



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: 02nd 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 01.08.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01st 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

2-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	53562	45647	41600	19322	2655	162786
Peak Shortage (MW)	933	0	0	0	97	1030
Energy Met (MU)	1187	1062	976	413	50	3689
Hydro Gen (MU)	354	20	99	77	28	578
Wind Gen (MU)	48	154	214	-----	-----	416
Solar Gen (MU)*	16.44	16.25	46.81	0.32	0.01	80
Energy Shortage (MU)	8.6	0.0	0.2	0.0	0.9	9.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56759 22:33	47276 19:43	44927 07:07	20280 20:08	2659 19:01	168059 19:54

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	2.64	2.64	85.31	12.05

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	11154	0	252.8	145.3	-0.8	125	0.0	
	Haryana	9054	0	186.0	140.4	3.4	487	0.0	
	Rajasthan	10437	0	217.6	64.7	1.4	427	0.0	
	Delhi	5742	0	112.6	96.8	-1.3	132	0.0	
	UP	15916	0	309.3	157.8	1.4	435	0.0	
	Uttarakhand	1788	0	39.0	20.8	-0.4	155	0.0	
	HP	1347	0	28.3	-1.6	2.4	211	0.0	
	J&K	1947	487	35.8	17.9	-7.7	141	8.5	
	Chandigarh	309	0	6.1	6.4	-0.3	19	0.0	
	WR	Chhattisgarh	3666	0	87.8	22.4	-4.5	80	0.0
Gujarat		14509	0	323.7	73.9	3.1	768	0.0	
MP		7974	0	169.9	69.2	-1.2	374	0.0	
Maharashtra		19582	0	435.7	126.4	1.1	443	0.0	
Goa		444	0	11.3	10.8	-0.1	115	0.0	
DD		324	0	7.4	6.5	1.0	89	0.0	
DNH		725	0	16.9	16.3	0.5	78	0.0	
Essar steel		467	0	8.8	9.0	-0.2	283	0.0	
SR		Andhra Pradesh	8661	0	184.9	19.3	1.3	541	0.0
		Telangana	10149	0	209.5	119.2	-0.5	406	0.0
	Karnataka	9274	0	190.2	56.9	1.6	587	0.0	
	Kerala	3272	0	64.0	22.6	0.7	201	0.0	
	Tamil Nadu	14882	0	320.2	95.7	-1.6	470	0.0	
	Pondy	344	0	7.4	7.5	-0.2	59	0.2	
	ER	Bihar	4464	0	82.0	82.1	-0.2	50	0.0
		DVC	2815	0	68.3	-40.5	0.0	150	0.0
		Jharkhand	980	0	21.8	19.5	0.1	50	0.0
		Odisha	4747	0	91.7	47.3	3.1	250	0.0
West Bengal		7536	0	148.5	49.5	0.7	200	0.0	
Sikkim		90	0	1.1	1.1	0.0	20	0.0	
NER	Arunachal Pradesh	118	0	2.3	3.2	-0.8	0	0.0	
	Assam	1740	63	32.5	26.8	1.4	147	0.7	
	Manipur	158	3	2.4	2.5	-0.1	26	0.0	
	Meghalaya	325	0	5.3	1.7	-0.3	23	0.0	
	Mizoram	95	2	1.6	1.2	-0.1	14	0.0	
	Nagaland	119	7	2.3	2.1	-0.1	9	0.0	
	Tripura	233	3	4.0	6.1	-0.8	59	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.0	-5.4	-14.6
Day peak (MW)	1550.1	-380.3	-646.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	242.2	-245.5	52.0	-46.2	-2.2	0.3
Actual(MU)	235.5	-245.5	55.4	-42.0	-6.1	-2.6
O/D/U/D(MU)	-6.6	0.0	3.4	4.3	-3.9	-2.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4822	15438	9972	1860	179	32271
State Sector	11900	16785	8610	5445	50	42790
Total	16722	32223	18582	7305	229	75061

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	501	1068	467	393	8	2436
Hydro	354	20	99	77	28	578
Nuclear	28	27	49	0	0	104
Gas, Naptha & Diesel	17	41	21	0	24	103
RES (Wind, Solar, Biomass & Others)	79	171	309	0	0	560
Total	979	1326	945	471	60	3781

Share of RES in total generation (%)	8.10	12.87	32.73	0.09	0.04	14.80
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	47.05	16.43	48.41	16.51	46.62	32.84

