



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 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 23.08.2018.

महोदय/Dear Sir,

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

24-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	53031	43568	41389	21993	2657	162638
Peak Shortage (MW)	624	88	0	185	148	1045
Energy Met (MU)	1187	979	943	471	53	3632
Hydro Gen (MU)	321	24	187	114	22	668
Wind Gen (MU)	41	119	183	-----	-----	344
Solar Gen (MU)*	16.88	11	49.01	0.48	0.02	77
Energy Shortage (MU)	10.7	0.5	0.0	0.6	1.6	13.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54715 00:00	45072 19:25	42832 15:55	22356 20:45	2689 18:43	165229 19:46

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	0.039	0.00	0.29	10.06	10.35	83.32	6.33

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	9958	0	223.0	138.5	-0.9	51	0.0
	Haryana	8062	0	169.7	131.5	-0.2	235	0.0
	Rajasthan	9404	0	211.2	60.3	-0.6	335	0.0
	Delhi	5403	0	113.4	92.5	-1.4	135	0.0
	UP	18080	0	359.5	182.6	0.5	283	0.0
	Uttarakhand	1941	0	40.4	21.3	0.9	192	0.0
	HP	1340	0	19.5	-2.2	4.4	969	0.0
	J&K	2095	524	44.6	20.0	0.0	298	10.7
WR	Chandigarh	254	0	5.3	6.1	-0.8	-16	0.0
	Chhattisgarh	3760	0	86.6	28.8	1.5	716	0.5
	Gujarat	13380	0	298.5	63.7	2.7	648	0.0
	MP	7512	0	162.5	73.1	0.5	299	0.0
	Maharashtra	17539	0	383.7	111.7	-0.9	679	0.0
	Goa	441	0	9.7	8.7	0.4	83	0.0
	DD	337	0	7.6	6.5	1.1	100	0.0
	DNH	795	0	18.6	17.0	1.6	128	0.0
SR	Essar steel	11258	0	11.3	10.9	0.4	258	0.0
	Andhra Pradesh	8350	0	181.5	20.7	2.8	760	0.0
	Telangana	9109	0	187.8	59.8	0.5	408	0.0
	Karnataka	8646	0	181.5	36.5	-0.8	469	0.0
	Kerala	3106	0	60.0	27.3	-0.6	212	0.0
	Tamil Nadu	14950	0	323.9	102.9	1.2	785	0.0
	Pondy	372	0	8.2	8.2	0.0	71	0.0
	ER	Bihar	4885	0	95.4	95.5	-0.4	412
DVC		2897	0	65.6	-29.4	4.3	435	0.6
Jharkhand		1019	0	24.8	19.7	1.2	185	0.0
Odisha		5679	0	113.2	58.3	2.2	445	0.0
West Bengal		8439	0	171.1	49.6	4.0	456	0.0
Sikkim		83	0	1.1	1.3	-0.3	20	0.0
NER	Arunachal Pradesh	129	1	2.3	2.4	-0.1	59	0.0
	Assam	1721	87	34.5	29.2	2.0	208	1.5
	Manipur	171	1	2.4	2.3	0.1	44	0.0
	Meghalaya	306	0	5.2	1.2	-0.2	53	0.0
	Mizoram	80	3	1.5	0.9	0.2	15	0.0
	Nagaland	112	2	2.4	1.7	0.3	23	0.0
	Tripura	275	1	4.4	4.1	-0.1	83	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.1	-6.6	-14.6
Day peak (MW)	1546.4	-344.0	-622.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	268.7	-238.5	1.9	-38.8	8.6	1.8
Actual(MU)	222.0	-215.0	-1.5	-20.5	9.9	-5.1
O/D/U/D(MU)	-46.7	23.5	-3.4	18.3	1.3	-6.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	7092	16170	10262	1670	454	35648
State Sector	9404	18513	10253	5585	50	43805
Total	16496	34683	20515	7255	504	79453

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	527	1011	446	402	9	2395
Hydro	321	25	187	114	22	668
Nuclear	25	27	24	0	0	77
Gas, Naptha & Diesel	22	44	23	0	16	105
RES (Wind, Solar, Biomass & Others)	60	130	272	0	0	462
Total	955	1237	951	517	46	3707

Share of RES in total generation (%)	6.26	10.54	28.56	0.09	0.10	12.47
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.48	14.75	50.76	22.19	46.91	32.57

