.0
NER	Arunachal Pradesh	126	2	2.3	2.7	-0.4	90	0.0
	Assam	1801	86	36.5	32.0	0.6	166	0.8
	Manipur	171	1	2.6	2.5	0.1	39	0.0
	Meghalaya	338	0	5.5	1.8	-0.1	84	0.0
	Mizoram	87	3	2.0	1.5	0.2	19	0.0
	Nagaland	128	2	2.3	2.3	-0.3	44	0.0
	Tripura	299	4	5.8	4.8	-0.2	46	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	37.1	-7.3	-18.8
Day peak (MW)	1632.4	-505.5	-930.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	283.3	-265.6	-13.5	-5.1	0.8	0.1
Actual(MU)	287.9	-276.9	-19.8	11.5	1.6	4.2
O/D/U/D(MU)	4.5	-11.4	-6.3	16.6	0.8	4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3782	18088	10142	1605	332	33949
State Sector	9055	19108	12990	6970	50	48173
Total	12837	37196	23132	8575	381	82121

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	527	923	337	370	8	2165
Lignite	20	8	41	0	0	69
Hydro	348	74	131	119	25	696
Nuclear	27	31	53	0	0	112
Gas, Naptha & Diesel	31	39	15	0	29	113
RES (Wind, Solar, Biomass & Others)	68	141	295	2	0	506
Total	1021	1216	872	491	61	3661

Share of RES in total generation (%)	6.67	11.60	33.84	0.42	0.07	13.83
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.39	20.25	55.01	24.56	40.15	35.89

H. Diversity Factor

All India Demand Diversity Factor	1.029
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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 :	12-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	235	216	0.5	0.0	0.5	
2		SASARAM-FATEHPUR	S/C	314	0	5.0	0.0	5.0	
3		GAYA-BALIA	S/C	0	360	0.0	5.4	-5.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	24.7	-24.7	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	206	0.0	4.2	-4.2	
7		PUSAULI -ALLAHABAD	S/C	0	50	0.0	0.5	-0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	441	0.0	4.2	-4.2	
9		PATNA-BALIA	Q/C	0	550	0.0	9.5	-9.5	
10		BIHARSHARIFF-BALIA	D/C	0	212	0.0	3.0	-3.0	
11		MOTIHARI-GORAKHPUR	D/C	0	286	0.0	4.6	-4.6	
12		BIHARSHARIFF-VARANASI	D/C	235	0	3.0	0.0	3.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	182	0.0	3.3	-3.3	
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	8.8	64.4	-55.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1353	0	26.2	0.0	26.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1387	0	23.4	0.0	23.4	
20		JHARSUGUDA-DURG	D/C	367	0	6.4	0.0	6.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	480	0	7.7	0.0	7.7	
22		RANCHI-SIPAT	D/C	502	0	10.2	0.0	10.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	82	0.0	1.2	-1.2	
24		BUDHIPADAR-KORBA	D/C	237	0	4.7	0.0	4.7	
						ER-WR	78.5	1.2	77.3
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1646.0	0.0	24.7	-24.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	407.0	0.0	9.6	0.0	9.6	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	288.0	0.0	7.3	-7.3	
28	400 kV	TALCHER-I/C	D/C	861.0	0.0	18.5	0.0	18.5	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	9.6	32.0	-22.4
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	608	0.0	10.4	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	0	312	0.0	3.8	-4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	119	0.0	2.0	-2	
						ER-NER	0.0	16.3	-16.3
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	16.9	-16.9	
						NER-NR	0.0	16.9	-16.9
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2510	0.0	53.5	-53.5	
35		V'CHAL B/B	D/C	230	0	6.1	0.0	6.1	
36		APL -MHG	D/C	0	1168	0.0	24.3	-24.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2592	0.0	49.2	-49.2	
38		PHAGI-GWALIOR	D/C	0	1048	0.0	18.5	-18.5	
39		JABALPUR-ORAI	D/C	0	1066	0.0	39.3	-39.3	
40		GWALIOR-ORAI	S/C	324	0	5.9	0.0	5.9	
41		SATNA-ORAI	S/C	0	1369	0.0	29.9	-29.9	
42		CHITTORGARH-BANASKANTHA	D/C	0	1546	0.0	25.3	25.3	
43		ZERDA-KANKROLI	S/C	0	288	0.0	3.7	-3.7	
44	400 kV	ZERDA -BHINMAL	S/C	132	342	0.2	2.8	-2.6	
45		V'CHAL -RIHAND	S/C	960	0	19.3	0.0	19.3	
46	220 kV	RAPP-SHUJALPUR	D/C	0	387	0	3	-3	
47		BHANPURA-RANPUR	S/C	17	77	0.0	1.0	-1.0	
48		BHANPURA-MORAK	S/C	0	132	0.0	2.3	-2.3	
49		MEHGAON-AURAIYA	S/C	81	0	1.0	0.0	1.0	
50	132kV	MALANPUR-AURAIYA	S/C	37	22	0.2	0.1	0.1	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	32.8	252.4	-169.0
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	211	0.0	0.0	0.0	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1308	486	14.0	0.0	14.0	
55		WARDHA-NIZAMABAD	D/C	167	1422	0.0	11.9	-11.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	998	0	18.5	0.0	18.5	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	0	51	0.0	1.0	-1.0	
59		XELDEM-AMBEWADI	S/C	0	29	0.6	0.0	0.6	
						WR-SR	33.1	12.9	20.2
TRANSNATIONAL EXCHANGE									
60		BHUTAN						37.1	
61		NEPAL						-7.3	
62		BANGLADESH						-18.8	