



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: 14th 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 13.08.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th August 2018, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	53724	47376	38686	21126	2676	163588
Peak Shortage (MW)	840	0	0	250	150	1240
Energy Met (MU)	1214	1105	847	452	49	3667
Hydro Gen (MU)	305	22	143	96	23	589
Wind Gen (MU)	36	134	228	-----	-----	398
Solar Gen (MU)*	16.21	13.53	40.12	1.20	0.02	71
Energy Shortage (MU)	10.5	0.0	0.0	0.8	1.7	12.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54959 19:58	50635 14:45	38694 19:08	21420 20:13	2755 19:05	165472 19:52

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	0.057	0.00	2.08	11.93	14.02	72.97	13.01

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	10111	0	224.7	134.4	0.4	117	0.0	
	Haryana	8775	0	185.5	139.7	1.3	362	0.0	
	Rajasthan	10954	0	238.4	60.5	4.5	448	0.7	
	Delhi	5629	0	114.9	96.5	-1.5	132	0.0	
	UP	16587	200	350.5	184.2	0.8	864	0.0	
	Uttarakhand	1848	0	34.4	17.9	-0.3	169	0.9	
	HP	1193	0	23.8	-3.2	3.6	887	0.1	
	J&K	2373	593	36.9	14.3	-2.0	257	8.8	
	Chandigarh	252	0	5.3	6.1	-0.8	0	0.0	
	WR	Chhattisgarh	3685	0	83.6	15.3	0.7	815	0.0
Gujarat		16236	0	356.2	72.6	-1.0	756	0.0	
MP		8223	0	184.9	76.2	1.8	766	0.0	
Maharashtra		19880	0	435.5	121.2	-2.8	663	0.0	
Goa		423	0	9.4	10.1	-1.3	84	0.0	
DD		344	0	7.5	6.5	1.0	109	0.0	
DNH		793	0	18.3	16.9	1.4	138	0.0	
Essar steel		506	0	9.3	9.6	-0.3	291	0.0	
SR		Andhra Pradesh	6997	0	158.0	0.4	0.9	520	0.0
		Telangana	8069	0	168.2	81.5	1.4	435	0.0
	Karnataka	7828	0	158.8	26.3	-4.0	411	0.0	
	Kerala	3084	0	60.4	22.3	-0.7	161	0.0	
	Tamil Nadu	13839	0	294.1	82.7	-0.6	717	0.0	
	Pondy	337	0	7.3	7.6	-0.3	15	0.0	
	ER	Bihar	4774	0	90.1	88.5	-0.4	200	0.0
DVC		2822	0	65.2	-28.9	4.5	220	0.8	
Jharkhand		1190	0	24.4	18.5	0.1	85	0.0	
Odisha		4823	0	102.3	55.2	1.6	225	0.0	
West Bengal		8385	0	168.4	62.0	3.3	250	0.0	
Sikkim		89	0	1.1	1.3	-0.2	15	0.0	
NER	Arunachal Pradesh	122	3	2.2	2.6	-0.3	0	0.0	
	Assam	1690	130	30.5	24.1	1.4	185	1.5	
	Manipur	165	5	2.3	2.5	-0.2	21	0.0	
	Meghalaya	302	0	5.6	0.9	-0.1	25	0.0	
	Mizoram	79	3	1.4	1.0	0.0	11	0.0	
	Nagaland	123	1	2.3	1.8	0.1	26	0.0	
	Tripura	266	0	5.0	4.4	0.7	49	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	34.7	-7.2	-15.5
Day peak (MW)	1563.3	-248.3	-690.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	257.8	-249.3	10.8	-18.8	-0.3	0.3
Actual(MU)	248.3	-250.9	6.0	-8.1	-0.8	-5.6
O/D/U/D(MU)	-9.6	-1.7	-4.8	10.7	-0.5	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	7243	15901	10722	2515	328	36709
State Sector	8665	15318	12660	7245	50	43937
Total	15907	31219	23382	9760	378	80646

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	568	1135	353	385	4	2444
Hydro	305	21	143	96	23	588
Nuclear	27	27	24	0	0	78
Gas, Naptha & Diesel	18	37	24	0	26	105
RES (Wind, Solar, Biomass & Others)	67	148	306	1	0	522
Total	984	1368	851	482	53	3738

