



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: 07th 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. 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
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. 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 06.08.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-अगस्त-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 06th 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

7-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	51622	47621	41632	20762	2692	164329
Peak Shortage (MW)	976	0	30	100	145	1251
Energy Met (MU)	1195	1120	956	426	52	3748
Hydro Gen (MU)	330	17	104	104	27	582
Wind Gen (MU)	35	178	232	-----	-----	444
Solar Gen (MU)*	14.80	13.51	47.18	0.24	0.02	76
Energy Shortage (MU)	9.9	0.9	0.1	0.3	1.3	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52828 00:19	50224 11:39	41894 19:24	21275 20:28	2775 19:01	167547 19:55

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	0.029	0.00	0.08	6.33	6.41	88.37	5.22

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	10898	0	254.8	148.3	-1.3	72	0.0	
	Haryana	8103	0	170.8	135.6	0.0	168	0.0	
	Rajasthan	10861	0	235.1	62.3	1.1	389	0.0	
	Delhi	5044	0	105.7	87.6	-1.8	84	0.0	
	UP	15953	170	324.2	182.5	-0.1	254	0.0	
	Uttarakhand	1675	0	34.5	16.0	-0.4	136	0.0	
	HP	1207	0	24.9	-3.7	1.6	173	0.1	
	J&K	2146	536	40.7	15.3	-0.1	232	9.8	
	Chandigarh	241	0	4.9	6.3	-1.4	0	0.0	
	WR	Chhattisgarh	4124	0	96.1	27.0	-2.9	570	0.0
Gujarat		15483	0	344.1	57.9	2.0	598	0.0	
MP		8354	0	185.4	85.4	-3.6	494	0.0	
Maharashtra		20294	0	446.0	109.1	6.3	786	0.9	
Goa		444	0	11.6	8.5	2.5	36	0.0	
DD		336	0	7.4	6.4	1.0	109	0.0	
DNH		770	0	17.9	16.6	1.3	102	0.0	
Essar steel		554	0	11.1	11.1	0.0	353	0.0	
SR		Andhra Pradesh	7943	0	181.6	12.2	1.3	450	0.0
		Telangana	9727	0	209.1	101.5	1.7	467	0.0
	Karnataka	9258	0	183.2	48.7	0.9	424	0.0	
	Kerala	3177	0	64.9	26.6	1.0	319	0.0	
	Tamil Nadu	14587	0	309.6	86.0	-2.6	438	0.0	
	Pondy	350	30	7.5	7.5	0.0	48	0.1	
	ER	Bihar	4548	0	80.9	80.5	0.1	0	0.0
DVC		2992	0	66.8	-25.1	0.2	0	0.0	
Jharkhand		1075	0	22.0	19.0	0.0	0	0.0	
Odisha		4992	0	98.2	49.9	2.9	0	0.3	
West Bengal		8102	0	156.9	57.1	1.1	0	0.0	
Sikkim		83	0	1.0	1.2	-0.2	0	0.0	
NER	Arunachal Pradesh	114	2	2.2	2.5	-0.3	0	0.0	
	Assam	1777	76	33.3	25.6	2.4	222	1.2	
	Manipur	163	2	2.2	2.3	-0.1	15	0.0	
	Meghalaya	301	0	5.6	0.7	0.0	64	0.0	
	Mizoram	82	3	1.4	1.0	0.1	6	0.0	
	Nagaland	116	2	2.2	1.9	-0.1	9	0.0	
	Tripura	264	2	4.7	5.3	0.8	43	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.4	-4.4	-15.4
Day peak (MW)	1784.6	-271.8	-676.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	259.6	-227.5	22.6	-50.7	-3.4	0.6
Actual(MU)	248.0	-228.1	25.2	-46.2	-1.8	-3.0
O/D/U/D(MU)	-11.6	-0.6	2.5	4.5	1.6	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6222	17005	9972	1320	429	34948
State Sector	9315	13501	9760	6155	50	38781
Total	15537	30506	19732	7475	479	73728

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	537	1081	473	386	5	2481
Hydro	330	18	104	104	27	583
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	18	41	23	0	26	108
RES (Wind, Solar, Biomass & Others)	62	191	319	0	0	572
Total	975	1358	942	491	57	3823

