



**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: 09<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 08.08.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08<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

9-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	50514	46753	38440	21019	2691	159418
Peak Shortage (MW)	1863	0	33	600	159	2655
Energy Met (MU)	1167	1107	899	432	49	3654
Hydro Gen (MU)	257	24	126	106	25	537
Wind Gen (MU)	7	85	202	-----	-----	294
Solar Gen (MU)*	17.09	8.2	37.68	0.59	0.02	64
Energy Shortage (MU)	13.5	0.1	0.0	1.8	1.2	16.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52678 23:12	49634 11:09	39868 07:32	21324 19:13	2691 19:18	161951 19:48

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	0.050	0.00	2.27	9.77	12.04	84.17	3.80

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	9991	0	217.0	129.2	-0.7	117	0.0
	Haryana	7890	0	166.9	128.3	0.2	187	0.0
	Rajasthan	10263	0	228.1	74.2	1.0	493	0.0
	Delhi	5355	0	109.9	92.7	0.0	351	0.2
	UP	16169	0	336.6	173.8	2.6	591	1.4
	Uttarakhand	1733	5	36.4	18.1	0.8	264	2.1
	HP	1353	0	26.4	-6.3	5.9	707	0.3
	J&K	2248	562	40.1	14.8	-0.2	539	9.6
WR	Chandigarh	264	0	5.2	5.2	-0.1	13	0.0
	Chhattisgarh	3524	0	79.8	16.2	-2.6	214	0.0
	Gujarat	15824	0	355.2	91.7	6.5	1770	0.0
	MP	7699	0	171.3	76.6	-1.2	724	0.0
	Maharashtra	20590	0	452.7	124.0	2.6	660	0.1
	Goa	444	0	9.5	9.2	-0.3	41	0.0
	DD	347	0	7.7	6.8	0.9	99	0.0
	DNH	779	0	18.2	16.7	1.5	117	0.0
SR	Essar steel	593	0	12.4	12.2	0.2	311	0.0
	Andhra Pradesh	8127	0	173.8	14.1	0.1	459	0.0
	Telangana	9535	0	201.3	101.9	1.2	404	0.0
	Karnataka	8889	0	183.5	41.3	-0.4	471	0.0
	Kerala	3284	0	63.2	23.3	0.3	228	0.0
	Tamil Nadu	12168	0	270.3	67.9	-1.0	456	0.0
	Pondy	314	0	6.4	6.7	-0.3	24	0.0
	ER	Bihar	4580	0	84.6	85.8	-1.4	50
DVC		2924	0	66.3	-23.5	2.3	340	1.2
Jharkhand		1035	0	22.6	18.0	-1.0	10	0.0
Odisha		5200	0	98.9	52.5	1.4	380	0.6
West Bengal		8227	0	159.0	55.8	4.5	520	0.0
Sikkim		85	0	0.8	1.2	-0.4	10	0.0
NER	Arunachal Pradesh	114	2	2.1	2.6	-0.6	12	0.0
	Assam	1701	94	30.8	26.7	0.3	199	1.0
	Manipur	170	1	2.3	2.5	-0.2	25	0.0
	Meghalaya	301	1	5.7	0.8	-0.1	22	0.0
	Mizoram	79	2	1.7	1.0	0.3	25	0.0
	Nagaland	116	1	2.2	2.0	-0.2	47	0.0
	Tripura	273	1	4.6	5.9	0.1	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.2	-6.1	-15.3
Day peak (MW)	1510.5	-443.1	-678.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	269.7	-243.6	30.7	-53.9	-2.3	0.7
Actual(MU)	268.3	-246.2	26.1	-47.3	-5.5	-4.6
O/D/U/D(MU)	-1.4	-2.6	-4.6	6.6	-3.2	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6811	15309	10222	1320	179	33841
State Sector	8760	13511	9760	7475	50	39555
Total	15570	28820	19982	8795	229	73396

