



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: 26th August 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. 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
3. 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
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 25.08.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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

26-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	52272	43743	41599	21094	2697	161405
Peak Shortage (MW)	674	0	0	203	119	996
Energy Met (MU)	1171	994	941	450	52	3608
Hydro Gen (MU)	342	25	184	111	27	690
Wind Gen (MU)	44	118	152	-----	-----	314
Solar Gen (MU)*	18.72	12.4	54.11	0.36	0.02	86
Energy Shortage (MU)	9.9	0.0	0.0	1.0	1.5	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	64797 04:58	45114 19:37	41469 19:04	21641 19:28	2677 19:22	163767 19:42

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	0.025	0.00	0.00	2.35	2.35	81.25	16.40

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	10718	0	237.4	138.9	0.2	160	0.0	
	Haryana	8430	0	181.2	145.9	-0.3	201	0.0	
	Rajasthan	9847	0	216.8	49.4	1.0	347	0.0	
	Delhi	5253	0	107.6	87.1	-2.2	46	0.0	
	UP	15751	0	322.6	158.9	-0.4	590	0.0	
	Uttarakhand	1708	0	36.6	18.1	0.0	167	0.0	
	HP	1416	0	21.1	0.9	2.4	375	0.0	
	J&K	2176	544	41.9	18.6	-1.6	207	9.9	
	Chandigarh	263	0	5.4	6.1	-0.7	24	0.0	
	WR	Chhattisgarh	3822	0	87.1	35.5	-0.8	284	0.0
Gujarat		13560	0	300.8	70.2	4.4	537	0.0	
MP		7315	0	162.6	73.1	-1.7	329	0.0	
Maharashtra		18030	0	398.2	118.3	-3.7	509	0.0	
Goa		441	0	9.8	8.9	0.3	36	0.0	
DD		336	0	6.2	6.7	-0.5	55	0.0	
DNH		793	0	18.4	17.5	0.9	80	0.0	
Essar steel		566	0	11.4	11.5	-0.1	344	0.0	
SR		Andhra Pradesh	7939	0	179.8	21.3	0.9	518	0.0
		Telangana	9210	0	198.5	80.5	1.0	388	0.0
	Karnataka	8619	0	182.8	39.6	0.8	552	0.0	
	Kerala	2792	0	55.8	21.2	1.3	378	0.0	
	Tamil Nadu	14681	0	316.2	109.0	0.5	501	0.0	
	Pondy	356	0	7.7	7.5	0.1	66	0.0	
	ER	Bihar	4709	0	85.8	86.9	-1.1	250	0.0
		DVC	2555	0	55.6	-20.4	8.0	690	1.0
		Jharkhand	955	0	22.4	17.2	-0.5	0	0.0
		Odisha	5430	0	109.6	50.6	0.9	250	0.0
West Bengal		8768	0	175.6	63.1	2.2	200	0.0	
Sikkim		92	0	1.0	1.3	-0.2	10	0.0	
NER	Arunachal Pradesh	114	15	2.3	2.8	-0.5	11	0.0	
	Assam	1743	78	33.5	27.7	1.4	236	1.4	
	Manipur	170	3	2.2	2.6	-0.4	39	0.0	
	Meghalaya	285	0	5.5	0.2	0.1	29	0.0	
	Mizoram	79	2	1.5	1.0	0.1	21	0.0	
	Nagaland	105	6	2.3	1.9	0.0	22	0.0	
	Tripura	259	4	4.4	3.9	0.0	38	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.5	-5.2	-14.7
Day peak (MW)	1543.8	-336.1	-652.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	239.6	-248.3	23.6	-20.0	4.9	-0.1
Actual(MU)	218.2	-230.0	27.5	-8.5	4.7	11.9
O/D/U/D(MU)	-21.5	18.3	3.9	11.5	-0.2	12.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3861	14566	9372	2170	509	30479
State Sector	8535	19353	10753	7795	50	46485
Total	12396	33919	20125	9965	559	76964

