



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: 09thAug 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 08.08.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 8th August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

9-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)	56550	42529	36165	19684	2851	157779
Peak Shortage (MW)	965	0	0	0	195	1160
Energy Met (MU)	1279	965	813	384	55	3495
Hydro Gen (MU)	337	25	117	105	24	608
Wind Gen (MU)	9	125	197	-----	-----	331
Solar Gen (MU)*	20.68	8.64	44.07	1.30	0.03	75
Energy Shortage (MU)	11.8	0.0	0.0	0.0	1.2	13.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57884 20:05	44382 11:24	36170 19:27	20361 21:11	2777 20:24	158929 19:43

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	0.071	0.14	2.27	12.84	15.24	60.83	23.92

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	11559	0	260.6	146.4	-2.0	62	0.0
	Haryana	9490	0	206.8	158.5	-0.2	133	1.8
	Rajasthan	9026	0	201.1	71.6	0.4	525	0.0
	Delhi	6090	0	121.3	100.8	1.7	650	0.1
	UP	18373	0	369.7	162.3	-0.9	493	0.0
	Uttarakhand	1930	0	42.2	15.7	0.5	177	0.1
	HP	1411	0	29.4	-1.1	3.4	887	0.0
	J&K	2105	526	41.2	19.2	2.6	311	9.9
WR	Chandigarh	325	0	6.4	6.7	-0.3	41	0.0
	Chhattisgarh	3303	0	73.4	30.1	-2.7	367	0.0
	Gujarat	13990	0	309.4	67.2	4.5	580	0.0
	MP	8091	0	174.5	86.5	-3.3	507	0.0
	Maharashtra	16855	0	366.0	95.1	-1.9	440	0.0
	Goa	541	0	9.8	9.3	-0.2	62	0.0
	DD	344	0	7.8	6.9	0.9	102	0.0
	DNH	802	0	18.8	18.8	0.0	148	0.0
SR	Essar steel	393	0	5.8	4.9	0.9	527	0.0
	Andhra Pradesh	6999	0	154.8	-16.5	-0.2	422	0.0
	Telangana	7795	0	157.3	66.5	1.7	508	0.0
	Karnataka	7413	0	145.9	23.3	-4.0	617	0.0
	Kerala	2433	0	47.1	31.9	0.3	362	0.0
	Tamil Nadu	13472	0	299.7	121.9	-0.3	1180	0.0
	Pondy	375	0	7.8	8.0	-0.3	34	0.0
	Bihar	5199	0	70.0	71.6	-3.7	250	0.0
ER	DVC	2811	0	58.4	-31.9	-0.6	200	0.0
	Jharkhand	1086	0	19.8	13.0	-2.0	140	0.0
	Odisha	4314	0	86.7	51.7	4.1	590	0.0
	West Bengal	7975	0	148.3	64.4	0.0	180	0.0
	Sikkim	75	0	0.8	1.2	-0.4	40	0.0
NER	Arunachal Pradesh	125	1	2.3	3.1	-0.9	43	0.0
	Assam	1810	90	36.2	30.2	1.4	122	1.2
	Manipur	150	1	2.4	2.4	0.1	27	0.0
	Meghalaya	355	0	5.4	2.0	0.0	23	0.0
	Mizoram	91	2	1.6	1.3	0.2	18	0.0
	Nagaland	141	2	2.1	2.2	-0.5	27	0.0
	Tripura	255	1	4.6	4.6	-0.4	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.0	-4.3	-25.7
Day peak (MW)	1403.9	-340.7	-1104.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	283.8	-242.9	-16.6	-23.3	-1.0	0.0
Actual(MU)	289.7	-236.1	-16.5	-31.6	-2.1	3.4
O/D/U/D(MU)	5.9	6.8	0.1	-8.3	-1.0	3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	7405	17303	9042	2355	498	36603
State Sector	9025	17975	12630	6670	50	46350
Total	16430	35278	21672	9025	547	82952

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	543	967	327	339	10	2185
Lignite	19	14	42	0	0	76
Hydro	337	25	117	105	24	608
Nuclear	27	28	55	0	0	110
Gas, Naptha & Diesel	36	42	15	0	27	121
RES (Wind, Solar, Biomass & Others)	47	138	282	1	0	468
Total	1009	1213	838	446	62	3568

