



**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: 10<sup>th</sup> 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 09.08.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09<sup>th</sup> 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

10-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	53300	46102	41257	21244	2749	164652
Peak Shortage (MW)	1803	256	20	480	132	2691
Energy Met (MU)	1218	1082	934	456	53	3742
Hydro Gen (MU)	277	21	129	108	26	562
Wind Gen (MU)	7	76	221	-----	-----	304
Solar Gen (MU)*	13.55	11.63	48.41	0.74	0.02	74
Energy Shortage (MU)	10.8	0.3	0.1	1.4	1.1	13.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56237 22:27	48593 11:36	41471 19:22	21862 20:47	2716 19:03	167340 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	0.056	0.46	1.41	10.68	12.56	78.91	8.53

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	9936	0	226.2	130.4	-0.4	116	0.0	
	Haryana	8674	0	176.0	128.1	1.0	196	0.0	
	Rajasthan	10085	0	210.5	68.8	3.0	468	0.3	
	Delhi	5822	0	116.9	100.2	-0.7	221	0.0	
	UP	17291	0	374.4	185.5	1.3	373	0.0	
	Uttarakhand	1797	155	38.8	19.5	0.2	119	0.3	
	HP	1276	0	26.9	-5.8	4.3	550	0.0	
	J&K	2235	559	42.5	15.9	1.2	259	10.2	
	Chandigarh	282	0	5.5	6.0	-0.4	16	0.0	
	WR	Chhattisgarh	3721	0	84.4	14.3	-1.2	515	0.3
Gujarat		15465	0	341.4	104.6	2.3	723	0.0	
MP		8048	0	174.9	71.6	-2.4	298	0.0	
Maharashtra		19726	0	434.2	114.6	-1.5	416	0.0	
Goa		444	0	9.5	9.1	-0.2	74	0.0	
DD		337	0	7.6	6.6	1.0	75	0.0	
DNH		790	0	18.3	17.0	1.3	141	0.0	
Essar steel		551	0	11.5	12.0	-0.5	249	0.0	
SR		Andhra Pradesh	8002	0	174.8	12.0	-0.1	516	0.0
		Telangana	9492	0	200.2	96.3	-1.1	408	0.0
	Karnataka	8862	0	185.0	37.6	0.1	401	0.0	
	Kerala	3232	0	62.2	24.7	0.6	230	0.0	
	Tamil Nadu	14318	0	305.3	82.6	-2.4	496	0.0	
	Pondy	340	20	6.5	6.6	-0.1	51	0.1	
	ER	Bihar	4626	0	88.5	89.6	-1.2	80	0.0
		DVC	2882	0	67.1	-24.5	2.5	260	0.8
		Jharkhand	1093	0	23.0	18.4	-1.2	70	0.0
		Odisha	5345	0	109.5	58.2	3.3	430	0.6
West Bengal		8519	0	166.9	57.6	3.7	620	0.0	
Sikkim		89	0	1.3	1.1	0.2	20	0.0	
NER	Arunachal Pradesh	118	4	2.2	2.9	-0.7	12	0.0	
	Assam	1736	112	33.1	27.6	1.6	199	1.0	
	Manipur	181	0	2.4	2.5	-0.2	25	0.0	
	Meghalaya	298	0	5.7	0.8	-0.1	22	0.0	
	Mizoram	86	2	1.5	1.0	0.1	25	0.0	
	Nagaland	119	3	2.5	2.1	0.1	47	0.0	
	Tripura	274	1	5.2	5.3	0.1	42	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.9	-6.3	-15.4
Day peak (MW)	1510.6	-456.0	-677.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	271.6	-233.1	13.9	-50.3	-1.9	0.2
Actual(MU)	273.3	-233.1	6.0	-37.8	-3.2	5.2
O/D/U/D(MU)	1.8	0.0	-7.9	12.5	-1.3	5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5950	16358	10222	1520	113	34163
State Sector	8005	13476	9970	6725	50	38225
Total	13954	29834	20192	8245	163	72388