H. Diversity Factor

All India Demand Diversity Factor	1.015
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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-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	124	217	0.0	2.1	-2.1		
2		SASARAM-FATEHPUR	S/C	351	0	6.2	0.0	6.2		
3		GAYA-BALIA	S/C	0	298	0.0	4.3	-4.3		
4		ALIPURDUAR-AGRA	-	0	783	0.0	16.5	-16.5		
5	400 kV	PUSAULI B/B	S/C	0	398	0.0	9.6	-9.6		
6		PUSAULI-VARANASI	S/C	0	294	0.0	0.0	0.0		
7		PUSAULI -ALLAHABAD	S/C	0	171	0.0	0.0	0.0		
8		MUZAFFARPUR-GORAKHPUR	D/C	0	559	0.0	8.6	-8.6		
9		PATNA-BALIA	Q/C	0	1037	0.0	20.4	-20.4		
10		BIHARSHARIFF-BALIA	D/C	4	179	0.0	2.2	-2.2		
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.5	0.0	5.5		
12		BIHARSHARIFF-VARANASI	D/C	196	34	1.4	0.0	1.4		
13		220 kV	PUSAULI-SAHUPURI	S/C	0	217	0.0	3.5	-3.5	
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15			132 kV	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						13.6	67.2	-53.5		
Import/Export of ER (With WR)										
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	996	0	19.4	0.0	19.4		
19		NEW RANCHI-DHARAMJAIGARH	D/C	722	0	13.7	0.0	13.7		
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	986	0	20.6	0.0	20.6		
21		RANCHI-SIPAT	D/C	374	0	7.2	0.0	7.2		
22	220 kV	BUDHIPADAR-RAIGARH	S/C	166	0	2.2	0.0	2.2		
23		BUDHIPADAR-KORBA	D/C	172	0	3.3	0.0	3.3		
ER-WR						66.4	0.0	66.4		
Import/Export of ER (With SR)										
24	765 kV	ANGUL-SRIKAKULAM	D/C	68.0	936.9	0.0	8.8	-8.8		
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	599.0	0.0	14.5	-14.5		
27	400 kV	TALCHER-1/C	D/C	1303.0	0.6	0.0	25.5	-25.5		
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0		
ER-SR						0.0	34.3	-34.3		
Import/Export of ER (With NER)										
29	400 kV	BINAGURI-BONGAIGAON	D/C	4	770	0.0	12.1	-12		
30		ALIPURDUAR-BONGAIGAON	D/C	0	627	0.0	7.5	-7		
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	187	0.0	4.6	-5		
ER-NER						0.0	24.2	-24.2		
Import/Export of NER (With NR)										
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.4	-15.4		
NER-NR						0.0	15.4	-15.4		
Import/Export of WR (With NR)										
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	37.4	-37.4		
34		V'CHAL B/B	D/C	0	0	6.0	0.0	6.0		
35		APL -MHG	D/C	0	0	0.0	33.5	-33.5		
36		765 kV	GWALIOR-AGRA	D/C	0	0	0.0	50.6	-50.6	
37	PHAGI-GWALIOR		D/C	0	0	0.0	0.0	0.0		
38	JABALPUR-ORAI		D/C	0	0	0.0	23.0	-23.0		
39	GWALIOR-ORAI		S/C	0	0	7.4	0.0	7.4		
40	SATNA-ORAI		S/C	0	0	0.0	40.7	-40.7		
41	400 kV		ZERDA-KANKROLI	S/C	0	0	0.1	0.0	0.1	
42			ZERDA -BHINMAL	S/C	0	0	0.0	1.0	-1.0	
43			V'CHAL -RIHAND	S/C	0	0	19.6	0.0	19.6	
44		RAPP-SHUJALPUR	D/C	0	0	0	2	-2		
45	220 kV	BADOD-KOTA	S/C	0	0	0.1	0.6	-0.5		
46		BADOD-MORAK	S/C	0	0	0.0	1.0	-1.0		
47		MEHGAON-AURAIYA	S/C	0	0	0.2	0.1	0.1		
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						33.5	190.5	-157.0		
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	9.4	0.0	9.4		
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	7.3	-7.3		
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	13.2	0.0	13.2		
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						22.7	14.5	8.2		
TRANSNATIONAL EXCHANGE										
58		BHUTAN						32.1		
59		NEPAL						-6.6		
60		BANGLADESH						-14.6		