



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: 24th 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, लापालंग, 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 23.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-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 23rd 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

24-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)	58356	45568	38017	21887	2759	166587
Peak Shortage (MW)	797	0	0	0	213	1010
Energy Met (MU)	1308	1063	882	463	53	3769
Hydro Gen (MU)	362	96	126	122	21	727
Wind Gen (MU)	26	59	171	-----	-----	256
Solar Gen (MU)*	29.73	21.3	66.00	1.86	0.04	119
Energy Shortage (MU)	10.1	0.0	0.0	0.0	2.1	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60854 20:43	46988 11:00	38156 19:21	22298 19:53	2808 18:54	168307 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	0.020	0.00	0.00	1.46	1.46	81.59	16.96

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	10449	0	239.1	130.8	0.6	494	0.0
	Haryana	9361	0	200.7	163.8	0.5	210	0.0
	Rajasthan	10353	0	231.7	57.4	-2.5	410	0.0
	Delhi	5783	0	117.0	101.5	-1.3	113	0.0
	UP	20476	170	400.1	185.9	1.5	1465	0.0
	Uttarakhand	2048	0	42.9	14.7	0.8	215	0.1
	HP	1625	0	29.7	-1.4	-0.2	494	0.0
	J&K	2169	542	41.6	18.5	2.3	503	9.9
WR	Chandigarh	289	0	5.6	6.0	-0.4	13	0.0
	Chhattisgarh	4139	0	97.5	40.8	1.0	232	0.0
	Gujarat	14019	0	313.4	39.5	5.1	528	0.0
	MP	7986	0	181.0	84.1	-4.2	585	0.0
	Maharashtra	19168	0	426.8	136.0	0.4	626	0.0
	Goa	541	0	11.9	10.6	0.7	67	0.0
	DD	342	0	7.6	7.0	0.6	67	0.0
	DNH	798	0	18.9	19.1	-0.2	39	0.0
SR	Essar steel	361	0	5.9	5.9	0.0	290	0.0
	Andhra Pradesh	7242	0	164.7	10.8	-0.4	498	0.0
	Telangana	9190	0	193.4	73.3	-1.1	496	0.0
	Karnataka	8805	0	168.0	32.3	-1.0	492	0.0
	Kerala	3133	0	63.9	41.9	1.3	284	0.0
	Tamil Nadu	12915	0	284.2	106.8	-1.0	411	0.0
	Pondy	367	0	7.5	7.7	-0.2	38	0.0
	ER	Bihar	5694	0	110.8	105.9	0.0	40
DVC		3128	0	62.6	-26.9	-0.5	370	0.0
Jharkhand		1107	0	24.8	16.2	-0.3	80	0.0
Odisha		4527	0	95.2	27.7	0.8	200	0.0
West Bengal		8410	0	168.6	97.0	-0.8	170	0.0
NER	Sikkim	77	0	0.7	1.0	-0.3	50	0.0
	Arunachal Pradesh	120	1	2.6	2.2	0.4	36	0.0
	Assam	1752	168	33.2	29.4	-0.7	285	2.0
	Manipur	168	2	2.1	2.2	0.0	48	0.0
	Meghalaya	318	0	5.5	1.4	-0.1	101	0.0
	Mizoram	92	1	1.8	0.5	0.9	18	0.0
	Nagaland	132	3	2.7	2.0	0.3	49	0.0
	Tripura	276	6	5.1	3.7	0.5	78	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.4	-6.2	-25.1
Day peak (MW)	1827.1	-426.5	-1102.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	253.5	-280.3	-6.9	23.8	9.7	-0.2
Actual(MU)	250.7	-276.8	-19.5	22.0	11.6	-12.0
O/D/U/D(MU)	-2.8	3.5	-12.6	-1.8	1.8	-11.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3859	16395	9602	2975	1042	33872
State Sector	8290	15855	10840	7550	50	42584
Total	12149	32249	20442	10525	1091	76456

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	554	1059	403	334	4	2354
Lignite	21	13	30	0	0	64
Hydro	362	96	126	122	21	727
Nuclear	28	31	55	0	0	114
Gas, Naptha & Diesel	37	59	16	0	22	134
RES (Wind, Solar, Biomass & Others)	72	85	279	2	0	437
Total	1073	1343	909	458	47	3830

