



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: 16thAug 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, 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 15.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-अगस्त-2019 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 15th August 2019, 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

16-Aug-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	47619	34473	37141	20243	2487	141963
Peak Shortage (MW)	467	0	0	0	297	764
Energy Met (MU)	1142	830	876	425	49	3323
Hydro Gen (MU)	350	99	125	124	24	722
Wind Gen (MU)	15	94	148	-----	-----	257
Solar Gen (MU)*	16.45	9.2	67.90	2.19	0.02	96
Energy Shortage (MU)	9.8	0.0	0.0	0.0	1.8	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56092 00:11	39401 06:28	37797 19:26	20861 20:45	2364 20:42	152655 00:03

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	0.134	0.68	1.34	2.09	4.12	47.04	48.84

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	9735	0	220.4	143.8	-0.5	169	0.0
	Haryana	8709	0	170.6	139.5	0.5	328	0.0
	Rajasthan	8373	0	171.0	49.4	-4.3	208	0.0
	Delhi	5331	0	98.7	82.8	-0.9	123	0.2
	UP	18805	0	379.2	187.2	1.5	562	0.0
	Uttarakhand	1747	0	33.8	13.4	0.1	144	0.0
	HP	1181	0	22.8	-5.7	-4.3	9	0.0
	J&K	1905	476	40.3	19.1	1.9	335	9.6
WR	Chandigarh	253	0	5.2	6.0	-0.8	-11	0.0
	Chhattisgarh	3416	0	80.3	20.5	0.9	380	0.0
	Gujarat	11628	0	231.5	57.1	2.1	607	0.0
	MP	6440	0	140.7	30.8	-8.6	405	0.0
	Maharashtra	16630	0	344.5	95.4	1.7	530	0.0
	Goa	541	0	10.5	9.3	0.6	33	0.0
	DD	310	0	4.8	4.5	0.3	45	0.0
	DNH	776	0	14.9	14.9	0.0	80	0.0
SR	Essar steel	213	0	2.8	2.4	0.4	276	0.0
	Andhra Pradesh	8082	0	184.7	18.6	1.6	499	0.0
	Telangana	8670	0	190.6	61.1	2.0	495	0.0
	Karnataka	7823	0	149.9	36.0	-2.8	493	0.0
	Kerala	3034	0	58.1	42.9	1.0	256	0.0
	Tamil Nadu	12663	0	286.0	133.2	3.1	492	0.0
	Pondy	360	0	7.3	7.6	-0.4	28	0.0
	ER	Bihar	5170	0	104.7	102.0	-1.4	0
DVC		2825	0	61.0	-25.4	1.5	300	0.0
Jharkhand		1173	0	24.5	15.5	-0.3	50	0.0
Odisha		4554	0	96.6	36.8	4.2	480	0.0
West Bengal		7407	0	138.2	60.3	2.9	500	0.0
NER	Sikkim	62	0	0.5	1.2	-0.7	0	0.0
	Arunachal Pradesh	110	7	2.2	2.8	-0.6	44	0.0
	Assam	1521	68	30.3	25.1	0.6	252	1.7
	Manipur	155	8	2.5	2.2	0.3	25	0.0
	Meghalaya	316	11	5.6	1.7	-0.3	70	0.0
	Mizoram	88	7	1.6	0.8	0.6	14	0.0
	Nagaland	127	8	2.3	2.2	-0.2	55	0.0
	Tripura	293	18	4.7	3.9	-0.1	54	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.3	-4.7	-20.4
Day peak (MW)	2066.8	-300.5	-955.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	250.4	-252.6	28.0	-26.4	0.9	0.2
Actual(MU)	236.3	-275.6	51.9	-16.4	-0.7	-4.5
O/D/U/D(MU)	-14.2	-23.0	24.0	10.0	-1.5	-4.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4703	16918	9112	1605	953	33290
State Sector	9940	20747	11630	7490	50	49856
Total	14643	37664	20742	9095	1002	83146

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	466	838	341	327	5	1978
Lignite	16	7	36	0	0	59
Hydro	350	99	125	124	24	722
Nuclear	27	29	27	0	0	83
Gas, Naptha & Diesel	27	35	16	0	25	103
RES (Wind, Solar, Biomass & Others)	45	108	252	2	0	407
Total	931	1117	795	454	54	3351