Share of RES in total generation (%)	4.66	11.36	33.59	0.30	0.05	13.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.71	15.69	54.14	23.94	39.41	33.24

H. Diversity Factor

All India Demand Diversity Factor	1.017
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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-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)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	414	0.0	5.8	-5.8	
2		SASARAM-FATEHPUR	S/C	204	271	0.0	1.6	-1.6	
3		GAYA-BALIA	S/C	0	365	0.0	6.2	-6.2	
4		ALIPURDUAR-AGRA	-	0	1001	0.0	23.7	-23.7	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	191	0.0	3.6	-3.6	
7		PUSAULI -ALLAHABAD	S/C	0	88	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	954	0.0	14.2	-14.2	
9		PATNA-BALIA	Q/C	0	648	0.0	10.9	-10.9	
10		BIHARSHARIFF-BALIA	D/C	0	332	0.0	5.7	-5.7	
11		MOTHARI-GORAKHPUR	D/C	0	275	0.0	4.3	-4.3	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	125	171	0.0	0.7	-0.7	
13		PUSAULI-SAHUPURI	S/C	0	173	0.0	2.8	-2.8	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.2	0.0	0.2
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						0.2	85.2	-85.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1484	0	25.8	0.0	25.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1221	0	16.1	0.0	16.1	
20		JHARSUGUDA-DURG	D/C	379	0	5.5	0.0	5.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	330	14	3.7	0.0	3.7	
22		RANCHI-SIPAT	D/C	444	0	6.1	0.0	6.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	42	29	0.2	0.0	0.2	
24		BUDHIPADAR-KORBA	D/C	190	0	3.7	0.0	3.7	
ER-WR						60.9	0.0	60.9	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1615.0	0.0	22.7	-22.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	647.0	0.0	15.5	0.0	15.5	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	289.0	0.0	7.3	-7.3	
28	400 kV	TALCHER-I/C	D/C	811.0	0.0	9.6	0.0	9.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						15.5	30.0	-14.6	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	729	0.0	8.8	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	73	472	0.0	1.9	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	147	0.0	1.6	-2	
ER-NER						0.0	12.3	-12.3	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	1001	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	2507	0.0	45.1	-45.1	
35		V'CHAL B/B	D/C	452	0	8.8	0.0	8.8	
36		APL -MHG	D/C	0	1915	0.0	37.7	-37.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2436	0.0	43.4	-43.4	
38		PHAGI-GWALIOR	D/C	0	1345	0.0	24.0	-24.0	
39		JABALPUR-ORAI	D/C	0	999	0.0	35.0	-35.0	
40		GWALIOR-ORAI	S/C	468	0	9.5	0.0	9.5	
41		SATNA-ORAI	S/C	0	1339	0.0	27.2	-27.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	1193	0.0	8.2	8.2	
43	400 kV	ZERDA-KANKROLI	S/C	36	199	0.1	1.0	-0.9	
44		ZERDA -BHINMAL	S/C	134	270	0.1	2.5	-2.5	
45		V'CHAL -RIHAND	S/C	969	0	22.5	0.0	22.5	
46		RAPP-SHUJALPUR	D/C	0	441	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	0	84	0.0	1.1	-1.1	
48		BHANPURA-MORAK	S/C	0	129	0.0	1.8	-1.8	
49		MEHGAON-AURAIYA	S/C	94	0	1.1	0.0	1.1	
50		MALANPUR-AURAIYA	S/C	56	23	0.3	0.0	0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.4	229.8	-171.1	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	189	211	0.8	1.3	-0.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1372	509	13.0	0.0	13.0	
55		WARDHA-NIZAMABAD	D/C	8	1455	0.0	13.9	-13.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	1011	0	16.0	0.0	16.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	52	0.0	1.0	-1.0	
59		XELDEM-AMBEWADI	S/C	0	30	0.6	0.0	0.6	
WR-SR						30.3	16.2	14.1	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						41.0	
61		NEPAL						-4.3	
62		BANGLADESH						-25.7	