



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: 25th 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 24.08.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th 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

25-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	54173	43694	41028	21960	2649	163504
Peak Shortage (MW)	954	693	0	140	148	1935
Energy Met (MU)	1170	993	952	468	52	3635
Hydro Gen (MU)	293	27	190	117	27	654
Wind Gen (MU)	47	111	154	-----	-----	313
Solar Gen (MU)*	19.55	12.2	52.69	0.42	0.01	85
Energy Shortage (MU)	9.5	1.6	0.0	0.4	1.4	13.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55294 19:42	45092 19:24	41565 07:15	22171 19:31	2671 18:46	165278 19:31

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	0.034	0.08	0.86	6.19	7.13	84.64	8.23

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	10481	0	229.3	136.8	-0.1	141	0.0	
	Haryana	8575	0	173.9	136.3	2.1	254	0.0	
	Rajasthan	9721	0	212.2	55.3	0.3	454	0.0	
	Delhi	5453	0	111.9	90.5	-1.2	123	0.0	
	UP	16616	460	336.9	170.8	0.5	243	0.0	
	Uttarakhand	1828	0	39.5	24.4	-1.0	152	0.0	
	HP	1437	0	20.7	1.9	4.3	499	0.0	
	J&K	1976	494	39.7	20.6	-5.9	43	9.5	
	Chandigarh	291	0	5.6	6.1	-0.5	15	0.0	
	WR	Chhattisgarh	3698	0	86.0	27.3	0.4	751	1.6
Gujarat		13781	0	303.7	72.5	3.3	495	0.0	
MP		7616	0	163.2	71.5	-0.3	498	0.0	
Maharashtra		17867	0	393.7	117.1	-5.2	701	0.0	
Goa		441	0	9.9	8.9	0.3	44	0.0	
DD		340	0	7.7	6.7	1.0	89	0.0	
DNH		773	0	18.3	17.4	0.9	81	0.0	
Essar steel		547	0	11.0	11.4	-0.4	270	0.0	
SR		Andhra Pradesh	8019	0	181.8	22.1	1.9	624	0.0
		Telangana	9119	0	194.2	80.4	1.4	599	0.0
	Karnataka	9169	0	186.9	38.8	1.4	592	0.0	
	Kerala	3001	0	59.3	26.1	0.3	171	0.0	
	Tamil Nadu	14653	0	322.3	113.4	0.3	410	0.0	
	Pondy	370	0	7.9	7.9	0.0	62	0.0	
ER	Bihar	4737	0	90.3	92.2	-1.8	50	0.0	
	DVC	2677	0	60.1	-30.0	6.7	580	0.4	
	Jharkhand	1158	0	23.6	19.3	-0.2	140	0.0	
	Odisha	5421	0	114.9	55.9	-0.3	210	0.0	
	West Bengal	8789	0	178.2	62.3	3.5	250	0.0	
NER	Sikkim	92	0	1.2	1.3	-0.2	0	0.0	
	Arunachal Pradesh	128	1	2.2	3.6	-1.3	59	0.0	
	Assam	1741	75	33.5	29.2	1.2	208	1.3	
	Manipur	166	3	2.3	2.8	-0.4	44	0.0	
	Meghalaya	289	1	5.2	1.0	0.0	53	0.0	
	Mizoram	75	3	1.5	1.3	-0.1	15	0.0	
	Nagaland	111	2	2.3	2.1	-0.3	23	0.0	
	Tripura	265	4	4.7	4.3	-0.3	83	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.6	-6.7	-14.7
Day peak (MW)	1567.7	-393.6	-646.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	267.0	-260.1	23.3	-38.5	8.1	-0.2
Actual(MU)	256.1	-262.5	25.8	-28.1	4.7	-4.0
O/D/U/D(MU)	-10.9	-2.5	2.5	10.4	-3.4	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4026	15735	9972	1670	509	31912
State Sector	9905	18948	10753	7295	50	46951
Total	13931	34683	20725	8965	559	78863

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	530	1051	454	401	8	2444
Hydro	293	27	190	117	27	654
Nuclear	23	27	24	0	0	74
Gas, Naptha & Diesel	25	48	22	0	15	111
RES (Wind, Solar, Biomass & Others)	68	124	247	0	0	439
Total	939	1278	937	518	51	3723

Share of RES in total generation (%)	7.29	9.67	26.32	0.08	0.05	11.80
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.87	13.95	49.20	22.62	54.30	31.37

H. Diversity Factor

All India Demand Diversity Factor	1.009
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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 : 25-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	130	283	0.0	1.0	-1.0	
2		SASARAM-FATEHPUR	S/C	339	0	5.2	0.0	5.2	
3		GAYA-BALIA	S/C	0	318	0.0	3.8	-3.8	
4		ALIPURDUAR-AGRA	-	0	690	0.0	17.6	-17.6	
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	8.6	-8.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	323	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	12	162	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	632	0.0	10.9	-10.9	
9		PATNA-BALIA	Q/C	0	1197	0.0	22.9	-22.9	
10		BIHARSHARIFF-BALIA	D/C	0	187	0.0	3.1	-3.1	
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.7	0.0	4.7	
12		BIHARSHARIFF-VARANASI	D/C	153	109	0.1	0.0	0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	165	0.0	3.5	-3.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		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						10.6	71.5	-60.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1201	0	20.6	0.0	20.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	879	0	13.2	0.0	13.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1260	0	22.6	0.0	22.6	
21		RANCHI-SIPAT	D/C	394	0	6.7	0.0	6.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	100	3	0.5	0.0	0.5	
23		BUDHIPADAR-KORBA	D/C	326	0	5.5	0.0	5.5	
ER-WR						69.1	0.0	69.1	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	846.9	0.0	11.4	-11.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	470.0	0.0	10.9	-10.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1386.9	0.0	20.8	-20.8	
27	400 kV	TALCHER-I/C	D/C	1040.9	0.8	0.0	22.0	-22.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	43.1	-43.1	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	525	0.0	11.7	-12	
30		ALIPURDUAR-BONGAIGAON	D/C	0	392	0.0	5.0	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	165	0.0	2.8	-3	
ER-NER						0.0	19.5	-19.5	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	16.8	-16.8	
NER-NR						0.0	16.8	-16.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	35.1	-35.1	
34		V'CHAL B/B	D/C	0	0	4.2	0.0	4.2	
35		APL -MHG	D/C	0	0	0.0	29.1	-29.1	
36		GWALIOR-AGRA	D/C	0	0	0.0	52.4	-52.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	30.1	-30.1	
38		JABALPUR-ORAI	D/C	0	0	0.0	25.0	-25.0	
39		GWALIOR-ORAI	S/C	0	0	7.7	0.0	7.7	
40		SATNA-ORAI	S/C	0	0	0.0	40.5	-40.5	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.3	0.0	0.3
42			ZERDA -BHINMAL	S/C	0	0	0.8	0.0	0.8
43	V'CHAL -RIHAND		S/C	0	0	20.9	0.0	20.9	
44	RAPP-SHUJALPUR		D/C	0	0	0	2	-2	
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	0.2	0.2	0.0	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.1	0.5	-0.5	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						34.2	216.6	-182.4	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	13.8	-13.8	
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	13.7	-13.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	11.9	0.0	11.9	
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						16.4	27.5	-11.2	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.6	
59		NEPAL						-6.7	
60		BANGLADESH						-14.7	