



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: 29th 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 28.08.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th 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 29-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	52931	43998	39848	20770	2705	160252
Peak Shortage (MW)	831	0	0	434	149	1414
Energy Met (MU)	1209	998	903	447	52	3610
Hydro Gen (MU)	354	44	174	120	27	720
Wind Gen (MU)	10	49	149	-----	-----	208
Solar Gen (MU)*	17.25	11.41	51.76	0.55	0.02	81
Energy Shortage (MU)	11.0	0.0	0.0	1.3	1.5	13.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54402 00:00	45717 19:34	40672 19:04	21637 20:20	2717 19:26	163042 19:25

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	0.067	0.87	2.16	13.28	16.31	78.11	5.58

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	11183	0	254.1	145.8	-0.5	113	0.0	
	Haryana	8000	0	171.0	138.9	-1.1	213	0.0	
	Rajasthan	9791	0	222.4	76.9	0.6	262	0.0	
	Delhi	5152	0	107.6	88.3	-1.0	107	0.2	
	UP	16212	0	335.8	180.4	0.3	275	0.0	
	Uttarakhand	1796	0	38.7	16.8	0.0	149	0.0	
	HP	1404	0	30.5	-0.5	2.8	230	0.0	
	J&K	2174	544	42.6	20.5	-2.6	161	10.8	
	Chandigarh	299	0	5.9	6.5	-0.6	9	0.0	
	WR	Chhattisgarh	3272	0	73.5	21.2	0.4	719	0.0
Gujarat		14115	0	314.8	92.5	4.6	533	0.0	
MP		7265	0	163.2	70.8	0.7	817	0.0	
Maharashtra		18215	0	401.2	122.1	0.9	568	0.0	
Goa		403	0	8.6	8.8	-0.8	36	0.0	
DD		345	0	7.7	6.9	0.9	103	0.0	
DNH		788	0	18.3	17.1	1.1	140	0.0	
Essar steel		548	0	11.1	10.8	0.3	292	0.0	
SR		Andhra Pradesh	7963	0	169.3	22.1	-1.4	495	0.0
		Telangana	8795	0	188.0	66.9	-1.2	492	0.0
	Karnataka	8453	0	176.1	51.6	-2.8	292	0.0	
	Kerala	3103	0	60.8	27.1	-0.2	147	0.0	
	Tamil Nadu	14135	0	302.0	93.9	-2.1	420	0.0	
	Pondy	349	0	7.3	7.5	-0.2	33	0.0	
	ER	Bihar	4844	0	92.9	91.7	1.2	200	0.0
DVC		2877	0	64.1	-26.9	4.3	300	0.4	
Jharkhand		1037	0	22.5	16.3	-1.6	80	0.3	
Odisha		4566	0	90.3	27.6	2.7	250	0.6	
West Bengal		8732	0	176.4	53.6	3.2	220	0.0	
Sikkim		94	0	1.1	1.3	-0.2	12	0.0	
NER	Arunachal Pradesh	127	1	2.4	3.0	-0.6	6	0.0	
	Assam	1717	133	32.7	27.6	1.2	209	1.4	
	Manipur	184	2	2.5	2.7	-0.2	34	0.0	
	Meghalaya	290	0	5.6	0.4	0.0	8	0.0	
	Mizoram	78	0	1.4	1.2	-0.1	4	0.0	
	Nagaland	114	2	2.3	2.0	-0.2	24	0.0	
	Tripura	280	3	5.0	4.0	0.4	61	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.4	-5.9	-14.9
Day peak (MW)	1568.1	-308.0	-652.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	264.3	-253.2	32.3	-50.2	6.3	-0.5
Actual(MU)	256.7	-253.2	25.2	-36.3	3.5	-4.0
O/D/U/D(MU)	-7.6	0.0	-7.1	13.9	-2.8	-3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4321	14135	10262	2130	470	31319
State Sector	9770	19264	10383	5985	50	45452
Total	14091	33399	20645	8115	520	76770