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	531	1033	449	366	8	2387
Hydro	342	26	184	111	27	690
Nuclear	24	27	24	0	0	75
Gas, Naptha & Diesel	21	45	22	0	16	105
RES (Wind, Solar, Biomass & Others)	65	130	243	0	0	439
Total	983	1262	923	477	51	3695

Share of RES in total generation (%)	6.59	10.32	26.37	0.08	0.07	11.87
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.83	14.53	48.93	23.33	53.26	32.58

H. Diversity Factor

All India Demand Diversity Factor	1.073
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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 : 26-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	35	250	0.0	3.2	-3.2	
2		SASARAM-FATEHPUR	S/C	273	0	3.1	0.0	3.1	
3		GAYA-BALIA	S/C	0	240	0.0	3.7	-3.7	
4		ALIPURDUAR-AGRA	-	0	683	0.0	12.2	-12.2	
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	151	0.0	0.0	0.0	
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	58	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	529	0.0	8.5	-8.5	
9		PATNA-BALIA	Q/C	0	1037	0.0	19.2	-19.2	
10		BIHARSHARIFF-BALIA	D/C	10	160	0.0	3.2	-3.2	
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.7	0.0	4.7	
12		BIHARSHARIFF-VARANASI	D/C	191	113	0.1	0.0	0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	2	147	0.0	2.5	-2.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.5	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	8.4	56.1	-47.7
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1307	3	23.9	0.0	23.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	980	0	18.7	0.0	18.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1291	0	24.3	0.0	24.3	
21		RANCHI-SIPAT	D/C	431	0	7.4	0.0	7.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	287	0	5.4	0.0	5.4	
						ER-WR	79.7	0.0	79.7
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1108.8	0.0	12.5	-12.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	467.3	0.0	11.1	-11.1	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1000.0	0.0	17.6	-17.6	
27	400 kV	TALCHER-I/C	D/C	1002.3	0.9	0.0	20.6	-20.6	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	41.1	-41.1
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	422	0.0	10.1	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	0	436	0.0	5.2	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	150	0.0	2.7	-3	
						ER-NER	0.0	18.0	-18.0
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	17.0	-17.0	
						NER-NR	0.0	17.0	-17.0
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2002	0.0	28.6	-28.6	
34		V'CHAL B/B	D/C	241	0	5.7	0.0	5.7	
35		APL -MHG	D/C	0	1172	0.0	29.1	-29.1	
36		GWALIOR-AGRA	D/C	0	1289	0.0	46.4	-46.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	1211	0.0	24.0	-24.0	
38		JABALPUR-ORAI	D/C	0	570	0.0	18.7	-18.7	
39		GWALIOR-ORAI	S/C	349	0	6.7	0.0	6.7	
40		SATNA-ORAI	S/C	0	1878	0.0	40.5	-40.5	
41		400 kV	ZERDA-KANKROLI	S/C	234	105	1.3	0.0	1.3
42			ZERDA -BHINMAL	S/C	145	103	0.3	0.0	0.3
43	V'CHAL -RIHAND		S/C	962	0	19.8	0.0	19.8	
44	RAPP-SHUJALPUR		D/C	94	227	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	45	26	0.2	0.4	-0.2	
46		BADOD-MORAK	S/C	12	68	0.0	0.8	-0.8	
47		MEHGAON-AURAIYA	S/C	43	36	0.1	0.2	-0.1	
48	132kV	MALANPUR-AURAIYA	S/C	18	52	0.0	0.7	-0.7	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	34.0	190.3	-156.3
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	309	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	1154	1040	4.1	0.0	4.1	
53		WARDHA-NIZAMABAD	D/C	0	1588	0.0	18.5	-18.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	799	0	11.7	0.0	11.7	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	96	1.8	0.0	1.8	
						WR-SR	17.6	25.7	-8.2
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.5	
59		NEPAL						-5.2	
60		BANGLADESH						-14.7	