



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: 28th 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, 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 27.08.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th 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

28-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	53851	42819	36720	20584	2706	156680
Peak Shortage (MW)	1137	0	0	200	105	1442
Energy Met (MU)	1198	960	897	443	51	3549
Hydro Gen (MU)	356	45	176	111	26	713
Wind Gen (MU)	10	49	160	-----	-----	218
Solar Gen (MU)*	20.20	13.11	38.95	0.55	0.02	73
Energy Shortage (MU)	10.5	0.0	0.0	0.6	1.3	12.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55810 22:27	44636 19:18	39895 10:15	21396 21:00	2774 20:01	161278 19:33

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	0.031	0.00	0.98	5.21	6.19	86.25	7.56

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	10826	0	249.9	146.3	-0.6	109	0.0	
	Haryana	8353	0	178.4	143.3	-0.1	175	0.0	
	Rajasthan	9870	0	214.9	73.1	2.4	506	0.0	
	Delhi	5378	0	111.7	87.5	-0.2	142	0.0	
	UP	16300	130	328.6	170.4	0.9	706	0.0	
	Uttarakhand	1826	0	36.0	15.3	-0.7	81	0.0	
	HP	1371	0	28.8	-2.1	3.4	202	0.0	
	J&K	2229	557	43.6	20.3	-0.8	304	10.5	
	Chandigarh	294	0	5.9	6.7	-0.8	40	0.0	
	WR	Chhattisgarh	3074	0	71.4	28.2	-2.0	268	0.0
Gujarat		13541	0	290.3	81.1	5.0	952	0.0	
MP		7372	0	161.5	67.7	-0.8	392	0.0	
Maharashtra		18014	0	393.1	122.5	0.8	758	0.0	
Goa		403	0	8.6	8.7	-0.7	76	0.0	
DD		335	0	6.8	6.4	0.4	67	0.0	
DNH		791	0	17.9	16.8	1.1	107	0.0	
Essar steel		520	0	10.5	10.5	0.0	291	0.0	
SR		Andhra Pradesh	7841	0	175.4	19.5	3.8	495	0.0
		Telangana	8029	0	174.6	62.5	-0.3	473	0.0
	Karnataka	8853	0	178.3	52.5	0.6	483	0.0	
	Kerala	3086	0	59.2	26.1	-0.3	275	0.0	
	Tamil Nadu	14207	0	302.7	92.2	-1.4	498	0.0	
	Pondy	355	0	7.2	7.5	-0.3	34	0.0	
ER	Bihar	4812	0	92.4	92.1	0.2	60	0.0	
	DVC	2753	0	62.1	-26.2	5.7	500	0.0	
	Jharkhand	1151	0	24.1	16.3	-0.3	50	0.0	
	Odisha	4851	0	94.4	35.7	2.3	450	0.6	
	West Bengal	8387	0	169.3	57.7	0.1	400	0.0	
Sikkim	78	0	1.0	1.7	-0.6	0	0.0		
NER	Arunachal Pradesh	114	6	2.6	2.9	-0.2	6	0.0	
	Assam	1811	34	31.9	27.0	1.3	209	1.2	
	Manipur	154	17	2.2	2.6	-0.4	34	0.0	
	Meghalaya	300	5	5.8	0.4	0.4	8	0.0	
	Mizoram	71	2	1.5	1.2	-0.1	4	0.0	
	Nagaland	110	7	2.3	1.9	0.1	24	0.0	
Tripura	272	3	4.7	3.9	0.4	61	0.0		

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.3	-5.3	-14.8
Day peak (MW)	1553.6	-389.0	-649.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	251.9	-264.3	33.0	-27.1	5.6	-0.9
Actual(MU)	245.9	-264.3	30.2	-18.3	3.2	-3.4
O/D/U/D(MU)	-6.0	0.0	-2.8	8.8	-2.4	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4321	14135	9762	2470	470	31158
State Sector	9790	18871	11793	5985	50	46489
Total	14111	33006	21555	8455	520	77647

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	530	1071	413	372	7	2394
Hydro	356	45	176	111	26	714
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	24	39	23	0	18	104
RES (Wind, Solar, Biomass & Others)	44	62	240	1	0	347
Total	982	1245	876	483	52	3638

Share of RES in total generation (%)	4.52	5.00	27.41	0.11	0.07	9.55
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.52	10.82	50.25	22.98	50.93	31.33

H. Diversity Factor

All India Demand Diversity Factor	1.020
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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 : 28-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	48	368	0.0	3.8	-3.8	
2		SASARAM-FATEHPUR	S/C	285	29	2.6	0.0	2.6	
3		GAYA-BALIA	S/C	0	284	0.0	4.2	-4.2	
4		ALIPURDUAR-AGRA	-	0	691	0.0	7.7	-7.7	
5	400 kV	PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	152	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	79	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	621	0.0	10.9	-10.9	
9		PATNA-BALIA	Q/C	0	1214	0.0	20.9	-20.9	
10		BIHARSHARIFF-BALIA	D/C	0	193	0.0	2.1	-2.1	
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.0	0.0	5.0	
12		BIHARSHARIFF-VARANASI	D/C	200	126	0.4	0.0	0.4	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	144	0.0	2.7	-2.7
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	35	0	0.5	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						8.6	55.9	-47.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1131	8	23.4	0.0	23.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1079	0	16.2	0.0	16.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1243	0	23.8	0.0	23.8	
21		RANCHI-SIPAT	D/C	462	0	5.5	0.0	5.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	2.3	0.0	2.3	
23		BUDHIPADAR-KORBA	D/C	266	0	2.1	0.0	2.1	
ER-WR						73.3	0.0	73.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1189.8	0.0	12.6	-12.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	467.3	0.0	11.0	-11.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	993.0	0.0	24.1	-24.1	
27	400 kV	TALCHER-I/C	D/C	2295.6	1.0	0.0	19.4	-19.4	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	47.7	-47.7	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	977	0.0	8.2	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	0	1027	0.0	4.7	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	231	0.0	4.1	-4	
ER-NER						0.0	16.9	-16.9	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	1973	0.0	15.5	-15.5	
NER-NR						0.0	15.5	-15.5	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	38.1	-38.1	
34		V'CHAL B/B	D/C	0	0	4.5	1.2	3.3	
35		APL -MHG	D/C	0	0	0.0	24.8	-24.8	
36		GWALIOR-AGRA	D/C	0	0	0.0	53.0	-53.0	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	28.5	-28.5	
38		JABALPUR-ORAI	D/C	0	0	0.0	22.9	-22.9	
39		GWALIOR-ORAI	S/C	0	0	8.8	0.0	8.8	
40		SATNA-ORAI	S/C	0	0	0.0	42.2	-42.2	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.3	0.0	0.3
42			ZERDA -BHINMAL	S/C	0	0	0.0	2.3	-2.3
43	V'CHAL -RIHAND		S/C	0	0	21.7	0.0	21.7	
44	RAPP-SHUJALPUR		D/C	0	0	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	0	0	0.1	0.7	-0.6	
46		BADOD-MORAK	S/C	0	0	0.0	1.1	-1.1	
47		MEHGAON-AURAIYA	S/C	0	0	0.1	0.2	-0.1	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.6	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						35.5	218.5	-183.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	7.2	-7.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	4.5	0.0	4.5	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	16.9	-16.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	16.2	0.0	16.2	
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						20.7	24.1	-3.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						32.3	
59		NEPAL						-5.3	
60		BANGLADESH						-14.8	