



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: 13th 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., डोंगतेह, 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 12.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

13-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)	58142	43398	38963	19907	2412	162822
Peak Shortage (MW)	999	0	0	0	424	1423
Energy Met (MU)	1358	978	907	455	53	3751
Hydro Gen (MU)	352	92	136	112	22	714
Wind Gen (MU)	16	66	188	-----	-----	270
Solar Gen (MU)*	21.94	17.69	69.70	2.15	0.04	112
Energy Shortage (MU)	16.4	0.0	0.0	0.0	2.8	19.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62079 22:41	45073 19:39	39549 09:28	21885 00:01	2508 00:20	164871 19:40

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	0.043	0.34	1.25	5.68	7.27	77.50	15.23

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	11578	0	256.1	142.9	-1.6	73	0.0
	Haryana	9353	0	206.9	165.2	0.3	182	0.0
	Rajasthan	9524	0	211.5	75.0	-0.8	534	0.0
	Delhi	5673	0	115.5	99.3	0.8	215	0.0
	UP	21632	180	449.7	220.0	2.2	735	6.1
	Uttarakhand	1838	0	39.9	15.6	0.2	163	0.0
	HP	1416	0	29.1	-3.0	0.0	130	0.0
	J&K	2011	503	42.9	20.5	3.0	397	10.2
WR	Chandigarh	289	0	6.0	6.2	-0.3	24	0.0
	Chhattisgarh	3928	0	92.7	29.8	-0.4	195	0.0
	Gujarat	12323	0	270.6	62.6	6.8	966	0.0
	MP	8711	0	195.4	90.5	-1.5	500	0.0
	Maharashtra	17134	0	379.0	117.4	1.5	621	0.0
	Goa	541	0	10.3	9.7	0.0	80	0.0
	DD	340	0	7.4	6.8	0.6	47	0.0
	DNH	797	0	18.5	18.6	-0.1	39	0.0
SR	Essar steel	233	0	4.1	3.4	0.7	327	0.0
	Andhra Pradesh	8761	0	186.0	17.8	3.0	629	0.0
	Telangana	9348	0	196.4	71.6	0.7	797	0.0
	Karnataka	8190	0	154.5	20.2	3.7	983	0.0
	Kerala	2907	0	55.0	36.9	1.7	236	0.0
	Tamil Nadu	14125	0	306.7	118.1	2.9	939	0.0
	Pondy	422	0	8.5	8.4	0.1	45	0.0
	ER	Bihar	5389	0	110.7	106.5	-0.5	460
DVC		2740	0	60.7	-29.8	0.0	180	0.0
Jharkhand		1156	0	24.5	15.9	-0.8	90	0.0
Odisha		4421	0	94.1	46.6	1.3	310	0.0
West Bengal		8374	0	164.8	81.6	-0.6	290	0.0
NER	Sikkim	59	0	0.8	1.5	-0.7	4	0.0
	Arunachal Pradesh	140	4	2.2	2.2	0.0	156	0.0
	Assam	1701	35	33.9	29.5	0.9	221	2.7
	Manipur	149	3	2.4	2.1	0.3	19	0.0
	Meghalaya	297	0	5.2	1.6	0.1	65	0.0
	Mizoram	87	2	1.7	0.6	0.3	34	0.0
	Nagaland	136	3	2.4	2.2	-0.1	50	0.0
	Tripura	256	15	5.5	4.4	0.6	126	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	37.2	-7.7	-18.3
Day peak (MW)	2033.6	-331.6	-926.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	308.2	-270.3	-21.7	-17.0	0.7	-0.1
Actual(MU)	314.6	-259.2	-17.2	-32.7	-2.2	3.2
O/D/U/D(MU)	6.4	11.1	4.5	-15.7	-2.9	3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2874	16473	9932	1605	547	31430
State Sector	6995	17878	12740	7070	50	44732
Total	9869	34350	22672	8675	596	76162

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	569	970	380	409	8	2335
Lignite	25	8	45	0	0	79
Hydro	352	92	136	112	22	714
Nuclear	21	31	53	0	0	106
Gas, Naptha & Diesel	38	59	15	0	27	138
RES (Wind, Solar, Biomass & Others)	53	92	301	2	0	448
Total	1058	1252	929	523	58	3820