Share of RES in total generation (%)	6.73	6.30	30.64	0.41	0.09	11.42
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.00	15.75	50.57	27.15	44.01	33.36

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 : 24-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	447	0	4.3	0.0	4.3
2		SASARAM-FATEHPUR	S/C	449	0	6.5	0.0	6.5
3		GAYA-BALIA	S/C	0	324	0.0	4.9	-4.9
4	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	20.6	-20.6
5		PUSAULI B/B	S/C	0	198	0.0	5.0	-5.0
6	400 kV	PUSAULI-VARANASI	S/C	0	233	0.0	5.0	-5.0
7		PUSAULI -ALLAHABAD	S/C	25	28	0.2	0.0	0.2
8		MUZAFFARPUR-GORAKHPUR	D/C	19	478	0.0	4.2	-4.2
9		PATNA-BALIA	Q/C	0	510	0.0	8.9	-8.9
10		BIHARSHARIFF-BALIA	D/C	0	204	0.0	2.0	-2.0
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	385	0	6.5	0.0	6.5
13	220 kV	PUSAULI-SAHUPURI	S/C	26	174	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	0.5	0.0	0.5
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						18.1	53.3	-35.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1620	0	26.9	0.0	26.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	1611	0	27.1	0.0	27.1
20		JHARSUGUDA-DURG	D/C	396	0	6.0	0.0	6.0
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	603	0	8.7	0.0	8.7
22		RANCHI-SIPAT	D/C	567	0	10.0	0.0	10.0
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	96	0.0	1.2	-1.2
24		BUDHIPADAR-KORBA	D/C	149	0	2.4	0.0	2.4
ER-WR						81.1	1.2	79.9
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1393.0	0.0	23.6	-23.6
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	307.0	0.0	6.2	0.0	6.2
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	291.0	0.0	7.3	-7.3
28	400 kV	TALCHER-I/C	D/C	645.0	0.0	14.3	0.0	14.3
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						6.2	30.9	-24.7
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	694	0.0	12.2	-12
31		ALIPURDUAR-BONGAIGAON	D/C	0	512	0.0	7.5	-8
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	151	0.0	2.8	-3
ER-NER						0.0	22.5	-22.5
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	504	0.0	11.6	-11.6
NER-NR						0.0	11.6	-11.6
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2527	0.0	60.6	-60.6
35		V'CHAL B/B	D/C	362	202	8.7	0.5	8.2
36		APL -MHG	D/C	0	1739	0.0	37.4	-37.4
37	765 kV	GWALIOR-AGRA	D/C	0	3025	0.0	53.0	-53.0
38		PHAGI-GWALIOR	D/C	0	814	0.0	14.2	-14.2
39		JABALPUR-ORAI	D/C	0	961	0.0	34.9	-34.9
40		GWALIOR-ORAI	S/C	351	0	7.1	0.0	7.1
41		SATNA-ORAI	S/C	0	1442	0.0	27.9	-27.9
42		CHITTORGARH-BANASKANTHA	D/C	0	1010	0.0	9.1	9.1
43		ZERDA-KANKROLI	S/C	34	153	0.1	1.2	-1.1
44	400 kV	ZERDA -BHINMAL	S/C	121	146	0.2	1.3	-1.2
45		V'CHAL -RIHAND	S/C	968	0	22.9	0.0	22.9
46		RAPP-SHUJALPUR	D/C	0	356	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	26	61	0.1	0.5	-0.5
48		BHANPURA-MORAK	S/C	0	99	0.0	1.5	-1.5
49		MEHGAON-AURAIYA	S/C	12	0	0.3	0.0	0.3
50		MALANPUR-AURAIYA	S/C	7	68	0.0	0.8	-0.8
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.2	245.0	-187.6
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	189	0	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	1667	203	14.8	0.1	14.8
55		WARDHA-NIZAMABAD	D/C	68	1660	0.0	20.1	-20.1
56	400 kV	KOLHAPUR-KUDGI	D/C	1098	0	20.9	0.0	20.9
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	61	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	1	35	0.7	0.0	0.7
WR-SR						36.4	21.4	15.0
TRANSNATIONAL EXCHANGE								
60		BHUTAN						36.4
61		NEPAL						-6.2
62		BANGLADESH						-25.1