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	544	1095	432	385	8	2464
Hydro	354	44	174	120	27	720
Nuclear	28	27	24	0	0	80
Gas, Naptha & Diesel	16	41	22	0	17	97
RES (Wind, Solar, Biomass & Others)	41	61	243	1	0	346
Total	984	1268	896	506	52	3706

Share of RES in total generation (%)	4.17	4.78	27.16	0.11	0.07	9.32
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.06	10.37	49.31	23.92	52.35	30.90

H. Diversity Factor

All India Demand Diversity Factor	1.013
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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 : 29-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	289	0.0	3.3	-3.3	
2		SASARAM-FATEHPUR	S/C	331	0	4.7	0.0	4.7	
3		GAYA-BALIA	S/C	0	372	0.0	6.0	-6.0	
4		ALIPURDUAR-AGRA	-	0	624	0.0	5.9	-5.9	
5	HVDC	PUSAULI B/B	S/C	0	149	0.0	3.7	-3.7	
6		PUSAULI-VARANASI	S/C	0	153	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	54	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	422	0.0	7.0	-7.0	
9		400 kV	PATNA-BALIA	Q/C	15	706	0.0	11.9	-11.9
10			BIHARSHARIFF-BALIA	D/C	0	219	0.0	3.4	-3.4
11			MOTIHARI-GORAKHPUR	D/C	119	0	5.6	0.0	5.6
12			BIHARSHARIFF-VARANASI	D/C	208	0	1.7	0.0	1.7
13		220 kV	PUSAULI-SAHUPURI	S/C	0	158	0.0	3.3	-3.3
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		132 kV	GARWAH-RIHAND	S/C	35	0	0.6	0.0	0.6
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						12.6	44.3	-31.7	
Import/Export of ER (With WR)									
18		765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1014	3	18.0	0.0	18.0
19			NEW RANCHI-DHARAMJAIGARH	D/C	1039	0	18.3	0.0	18.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1143	0	21.3	0.0	21.3	
21		RANCHI-SIPAT	D/C	472	0	8.1	0.0	8.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	2.5	0.0	2.5	
23		BUDHIPADAR-KORBA	D/C	291	0	2.3	0.0	2.3	
ER-WR						70.5	0.0	70.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	950.9	0.0	10.8	-10.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	463.2	0.0	11.0	-11.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.4	0.0	33.0	-33.0	
27	400 kV	TALCHER-I/C	D/C	2395.2	0.6	0.0	46.6	-46.6	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	54.8	-54.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1018	0.0	19.3	-19	
30		ALIPURDUAR-BONGAIGAON	D/C	0	1078	0.0	19.8	-20	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	241	0.0	4.7	-5	
ER-NER						0.0	43.8	-43.8	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	2002	0.0	42.5	-42.5	
NER-NR						0.0	42.5	-42.5	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	34.4	-34.4	
34		V'CHAL B/B	D/C	0	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	0	0.0	48.4	-48.4	
36		765 kV	GWALIOR-AGRA	D/C	0	0	0.0	48.9	-48.9
37			PHAGI-GWALIOR	D/C	0	0	0.0	26.9	-26.9
38			JABALPUR-ORAI	D/C	0	0	0.0	21.1	-21.1
39			GWALIOR-ORAI	S/C	0	0	8.0	0.0	8.0
40		SATNA-ORAI	S/C	0	0	0.0	42.1	-42.1	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	3.1	0.0	3.1
42			ZERDA -BHINMAL	S/C	0	0	0.5	0.0	0.5
43			V'CHAL -RIHAND	S/C	0	0	22.0	0.0	22.0
44			RAPP-SHUJALPUR	D/C	0	0	0	3	-3
45		220 kV	BADOD-KOTA	S/C	0	0	0.1	0.3	-0.3
46			BADOD-MORAK	S/C	0	0	0.0	0.8	-0.8
47			MEHGAON-AURAIYA	S/C	0	0	0.2	0.1	0.1
48		132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.5	-0.5
49			GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.7	226.0	-186.3	
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	15.1	0.0	15.1	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	10.3	-10.3	
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						31.3	17.5	13.8	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.4	
59		NEPAL						-5.9	
60		BANGLADESH						-14.9	