Share of RES in total generation (%)	6.76	10.82	36.00	0.25	0.05	13.97
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.50	14.35	55.66	20.09	43.73	31.80

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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 : 14-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	430	0.0	5.6	-5.6		
2		SASARAM-FATEHPUR	S/C	311	0	4.4	0.0	4.4		
3		GAYA-BALIA	S/C	0	380	0.0	6.0	-6.0		
4		ALIPURDUAR-AGRA	-	0	688	0.0	17.2	-17.2		
5	400 kV	PUSAULI B/B	S/C	0	200	0.0	3.6	-3.6		
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	668	0.0	10.5	-10.5		
9		PATNA-BALIA	Q/C	0	863	0.0	14.6	-14.6		
10		BIHARSHARIFF-BALIA	D/C	0	231	0.0	3.3	-3.3		
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.6	0.0	4.6		
12		BIHARSHARIFF-VARANASI	D/C	25	0	0.1	0.0	0.1		
13		220 kV	PUSAULI-SAHUPURI	S/C	0	130	0.0	3.6	-3.6	
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						9.7	64.4	-54.7		
Import/Export of ER (With WR)										
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1389	8	27.9	0.0	27.9		
19		NEW RANCHI-DHARAMJAIGARH	D/C	1150	0	18.5	0.0	18.5		
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1273	0	26.7	0.0	26.7		
21		RANCHI-SIPAT	D/C	564	0	9.9	0.0	9.9		
22	220 kV	BUDHIPADAR-RAIGARH	S/C	156	0	2.1	0.0	2.1		
23		BUDHIPADAR-KORBA	D/C	181	0	3.6	0.0	3.6		
ER-WR						88.6	0.0	88.6		
Import/Export of ER (With SR)										
24	765 kV	ANGUL-SRIKAKULAM	D/C	226.0	915.9	0.0	8.9	-8.9		
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	416.8	0.0	10.0	-10.0		
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1288.9	0.0	29.2	-29.2		
27	400 kV	TALCHER-I/C	D/C	1100.8	0.8	0.0	16.0	-16.0		
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0		
ER-SR						0.0	48.1	-48.1		
Import/Export of ER (With NER)										
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	607	0.0	9.1	-9		
30		ALIPURDUAR-BONGAIGAON	D/C	93	308	0.0	2.6	-3		
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	130	0.0	1.9	-2		
ER-NER						0.0	13.6	-13.6		
Import/Export of NER (With NR)										
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	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	25.5	-25.5		
34		V'CHAL B/B	D/C	0	0	5.7	0.3	5.3		
35		APL -MHG	D/C	0	0	0.0	36.9	-36.9		
36		765 kV	GWALIOR-AGRA	D/C	0	0	0.0	54.5	-54.5	
37			PHAGI-GWALIOR	D/C	0	0	0.0	25.8	-25.8	
38			JABALPUR-ORAI	D/C	0	0	0.0	27.9	-27.9	
39			GWALIOR-ORAI	S/C	0	0	9.9	0.0	9.9	
40			SATNA-ORAI	S/C	0	0	0.0	37.6	-37.6	
41			ZERDA-KANKROLI	S/C	0	0	0.0	1.3	-1.3	
42		400 kV	ZERDA -BHINMAL	S/C	0	0	0.0	2.3	-2.3	
43			V'CHAL -RIHAND	S/C	0	0	20.3	0.0	20.3	
44			RAPP-SHUJALPUR	D/C	0	0	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	0	0	0.1	0.8	-0.7		
46		BADOD-MORAK	S/C	0	0	0.0	1.1	-1.1		
47		MEHGAON-AURAIYA	S/C	0	0	0.2	0.0	0.2		
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						36.1	216.9	-180.8		
Import/Export of WR (With SR)										
50	HVDC	BHADRAWATI B/B	-	0	0	2.7	3.3	-0.6		
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0		
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	15.9	0.0	15.9		
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	13.6	-13.6		
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	17.5	0.0	17.5		
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						36.1	16.9	19.2		
TRANSNATIONAL EXCHANGE										
58		BHUTAN						34.7		
59		NEPAL						-7.2		
60		BANGLADESH						-15.5		