



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: 11th August 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 10.08.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-अगस्त-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 10th August 2018, 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

11-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	55802	47389	41116	21271	2702	168279
Peak Shortage (MW)	1682	0	0	0	149	1831
Energy Met (MU)	1282	1107	952	466	54	3860
Hydro Gen (MU)	289	21	139	112	24	586
Wind Gen (MU)	22	115	235	-----	-----	371
Solar Gen (MU)*	19.19	12.43	42.11	0.64	0.02	74
Energy Shortage (MU)	12.0	0.0	0.7	0.0	1.2	13.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58584 22:59	49669 11:49	42875 07:28	21847 21:21	2718 18:41	170273 19:58

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	0.058	0.00	1.84	16.04	17.88	79.66	2.45

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	10682	0	241.3	132.0	-0.4	77	0.0	
	Haryana	8877	0	188.4	140.8	0.1	170	0.0	
	Rajasthan	10685	0	228.2	57.5	2.0	350	0.0	
	Delhi	5731	0	120.7	99.3	-1.7	129	0.0	
	UP	17965	0	391.0	190.6	0.7	499	0.0	
	Uttarakhand	1821	75	38.6	19.8	1.5	142	2.5	
	HP	1319	0	28.6	-4.9	5.0	540	0.0	
	J&K	2001	500	39.8	18.1	-3.7	255	9.5	
	Chandigarh	292	0	5.7	6.0	-0.3	28	0.0	
	WR	Chhattisgarh	3723	0	86.4	20.7	-1.4	614	0.0
Gujarat		15922	0	353.4	94.3	1.6	748	0.0	
MP		7993	0	179.0	69.3	-1.6	350	0.0	
Maharashtra		20485	0	443.3	116.3	-1.9	556	0.0	
Goa		444	0	9.5	10.1	-1.2	57	0.0	
DD		341	0	7.6	6.6	1.0	108	0.0	
DNH		776	0	18.1	17.3	0.8	102	0.0	
Essar steel		525	0	9.2	8.8	0.4	289	0.0	
SR		Andhra Pradesh	7862	0	176.1	10.5	-1.1	541	0.0
		Telangana	9649	0	201.5	97.0	0.9	459	0.0
	Karnataka	9464	0	189.3	42.6	0.2	439	0.0	
	Kerala	3198	0	63.2	23.9	0.3	235	0.7	
	Tamil Nadu	14273	0	314.5	86.8	-2.0	424	0.0	
	Pondy	354	0	7.6	7.6	0.0	36	0.0	
	ER	Bihar	4624	0	93.0	90.4	2.6	250	0.0
DVC		2934	0	66.2	-24.7	2.6	270	0.0	
Jharkhand		1068	0	24.3	19.0	0.0	90	0.0	
Odisha		5227	0	108.5	55.9	2.0	450	0.0	
West Bengal		8667	0	172.5	59.4	3.9	500	0.0	
Sikkim		87	0	1.1	1.6	-0.5	15	0.0	
NER	Arunachal Pradesh	119	3	2.3	2.6	-0.3	0	0.0	
	Assam	1733	106	34.7	28.1	2.2	185	1.0	
	Manipur	172	3	2.3	2.4	-0.1	21	0.0	
	Meghalaya	313	0	5.8	1.1	-0.2	25	0.0	
	Mizoram	78	4	1.5	0.9	0.2	11	0.0	
	Nagaland	118	3	2.5	1.9	0.2	26	0.0	
	Tripura	271	2	4.5	5.1	-0.2	49	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.3	-6.3	-15.3
Day peak (MW)	1557.2	-325.3	-678.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	266.9	-234.5	15.2	-45.6	-1.9	0.1
Actual(MU)	269.9	-234.5	9.1	-39.3	-2.6	2.6
O/D/U/D(MU)	2.9	0.0	-6.0	6.3	-0.7	2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5950	16323	10432	1715	113	34533
State Sector	6695	13976	10680	7435	50	38835
Total	12644	30299	21112	9150	163	73368

