



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: 08th 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 07.08.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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

8-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	49556	47635	40786	19649	2689	160315
Peak Shortage (MW)	1853	0	0	425	142	2420
Energy Met (MU)	1151	1127	952	425	53	3708
Hydro Gen (MU)	247	22	111	101	24	505
Wind Gen (MU)	19	148	233	-----	-----	400
Solar Gen (MU)*	13.63	11.71	39.59	0.47	0.02	65
Energy Shortage (MU)	10.7	0.0	0.0	1.3	1.2	13.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52411 22:38	50345 10:07	41600 10:27	20470 20:31	2691 20:12	162931 19:40

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	0.070	0.09	2.95	18.09	21.13	73.99	4.87

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	9115	0	216.6	127.6	-0.7	135	0.0	
	Haryana	8021	0	164.3	129.2	1.1	204	0.0	
	Rajasthan	11149	0	235.1	68.6	3.9	426	0.0	
	Delhi	5081	0	105.0	89.2	-0.9	129	0.1	
	UP	15763	0	330.9	169.0	0.7	249	0.0	
	Uttarakhand	1740	80	33.7	20.3	1.5	490	2.6	
	HP	853	0	26.8	-4.0	4.7	593	0.0	
	J&K	1974	493	33.4	10.2	-2.3	443	8.0	
	Chandigarh	236	0	4.8	5.3	-0.4	12	0.0	
	WR	Chhattisgarh	3925	0	88.7	24.0	-4.3	912	0.0
Gujarat		15410	0	349.2	60.9	2.8	608	0.0	
MP		8504	0	187.4	83.5	1.5	636	0.0	
Maharashtra		20757	0	456.1	110.1	1.8	519	0.0	
Goa		444	0	10.0	9.0	0.4	49	0.0	
DD		342	0	7.7	6.6	1.0	83	0.0	
DNH		770	0	17.5	16.2	1.3	98	0.0	
Essar steel		519	0	10.8	11.0	-0.2	234	0.0	
SR		Andhra Pradesh	7835	0	178.4	12.2	-0.3	536	0.0
		Telangana	9634	0	205.3	103.9	0.1	537	0.0
	Karnataka	9065	0	183.9	45.2	-0.5	466	0.0	
	Kerala	3190	0	63.7	26.7	-0.3	141	0.0	
	Tamil Nadu	14275	0	313.3	88.3	-1.6	422	0.0	
	Pondy	340	0	7.6	7.8	-0.2	41	0.0	
ER	Bihar	4596	0	85.3	84.8	0.3	240	0.0	
	DVC	2933	0	67.0	-24.0	3.0	220	1.3	
	Jharkhand	1062	0	22.6	18.2	-0.6	140	0.0	
	Odisha	4803	0	97.5	51.4	0.9	200	0.0	
	West Bengal	7758	0	152.1	50.5	2.1	390	0.0	
	Sikkim	77	0	0.9	1.3	-0.4	21	0.0	
NER	Arunachal Pradesh	112	3	2.1	2.4	-0.3	37	0.0	
	Assam	1733	88	34.7	29.4	1.7	141	1.1	
	Manipur	156	2	2.2	2.4	-0.2	20	0.0	
	Meghalaya	301	1	5.7	1.0	-0.3	19	0.0	
	Mizoram	81	2	1.6	1.1	0.1	25	0.0	
	Nagaland	115	1	2.2	1.6	0.2	34	0.0	
	Tripura	266	1	4.6	5.9	0.2	74	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	30.1	-5.5	-15.4
Day peak (MW)	1540.6	-316.7	-679.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	262.0	-235.0	29.5	-57.9	1.3	-0.1
Actual(MU)	263.1	-234.2	21.4	-54.0	-0.2	-3.8
O/D/U/D(MU)	1.2	0.8	-8.0	3.9	-1.5	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	7613	16375	9622	1320	179	35109
State Sector	9420	15238	9760	7255	50	41722
Total	17032	31613	19382	8575	229	76831

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	565	1126	471	397	8	2567
Hydro	247	22	111	101	24	506
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	18	44	23	0	26	111
RES (Wind, Solar, Biomass & Others)	45	160	313	1	0	519
Total	903	1379	943	499	58	3782

Share of RES in total generation (%)	4.99	11.60	33.23	0.14	0.06	13.73
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.41	15.18	47.55	20.46	42.03	29.18

H. Diversity Factor

All India Demand Diversity Factor	1.028
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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 : 8-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	468	0.0	6.7	-6.7	
2		SASARAM-FATEHPUR	S/C	192	118	0.8	0.0	0.8	
3		GAYA-BALIA	S/C	0	347	0.0	6.3	-6.3	
4		ALIPURDUAR-AGRA	-	0	727	0.0	16.8	-16.8	
5	400 kV	PUSAULI B/B	S/C	0	200	0.0	4.7	-4.7	
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	748	0.0	13.9	-13.9	
9		PATNA-BALIA	Q/C	0	957	0.0	19.4	-19.4	
10		BIHARSHARIFF-BALIA	D/C	0	278	0.0	5.5	-5.5	
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.2	0.0	5.2	
12		BIHARSHARIFF-VARANASI	D/C	700	0	0.0	2.1	-2.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	130	0.0	3.1	-3.1
14			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	132 kV	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	78.4	-71.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1	5	0.0	0.0	0.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	746	0	12.5	0.0	12.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1069	0	19.6	0.0	19.6	
21		RANCHI-SIPAT	D/C	382	0	6.6	0.0	6.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	162	20	1.9	0.0	1.9	
23		BUDHIPADAR-KORBA	D/C	186	0	3.7	0.0	3.7	
ER-WR						44.3	0.0	44.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1013.8	0.0	14.1	-14.1	
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	1485.0	0.0	27.4	-27.4	
27	400 kV	TALCHER-I/C	D/C	928.7	0.6	1.1	15.5	-14.4	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	51.5	-51.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	546	0.0	9.6	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	45	283	0.0	2.3	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	137	0.0	3.5	-4	
ER-NER						0.0	15.4	-15.4	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	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	0	0.0	40.8	-40.8	
34		V'CHAL B/B	D/C	0	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	0	0.0	34.3	-34.3	
36		GWALIOR-AGRA	D/C	0	0	0.0	47.5	-47.5	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	27.2	-27.2	
38		JABALPUR-ORAI	D/C	0	0	0.0	22.0	-22.0	
39		GWALIOR-ORAI	S/C	0	0	8.6	0.0	8.6	
40		SATNA-ORAI	S/C	0	0	0.0	37.6	-37.6	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.0	0.5	-0.5
42			ZERDA -BHINMAL	S/C	0	0	0.0	2.6	-2.6
43	V'CHAL -RIHAND		S/C	0	0	22.1	0.0	22.1	
44	RAPP-SHUJALPUR		D/C	0	0	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	0	0	0.2	0.5	-0.3	
46		BADOD-MORAK	S/C	0	0	0.0	1.0	-1.0	
47		MEHGAON-AURAIYA	S/C	0	0	0.5	0.0	0.5	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.1	0.2	-0.1	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						37.4	216.0	-178.6	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	16.1	-16.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	12.5	0.0	12.5	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	16.7	-16.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	9.6	0.0	9.6	
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						22.1	32.9	-10.8	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						30.1	
59		NEPAL						-5.5	
60		BANGLADESH						-15.4	