H. Diversity Factor

All India Demand Diversity Factor	1.023
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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 : 2-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	365	0.0	7.5	-7.5		
2		SASARAM-FATEHPUR	S/C	258	55	2.3	0.0	2.3		
3		GAYA-BALIA	S/C	0	339	0.0	5.3	-5.3		
4		ALIPURDUAR-AGRA	-	0	397	0.0	9.9	-9.9		
5	HVDC	PUSAULI B/B	S/C	0	147	0.0	3.7	-3.7		
6		PUSAULI-VARANASI	S/C	0	136	0.0	0.0	0.0		
7		PUSAULI-ALLAHABAD	S/C	0	79	0.0	0.0	0.0		
8		MUZAFFARPUR-GORAKHPUR	D/C	0	668	0.0	12.0	-12.0		
9		400 kV	PATNA-BALIA	Q/C	0	938	0.0	19.8	-19.8	
10			BIHARSHARIFF-BALIA	D/C	0	272	0.0	4.5	-4.5	
11			MOTIHARI-GORAKHPUR	D/C	240	0	4.1	0.0	4.1	
12			BIHARSHARIFF-VARANASI	D/C	607	0	0.0	2.0	-2.0	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	134	0.0	2.7	-2.7	
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	7.0	67.3	-60.4	
Import/Export of ER (With WR)										
18		765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1311	6	20.9	0.0	20.9	
19			NEW RANCHI-DHARAMJAIGARH	D/C	709	52	8.2	0.0	8.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	948	0	16.2	0.0	16.2		
21		RANCHI-SIPAT	D/C	372	0	4.6	0.0	4.6		
22	220 kV	BUDHIPADAR-RAIGARH	S/C	83	22	0.6	0.0	0.6		
23		BUDHIPADAR-KORBA	D/C	167	0	2.1	0.0	2.1		
						ER-WR	52.5	0.0	52.5	
Import/Export of ER (With SR)										
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1347.8	0.0	18.2	-18.2		
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	478.2	0.0	9.8	-9.8		
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2170.6	0.0	38.7	-38.7	
27	400 kV	TALCHER-I/C	D/C	653.6	0.0	2.2	5.7	-3.5		
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0		
						ER-SR	0.0	66.8	-66.8	
Import/Export of ER (With NER)										
29	400 kV	BINAGURI-BONGAIGAON	D/C	62	325	0.0	2.5	-2		
30		ALIPURDUAR-BONGAIGAON	D/C	265	169	2.2	0.0	2		
31	220 kV	ALIPURDUAR-SALAKATI	D/C	2	96	0.0	1.0	-1		
						ER-NER	2.2	3.5	-1.3	
Import/Export of NER (With NR)										
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	600	0.0	9.4	-9.4		
						NER-NR	0.0	9.4	-9.4	
Import/Export of WR (With NR)										
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	39.9	-39.9		
34		V'CHAL B/B	D/C	0	0	6.1	0.0	6.1		
35		APL -MHG	D/C	0	0	0.0	25.3	-25.3		
36		765 kV	GWALIOR-AGRA	D/C	0	0	0.0	49.6	-49.6	
37			PHAGI-GWALIOR	D/C	0	0	0.0	25.7	-25.7	
38			JABALPUR-ORAI	D/C	0	0	0.0	23.4	-23.4	
39			GWALIOR-ORAI	S/C	0	0	8.0	0.0	8.0	
40		SATNA-ORAI	S/C	0	0	0.0	39.8	-39.8		
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.3	0.0	0.3	
42			ZERDA -BHINMAL	S/C	0	0	0.0	0.1	-0.1	
43	V'CHAL -RIHAND		S/C	0	0	21.7	0.0	21.7		
44	RAPP-SHUJALPUR		D/C	0	0	0	2	-2		
45	220 kV	BADOD-KOTA	S/C	0	0	0.1	1.0	-1.0		
46		BADOD-MORAK	S/C	0	0	0.0	1.8	-1.8		
47		MEHGAON-AURAIYA	S/C	0	0	0.1	0.2	-0.1		
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.7	-0.7		
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0		
						WR-NR	36.2	208.9	-172.8	
Import/Export of WR (With SR)										
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	15.6	-15.6		
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0		
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	6.0	0.0	6.0		
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	26.4	-26.4		
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	10.4	0.0	10.4		
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	16.4	42.0	-25.6	
TRANSNATIONAL EXCHANGE										
58		BHUTAN						32.0		
59		NEPAL						-5.4		
60		BANGLADESH						-14.6		