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	642	1155	455	410	11	2672
Hydro	289	21	139	112	24	586
Nuclear	27	28	24	0	0	79
Gas, Naptha & Diesel	28	44	25	0	25	121
RES (Wind, Solar, Biomass & Others)	54	127	331	1	0	513
Total	1041	1375	974	523	59	3972

Share of RES in total generation (%)	5.21	9.24	34.03	0.13	0.07	12.93
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.65	12.78	50.79	21.60	40.90	29.67

H. Diversity Factor

All India Demand Diversity Factor	1.032
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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 : 11-Aug-18

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	366	0.0	7.4	-7.4	
2		SASARAM-FATEHPUR	S/C	224	34	1.8	0.0	1.8	
3		GAYA-BALIA	S/C	0	382	0.0	8.5	-8.5	
4		ALIPURDUAR-AGRA	-	0	591	0.0	12.6	-12.6	
5	400 kV	PUSAULI B/B	S/C	0	200	0.0	3.4	-3.4	
6		PUSAULI-VARANASI	S/C	0	68	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	87	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	814	0.0	15.0	-15.0	
9		PATNA-BALIA	Q/C	0	966	0.0	18.9	-18.9	
10		BIHARSHARIFF-BALIA	D/C	0	292	0.0	5.5	-5.5	
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.3	0.0	5.3	
12		BIHARSHARIFF-VARANASI	D/C	777	283	0.0	1.4	-1.4	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	130	0.0	3.7	-3.7
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	GARWAH-RIHAND		S/C	35	0	0.7	0.0	0.7	
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						7.8	76.3	-68.5	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	875	0	15.0	0.0	15.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	993	0	15.2	0.0	15.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1129	0	19.7	0.0	19.7	
21		RANCHI-SIPAT	D/C	484	0	8.6	0.0	8.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	209	0	3.4	0.0	3.4	
23		BUDHIPADAR-KORBA	D/C	202	0	4.0	0.0	4.0	
ER-WR						66.0	0.0	66.0	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1329.8	0.0	16.2	-16.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.1	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1779.0	0.0	28.3	-28.3	
27	400 kV	TALCHER-I/C	D/C	971.8	0.6	0.0	15.3	-15.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	54.4	-54.4	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	505	0.0	7.8	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	106	308	0.0	3.2	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	126	0.0	2.0	-2	
ER-NER						0.0	13.0	-13.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	17.1	-17.1	
NER-NR						0.0	17.1	-17.1	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	40.2	-40.2	
34		V'CHAL B/B	D/C	0	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	0	0.0	42.5	-42.5	
36		GWALIOR-AGRA	D/C	0	0	0.0	58.9	-58.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	29.0	-29.0	
38		JABALPUR-ORAI	D/C	0	0	0.0	27.1	-27.1	
39		GWALIOR-ORAI	S/C	0	0	8.9	0.0	8.9	
40		SATNA-ORAI	S/C	0	0	0.0	37.2	-37.2	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	2.8	0.0	2.8
42			ZERDA -BHINMAL	S/C	0	0	1.4	0.0	1.4
43	V'CHAL -RIHAND		S/C	0	0	22.4	0.0	22.4	
44	RAPP-SHUJALPUR		D/C	0	0	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	0	0	0.1	0.5	-0.5	
46		BADOD-MORAK	S/C	0	0	0.0	1.0	-1.0	
47		MEHGAON-AURAIYA	S/C	0	0	1.0	0.0	1.0	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.4	0.0	0.3	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						43.0	238.5	-195.5	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	4.9	2.7	2.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	13.7	0.0	13.7	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	19.4	-19.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	13.7	0.0	13.7	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
WR-SR						32.3	22.1	10.2	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.3	
59		NEPAL						-6.3	
60		BANGLADESH						-15.3	