



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: 15th 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 14.08.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14th 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

15-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	55977	48223	38322	21102	2708	166332
Peak Shortage (MW)	993	0	0	160	103	1256
Energy Met (MU)	1264	1131	849	457	53	3755
Hydro Gen (MU)	228	34	161	107	23	553
Wind Gen (MU)	19	112	211	-----	-----	343
Solar Gen (MU)*	17.45	13.34	38.04	0.62	0.02	69
Energy Shortage (MU)	10.4	0.0	0.0	0.5	0.8	11.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57762 23:45	50526 11:49	38354 07:34	21980 19:57	2751 18:59	168279 19:58

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	0.043	0.00	0.57	11.50	12.07	80.83	7.09

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	10669	0	243.8	139.7	-1.0	65	0.0	
	Haryana	9120	0	193.0	148.9	-0.1	148	0.0	
	Rajasthan	10946	0	242.2	85.7	8.4	685	0.0	
	Delhi	5777	0	117.3	101.0	-1.4	190	0.0	
	UP	17328	0	360.2	190.0	0.2	316	0.0	
	Uttarakhand	1926	0	38.2	21.2	1.0	141	1.6	
	HP	1310	0	26.5	-2.1	3.0	568	0.0	
	J&K	2018	505	37.3	24.7	-3.2	194	8.9	
	Chandigarh	294	0	5.6	6.0	-0.4	39	0.0	
	WR	Chhattisgarh	3728	0	86.4	14.7	-0.8	110	0.0
Gujarat		16463	0	365.2	73.1	5.1	572	0.0	
MP		8454	0	188.3	80.6	-0.3	573	0.0	
Maharashtra		20296	0	446.2	120.5	4.4	849	0.0	
Goa		423	0	9.4	8.8	0.0	155	0.0	
DD		343	0	7.5	6.5	1.0	72	0.0	
DNH		783	0	18.4	16.9	1.5	105	0.0	
Essar steel		481	0	9.8	8.8	1.0	323	0.0	
SR		Andhra Pradesh	7152	0	158.4	11.5	0.4	697	0.0
		Telangana	8461	0	179.8	75.1	-0.3	414	0.0
	Karnataka	8315	0	164.5	23.4	-1.9	762	0.0	
	Kerala	2715	0	56.6	20.8	-1.4	219	0.0	
	Tamil Nadu	13243	0	282.5	80.5	-2.6	717	0.0	
	Pondy	351	0	7.5	7.5	0.0	73	0.0	
ER	Bihar	4824	0	95.3	90.3	2.8	401	0.0	
	DVC	2781	0	65.0	-28.6	4.0	385	0.5	
	Jharkhand	1065	0	24.1	18.4	-0.2	165	0.0	
	Odisha	4995	0	95.6	45.2	0.4	400	0.0	
	West Bengal	8766	0	176.1	68.9	3.0	435	0.0	
	Sikkim	87	0	1.2	1.2	0.0	20	0.0	
NER	Arunachal Pradesh	122	2	2.2	2.3	-0.1	0	0.0	
	Assam	1760	59	34.6	27.8	2.0	185	0.5	
	Manipur	163	3	2.3	2.4	-0.1	21	0.0	
	Meghalaya	299	0	5.4	1.1	0.0	25	0.0	
	Mizoram	75	2	1.4	1.0	0.1	11	0.0	
	Nagaland	121	1	2.3	1.7	0.3	26	0.0	
	Tripura	242	8	4.7	4.3	0.8	49	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.0	-5.4	-15.3
Day peak (MW)	1563.6	-297.0	-674.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	307.7	-273.2	6.8	-43.9	2.2	-0.4
Actual(MU)	302.0	-262.0	-17.2	-25.9	3.3	0.1
O/D/U/D(MU)	-5.7	11.2	-24.0	18.0	1.1	0.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3980	15586	10722	1970	394	32652
State Sector	8695	15503	12250	7495	50	43993
Total	12675	31089	22972	9465	444	76645

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	582	1174	385	403	5	2549
Hydro	302	35	161	107	23	627
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	16	49	24	0	26	115
RES (Wind, Solar, Biomass & Others)	51	126	280	1	0	457
Total	979	1411	875	510	53	3827

Share of RES in total generation (%)	5.20	8.92	31.96	0.12	0.08	11.94
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.86	13.32	53.18	21.03	42.33	30.39

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 : 15-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	429	0.0	7.6	-7.6	
2		SASARAM-FATEHPUR	S/C	288	0	3.7	0.0	3.7	
3		GAYA-BALIA	S/C	0	405	0.0	7.0	-7.0	
4		ALIPURDUAR-AGRA	-	0	721	0.0	16.6	-16.6	
5	HVDC	PUSAULI B/B	S/C	0	200	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	145	0.0	0.0	0.0	
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	87	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	770	0.0	13.1	-13.1	
9		PATNA-BALIA	Q/C	0	1058	0.0	20.6	-20.6	
10		BIHARSHARIFF-BALIA	D/C	0	242	0.0	4.9	-4.9	
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.5	0.0	5.5	
12		BIHARSHARIFF-VARANASI	D/C	25	0	0.0	0.9	-0.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	162	0.0	3.5	-3.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.6	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						9.8	77.8	-68.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1096	0	15.0	0.0	15.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1086	0	19.7	0.0	19.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1129	0	20.5	0.0	20.5	
21		RANCHI-SIPAT	D/C	544	0	9.6	0.0	9.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	82	30	0.7	0.0	0.7	
23		BUDHIPADAR-KORBA	D/C	146	0	2.5	0.0	2.5	
ER-WR						68.0	0.0	68.0	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	100.0	937.9	0.0	8.0	-8.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	420.9	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	698.6	0.0	14.8	-14.8	
27	400 kV	TALCHER-1/C	D/C	1157.9	0.5	0.0	19.9	-19.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	32.7	-32.7	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	623	0.0	11.1	-11	
30		ALIPURDUAR-BONGAIGAON	D/C	14	354	0.0	3.8	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	124	0.0	3.7	-4	
ER-NER						0.0	18.6	-18.6	
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	32.6	-32.6	
34		V'CHAL B/B	D/C	0	0	2.0	2.3	-0.3	
35		APL -MHG	D/C	0	0	0.0	48.4	-48.4	
36		GWALIOR-AGRA	D/C	0	0	0.0	56.6	-56.6	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	34.2	-34.2	
38		JABALPUR-ORAI	D/C	0	0	0.0	29.3	-29.3	
39		GWALIOR-ORAI	S/C	0	0	9.8	0.0	9.8	
40		SATNA-ORAI	S/C	0	0	0.0	41.8	-41.8	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.0	1.4	-1.4
42			ZERDA -BHINMAL	S/C	0	0	0.0	3.1	-3.1
43	V'CHAL -RIHAND		S/C	0	0	22.6	0.0	22.6	
44	RAPP-SHUJALPUR		D/C	0	0	0	4	-4	
45	220 kV	BADOD-KOTA	S/C	0	0	0.1	1.0	-0.9	
46		BADOD-MORAK	S/C	0	0	0.0	1.3	-1.3	
47		MEHGAON-AURAIYA	S/C	0	0	0.3	0.1	0.2	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.5	-0.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						34.7	256.4	-221.7	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	1.6	4.7	-3.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	21.1	0.0	21.1	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	7.9	-7.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	15.7	0.0	15.7	
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						38.5	12.6	25.9	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						32.0	
59		NEPAL						-5.4	
60		BANGLADESH						-15.3	