Share of RES in total generation (%)	5.02	7.34	32.36	0.41	0.07	11.73
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.24	17.21	52.68	21.90	38.83	33.19

H. Diversity Factor

All India Demand Diversity Factor	1.038
-----------------------------------	-------

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 : 13-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	45	306	0.0	3.8	-3.8	
2		SASARAM-FATEHPUR	S/C	245	0	3.1	0.0	3.1	
3		GAYA-BALIA	S/C	0	385	0.0	7.1	-7.1	
4		ALIPURDUAR-AGRA	-	0	1001	0.0	23.9	-23.9	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	182	0.0	3.7	-3.7	
7		PUSAULI -ALLAHABAD	S/C	0	82	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	715	0.0	9.2	-9.2	
9		PATNA-BALIA	Q/C	0	686	0.0	13.4	-13.4	
10		BIHARSHARIFF-BALIA	D/C	0	300	0.0	5.3	-5.3	
11		MOTIHARI-GORAKHPUR	D/C	0	384	0.0	6.0	-6.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	130	95	0.7	0.0	0.7	
13		PUSAULI-SAHUPURI	S/C	0	182	0.0	3.6	-3.6	
14		132 kV	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						4.2	81.8	-77.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1060	0	18.0	0.0	18.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1242	0	20.7	0.0	20.7	
20		JHARSUGUDA-DURG	D/C	275	0	4.3	0.0	4.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	350	0	4.6	0.0	4.6	
22		RANCHI-SIPAT	D/C	445	0	7.5	0.0	7.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	105	0.0	1.4	-1.4	
24		BUDHIPADAR-KORBA	D/C	211	0	3.8	0.0	3.8	
ER-WR						59.0	1.4	57.5	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1618.0	0.0	24.2	-24.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	406.0	0.0	7.6	0.0	7.6	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	787.0	0.0	13.0	-13.0	
28	400 kV	TALCHER-I/C	D/C	943.0	0.0	16.4	0.0	16.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.6	37.2	-29.6	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	654	0.0	10.2	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	169	264	0.0	2.5	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	109	0.0	2.0	-2	
ER-NER						0.0	14.7	-14.7	
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	2506	0.0	56.3	-56.3	
35		V'CHAL B/B	D/C	229	0	6.1	0.0	6.1	
36		APL -MHG	D/C	0	1641	0.0	30.0	-30.0	
37	765 kV	GWALIOR-AGRA	D/C	0	2632	0.0	52.0	-52.0	
38		PHAGI-GWALIOR	D/C	0	1132	0.0	21.4	-21.4	
39		JABALPUR-ORAI	D/C	0	1030	0.0	41.3	-41.3	
40		GWALIOR-ORAI	S/C	401	0	7.5	0.0	7.5	
41		SATNA-ORAI	S/C	0	1411	0.0	29.6	-29.6	
42		CHITTORGARH-BANASKANTHA	D/C	0	1180	0.0	13.2	13.2	
43	400 kV	ZERDA-KANKROLI	S/C	0	202	0.0	2.8	-2.8	
44		ZERDA -BHINMAL	S/C	68	204	0.0	2.5	-2.4	
45		V'CHAL -RIHAND	S/C	962	0	22.2	0.0	22.2	
46		RAPP-SHUJALPUR	D/C	0	390	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	0	80	0.0	1.2	-1.2	
48		BHANPURA-MORAK	S/C	0	154	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	95	0	1.2	0.0	1.2	
50		MALANPUR-AURAIYA	S/C	49	23	0.2	0.1	0.1	
51		132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						37.2	255.2	-191.6	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	407	0.0	5.5	-5.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1567	472	15.7	0.7	15.0	
55		WARDHA-NIZAMABAD	D/C	202	1316	0.0	9.8	-9.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	1207	0	17.2	0.0	17.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	2	56	0.0	0.4	-0.4	
59		XELDEM-AMBEWADI	S/C	1	32	0.2	0.0	0.2	
WR-SR						33.1	16.4	16.7	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						37.2	
61		NEPAL						-7.7	
62		BANGLADESH						-18.3	