Share of RES in total generation (%)	6.36	14.08	33.82	0.10	0.08	14.97
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.06	17.39	47.36	21.37	47.08	32.28

H. Diversity Factor

All India Demand Diversity Factor	1.009
-----------------------------------	-------

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 : 7-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	67	447	0.0	6.7	-6.7
2		SASARAM-FATEHPUR	S/C	236	90	1.0	0.0	1.0
3		GAYA-BALIA	S/C	0	421	0.0	6.7	-6.7
4		ALIPURDUAR-AGRA	-	0	688	0.0	16.8	-16.8
5	HVDC	PUSAULI B/B	S/C	0	144	0.0	3.6	-3.6
6	400 kV	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	793	0.0	13.8	-13.8
9		PATNA-BALIA	Q/C	0	1009	0.0	17.6	-17.6
10		BIHARSHARIFF-BALIA	D/C	0	292	0.0	6.2	-6.2
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.9	0.0	4.9
12		BIHARSHARIFF-VARANASI	D/C	767	0	0.0	2.5	-2.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	95	0.0	3.1	-3.1
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						6.5	77.0	-70.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1	1	0.0	0.0	0.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	958	0	14.7	0.0	14.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1491	0	22.9	0.0	22.9
21		RANCHI-SIPAT	D/C	438	0	6.4	0.0	6.4
22	220 kV	BUDHIPADAR-RAIGARH	S/C	145	1	1.9	0.0	1.9
23		BUDHIPADAR-KORBA	D/C	198	0	3.6	0.0	3.6
ER-WR						49.5	0.0	49.5
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1507.8	0.0	19.6	-19.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	465.9	0.0	10.0	-10.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1583.1	0.0	21.0	-21.0
27	400 kV	TALCHER-I/C	D/C	1060.2	0.8	0.0	15.3	-15.3
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	50.6	-50.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	583	0.0	8.9	-9
30		ALIPURDUAR-BONGAIGAON	D/C	117	279	0.0	1.8	-2
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	133	0.0	3.4	-3
ER-NER						0.0	14.1	-14.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.9	-16.9
NER-NR						0.0	16.9	-16.9
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	25.3	-25.3
34		V'CHAL B/B	D/C	241	0	5.0	0.0	5.0
35		APL -MHG	D/C	0	1458	0.0	33.1	-33.1
36		GWALIOR-AGRA	D/C	0	1217	0.0	47.1	-47.1
37	765 kV	PHAGI-GWALIOR	D/C	0	1336	0.0	24.7	-24.7
38		JABALPUR-ORAI	D/C	0	611	0.0	23.2	-23.2
39		GWALIOR-ORAI	S/C	402	0	7.7	0.0	7.7
40		SATNA-ORAI	S/C	0	1717	0.0	37.6	-37.6
41		ZERDA-KANKROLI	S/C	172	122	0.8	0.0	0.8
42	400 kV	ZERDA -BHINMAL	S/C	130	137	0.0	0.6	-0.6
43		V'CHAL -RIHAND	S/C	957	0	20.6	0.0	20.6
44		RAPP-SHUJALPUR	D/C	120	267	0	1	-1
45	220 kV	BADOD-KOTA	S/C	39	38	0.0	1.0	-1.0
46		BADOD-MORAK	S/C	6	105	0.0	1.4	-1.4
47		MEHGAON-AURAIYA	S/C	48	16	0.4	0.0	0.3
48	132kV	MALANPUR-AURAIYA	S/C	22	35	0.0	0.3	-0.3
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						34.5	195.4	-160.9
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	708	0.0	8.1	-8.1
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1200	460	8.2	0.0	8.2
53		WARDHA-NIZAMABAD	D/C	0	1755	0.0	23.9	-23.9
54	400 kV	KOLHAPUR-KUDGI	D/C	560	0	7.2	0.0	7.2
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						15.4	32.0	-16.7
TRANSNATIONAL EXCHANGE								
58		BHUTAN						32.4
59		NEPAL						-4.4
60		BANGLADESH						-15.4