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	604	1167	461	407	9	2647
Hydro	277	22	129	108	26	562
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	25	41	22	0	25	113
RES (Wind, Solar, Biomass & Others)	36	88	325	1	0	449
Total	969	1344	961	516	60	3849

Share of RES in total generation (%)	3.67	6.52	33.80	0.16	0.06	11.66
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.07	10.16	49.74	21.17	43.29	28.30

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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 : 10-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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	0	467	0.0	8.8	-8.8	
2		SASARAM-FATEHPUR	S/C	197	106	0.9	0.0	0.9	
3		GAYA-BALIA	S/C	0	434	0.0	7.5	-7.5	
4		ALIPURDUAR-AGRA	-	0	680	0.0	15.6	-15.6	
5	400 kV	PUSAULI B/B	S/C	0	200	0.0	3.5	-3.5	
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	875	0.0	18.3	-18.3	
9		PATNA-BALIA	Q/C	0	1019	0.0	20.4	-20.4	
10		BIHARSHARIFF-BALIA	D/C	0	300	0.0	6.5	-6.5	
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.6	0.0	5.6	
12		BIHARSHARIFF-VARANASI	D/C	730	0	0.0	2.4	-2.4	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	130	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	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	
<b>ER-NR</b>						<b>7.1</b>	<b>86.1</b>	<b>-79.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	795	0	13.0	0.0	13.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	992	0	16.7	0.0	16.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1104	0	20.8	0.0	20.8	
21		RANCHI-SIPAT	D/C	474	0	7.6	0.0	7.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	209	0	3.2	0.0	3.2	
23		BUDHIPADAR-KORBA	D/C	389	0	4.2	0.0	4.2	
<b>ER-WR</b>						<b>65.5</b>	<b>0.0</b>	<b>65.5</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1294.8	0.0	16.4	-16.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.1	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	993.1	0.0	21.5	-21.5	
27	400 kV	TALCHER-I/C	D/C	993.1	0.8	0.0	12.7	-12.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>47.8</b>	<b>-47.8</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	615	0.0	8.3	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	223	245	0.0	0.2	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	123	0.0	1.9	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>10.4</b>	<b>-10.4</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.8	-16.8	
<b>NER-NR</b>						<b>0.0</b>	<b>16.8</b>	<b>-16.8</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1806	0.0	38.5	-38.5	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1637	0.0	24.8	-24.8	
36		GWALIOR-AGRA	D/C	0	1427	0.0	50.1	-50.1	
37	765 kV	PHAGI-GWALIOR	D/C	0	1689	0.0	31.4	-31.4	
38		JABALPUR-ORAI	D/C	0	782	0.0	28.5	-28.5	
39		GWALIOR-ORAI	S/C	460	0	9.6	0.0	9.6	
40		SATNA-ORAI	S/C	0	1783	0.0	39.1	-39.1	
41		400 kV	ZERDA-KANKROLI	S/C	205	120	0.8	0.0	0.8
42			ZERDA -BHINMAL	S/C	128	134	0.0	0.8	-0.8
43	V'CHAL -RIHAND		S/C	969	0	22.4	0.0	22.4	
44	RAPP-SHUJALPUR		D/C	0	421	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	24	43	0.0	1.0	-0.9	
46		BADOD-MORAK	S/C	11	69	0.1	0.5	-0.4	
47		MEHGAON-AURAIYA	S/C	80	0	0.9	0.0	0.9	
48	132kV	MALANPUR-AURAIYA	S/C	52	15	0.3	0.0	0.3	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>40.2</b>	<b>217.5</b>	<b>-177.4</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	490	113	7.1	0.4	6.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1596	436	12.6	0.0	12.6	
53		WARDHA-NIZAMABAD	D/C	0	1751	0.0	21.6	-21.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	784	0	10.3	0.0	10.3	
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	
<b>WR-SR</b>						<b>30.0</b>	<b>22.0</b>	<b>8.0</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>32.9</b>	
59		NEPAL						<b>-6.3</b>	
60		BANGLADESH						<b>-15.4</b>	