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	575	1166	443	394	9	2587
Hydro	257	24	126	106	25	537
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	21	50	23	0	26	120
RES (Wind, Solar, Biomass & Others)	39	93	280	1	0	413
Total	920	1361	896	500	59	3736

Share of RES in total generation (%)	4.20	6.87	31.24	0.14	0.06	11.05
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.16	10.61	47.96	21.27	41.70	27.53

H. Diversity Factor

All India Demand Diversity Factor	1.026
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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 : 9-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	454	0.0	6.8	-6.8
2		SASARAM-FATEHPUR	S/C	242	120	0.5	0.0	0.5
3		GAYA-BALIA	S/C	0	411	0.0	6.1	-6.1
4		ALIPURDUAR-AGRA	-	0	686	0.0	16.5	-16.5
5	HVDC	PUSAULI B/B	S/C	0	200	0.0	3.7	-3.7
6	400 kV	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	762	0.0	18.2	-18.2
9		PATNA-BALIA	Q/C	0	931	0.0	21.6	-21.6
10		BIHARSHARIFF-BALIA	D/C	0	272	0.0	5.8	-5.8
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.0	0.0	5.0
12		BIHARSHARIFF-VARANASI	D/C	740	0	0.0	2.4	-2.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	130	0.0	3.1	-3.1
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>6.1</b>	<b>84.2</b>	<b>-78.1</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1086	1	7.6	0.0	7.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	900	0	13.6	0.0	13.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1244	0	22.0	0.0	22.0
21		RANCHI-SIPAT	D/C	470	3	7.0	0.0	7.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	177	0	2.4	0.0	2.4
23		BUDHIPADAR-KORBA	D/C	373	0	3.9	0.0	3.9
<b>ER-WR</b>						<b>56.5</b>	<b>0.0</b>	<b>56.5</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1213.8	0.0	16.1	-16.1
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	415.4	0.0	9.9	-9.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1973.1	0.0	24.3	-24.3
27	400 kV	TALCHER-I/C	D/C	748.7	0.9	0.0	11.2	-11.2
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>50.3</b>	<b>-50.3</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	481	0.0	7.0	-7
30		ALIPURDUAR-BONGAIGAON	D/C	197	174	0.0	0.2	0
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	120	0.0	1.8	-2
<b>ER-NER</b>						<b>0.0</b>	<b>9.1</b>	<b>-9.1</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	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	0	0.0	37.9	-37.9
34		V'CHAL B/B	D/C	0	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	0	0.0	33.2	-33.2
36		GWALIOR-AGRA	D/C	0	0	0.0	49.5	-49.5
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	30.9	-30.9
38		JABALPUR-ORAI	D/C	0	0	0.0	24.7	-24.7
39		GWALIOR-ORAI	S/C	0	0	9.3	0.0	9.3
40		SATNA-ORAI	S/C	0	0	0.0	37.7	-37.7
41		ZERDA-KANKROLI	S/C	0	0	0.6	0.0	0.6
42	400 kV	ZERDA -BHINMAL	S/C	0	0	0.0	1.5	-1.5
43		V'CHAL -RIHAND	S/C	0	0	22.4	0.0	22.4
44		RAPP-SHUJALPUR	D/C	0	0	0	3	-3
45	220 kV	BADOD-KOTA	S/C	0	0	0.3	0.3	0.0
46		BADOD-MORAK	S/C	0	0	0.0	0.8	-0.7
47		MEHGAON-AURAIYA	S/C	0	0	0.7	0.0	0.7
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.2	0.1	0.1
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>39.6</b>	<b>219.5</b>	<b>-179.9</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	0	2.8	7.3	-4.6
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	12.1	0.0	12.1
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	20.5	-20.5
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	12.0	0.0	12.0
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>26.8</b>	<b>27.9</b>	<b>-1.0</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>33.2</b>
59		NEPAL						<b>-6.1</b>
60		BANGLADESH						<b>-15.3</b>