Share of RES in total generation (%)	4.87	9.69	31.64	0.49	0.04	12.16
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	45.36	21.16	50.67	27.86	44.21	36.17

H. Diversity Factor

All India Demand Diversity Factor	1.025
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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 :	16-Aug-19
								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	252	121	1.7	0.0	1.7	
2		SASARAM-FATEHPUR	S/C	365	0	5.4	0.0	5.4	
3		GAYA-BALIA	S/C	0	395	0.0	5.6	-5.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	1351	0.0	31.0	-31.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	233	0.0	4.9	-4.9	
7		PUSAULI -ALLAHABAD	S/C	25	31	0.1	0.0	0.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	108	586	0.0	6.6	-6.6	
9		PATNA-BALIA	Q/C	0	611	0.0	8.2	-8.2	
10		BIHARSHARIFF-BALIA	D/C	22	254	0.0	2.6	-2.6	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	303	0	4.2	0.0	4.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	162	0.0	3.2	-3.2	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	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	11.9	67.0	-55.1
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1775	0	33.7	0.0	33.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1373	0	23.2	0.0	23.2	
20		JHARSUGUDA-DURG	D/C	386	0	7.4	0.0	7.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	556	0	9.4	0.0	9.4	
22		RANCHI-SIPAT	D/C	506	0	8.7	0.0	8.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	19	59	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	161	0	2.9	0.0	2.9	
						ER-WR	85.4	0.3	85.1
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1828.0	0.0	22.9	-22.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	310.0	230.0	0.0	1.2	-1.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	35.6	-35.6	
28	400 kV	TALCHER-I/C	D/C	0.0	1210.0	0.0	13.8	-13.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	59.7	-59.7
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	589	0.0	9.0	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	104	162	0.0	0.4	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	116	0.0	1.7	-2	
						ER-NER	0.0	11.2	-11.2
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	14.4	-14.4	
						NER-NR	0.0	14.4	-14.4
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2002	0.0	30.4	-30.4	
35		V'CHAL B/B	D/C	452	0	7.7	0.0	7.7	
36		APL -MHG	D/C	0	1357	0.0	20.4	-20.4	
37	765 kV	GWALIOR-AGRA	D/C	0	2755	0.0	47.8	-47.8	
38		PHAGI-GWALIOR	D/C	0	983	0.0	16.5	-16.5	
39		JABALPUR-ORAI	D/C	0	1011	0.0	33.9	-33.9	
40		GWALIOR-ORAI	S/C	250	0	4.1	0.0	4.1	
41		SATNA-ORAI	S/C	0	1399	0.0	26.3	-26.3	
42		CHITTORGARH-BANASKANTHA	D/C	0	1229	0.0	15.3	15.3	
43		ZERDA-KANKROLI	S/C	34	194	0.0	1.9	-1.9	
44	400 kV	ZERDA -BHINMAL	S/C	102	256	0.1	3.1	-3.0	
45		V'CHAL -RIHAND	S/C	971	0	18.3	0.0	18.3	
46	220 kV	RAPP-SHUJALPUR	D/C	0	425	0	4	-4	
47		BHANPURA-RANPUR	S/C	2	45	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	202	0.0	2.6	-2.6	
49		MEHGAON-AURAIYA	S/C	45	29	0.2	0.2	0.0	
50	132kV	MALANPUR-AURAIYA	S/C	15	59	0.0	0.7	-0.7	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	30.4	203.3	-142.3
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	806	0.0	10.7	-10.7	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	753	989	4.7	3.8	0.9	
55		WARDHA-NIZAMABAD	D/C	14	1819	0.0	20.2	-20.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	862	0	15.0	0.0	15.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	60	0.0	1.0	-1.0	
59		XELDEM-AMBEWADI	S/C	0	34	0.6	0.0	0.6	
						WR-SR	20.3	35.6	-15.3
TRANSNATIONAL EXCHANGE									
60		BHUTAN						41.3	
61		NEPAL						-4.7	
62		BANGLADESH						-20.4	