



**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: 06<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 05.08.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05<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

6-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	52269	45258	38685	19838	2646	158696
Peak Shortage (MW)	637	0	0	0	135	772
Energy Met (MU)	1232	1093	922	425	50	3723
Hydro Gen (MU)	333	13	97	108	28	580
Wind Gen (MU)	41	169	211	-----	-----	421
Solar Gen (MU)*	14.88	13.77	46.78	0.54	0.02	76
Energy Shortage (MU)	10.1	0.0	0.0	0.0	1.2	11.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56378 00:12	48674 11:35	39621 22:17	20263 20:06	2611 18:54	162558 20:15

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	0.034	0.00	0.02	7.85	7.87	79.75	12.38

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	11438	0	263.2	141.8	-1.3	106	0.0	
	Haryana	9272	0	191.9	147.0	0.8	219	0.0	
	Rajasthan	10944	0	234.4	62.3	1.2	354	0.1	
	Delhi	5555	0	109.6	87.1	0.2	184	0.1	
	UP	15643	0	328.5	185.4	-0.6	219	0.0	
	Uttarakhand	1451	0	32.0	15.1	-1.0	72	0.0	
	HP	1258	0	26.0	-3.1	1.5	186	0.0	
	J&K	2067	517	41.7	19.2	-3.1	169	9.9	
	Chandigarh	237	0	5.1	6.0	-0.9	0	0.0	
	WR	Chhattisgarh	4136	0	98.4	29.5	-2.5	267	0.0
Gujarat		14438	0	332.3	45.2	2.4	932	0.0	
MP		8354	0	185.4	82.1	-0.3	347	0.0	
Maharashtra		19279	0	430.1	108.4	3.4	607	0.0	
Goa		444	0	11.6	8.5	2.5	50	0.0	
DD		299	0	6.9	6.2	0.7	70	0.0	
DNH		744	0	17.5	16.3	1.1	94	0.0	
Essar steel		535	0	10.8	9.9	0.9	334	0.0	
SR		Andhra Pradesh	8064	0	180.2	16.2	1.1	580	0.0
		Telangana	9371	0	203.5	96.6	0.9	396	0.0
	Karnataka	8207	0	175.6	47.2	-0.3	536	0.0	
	Kerala	3126	0	61.2	23.1	-0.5	151	0.0	
	Tamil Nadu	12947	0	294.8	83.9	-1.5	339	0.0	
	Pondy	340	0	7.1	7.3	-0.2	50	0.0	
ER	Bihar	4592	0	83.5	84.0	-0.7	200	0.0	
	DVC	2938	0	66.7	-32.6	4.4	220	0.0	
	Jharkhand	1119	0	22.6	19.6	0.9	85	0.0	
	Odisha	4898	0	102.9	56.5	1.6	225	0.0	
	West Bengal	7421	0	148.1	45.4	4.8	250	0.0	
	Sikkim	77	0	1.0	1.4	-0.4	15	0.0	
NER	Arunachal Pradesh	115	3	2.2	2.9	-0.7	0	0.0	
	Assam	1710	89	32.3	25.8	1.8	113	1.1	
	Manipur	165	3	2.2	2.6	-0.4	14	0.0	
	Meghalaya	302	0	5.7	0.8	-0.3	12	0.0	
	Mizoram	81	2	1.5	1.0	0.1	12	0.0	
	Nagaland	121	3	2.2	1.9	0.0	21	0.0	
	Tripura	265	1	4.3	5.5	0.2	56	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.4	-5.3	-15.3
Day peak (MW)	1542.5	-270.6	-671.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	262.2	-231.9	40.1	-65.9	-5.3	-0.8
Actual(MU)	254.4	-223.9	35.3	-60.1	-6.6	-0.9
O/D/U/D(MU)	-7.7	8.0	-4.7	5.7	-1.3	0.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4310	16840	9972	1320	429	32871
State Sector	9965	13416	9770	6445	50	39646
Total	14275	30256	19742	7765	479	72516

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	553	1070	452	390	7	2473
Hydro	333	14	97	108	28	580
Nuclear	28	27	24	0	0	79
Gas, Naptha & Diesel	20	41	24	0	25	110
RES (Wind, Solar, Biomass & Others)	70	183	299	1	0	552
Total	1003	1335	896	499	61	3794

Share of RES in total generation (%)	6.96	13.69	33.31	0.14	0.06	14.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.87	16.76	46.88	21.79	46.42	31.91

H. Diversity Factor

All India Demand Diversity Factor	1.031
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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 : 6-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	484	0.0	7.9	-7.9	
2		SASARAM-FATEHPUR	S/C	152	137	0.3	0.0	0.3	
3		GAYA-BALIA	S/C	0	355	0.0	5.7	-5.7	
4		ALIPURDUAR-AGRA	-	0	692	0.0	17.6	-17.6	
5	HVDC	PUSAULI B/B	S/C	0	144	0.0	3.6	-3.6	
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	849	0.0	15.4	-15.4	
9		PATNA-BALIA	Q/C	0	1051	0.0	19.5	-19.5	
10		BIHARSHARIFF-BALIA	D/C	0	298	0.0	6.5	-6.5	
11		MOTIHARI-GORAKHPUR	D/C	119	0	3.9	0.0	3.9	
12		BIHARSHARIFF-VARANASI	D/C	843	0	0.0	3.4	-3.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	95	0.0	2.8	-2.8	
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>4.8</b>	<b>82.4</b>	<b>-77.6</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1206	2	15.7	0.0	15.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	813	0	12.5	0.0	12.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1397	0	19.5	0.0	19.5	
21		RANCHI-SIPAT	D/C	381	0	7.7	0.0	7.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	138	0	2.2	0.0	2.2	
23		BUDHIPADAR-KORBA	D/C	187	0	3.7	0.0	3.7	
						<b>ER-WR</b>	<b>61.3</b>	<b>0.0</b>	<b>61.3</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1160.8	0.0	17.6	-17.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	465.9	0.0	11.1	-11.1	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1582.0	0.0	30.5	-30.5	
27	400 kV	TALCHER-1/C	D/C	915.6	0.8	0.5	10.2	-9.6	
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>59.3</b>	<b>-59.3</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	518	0.0	6.9	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	211	214	0.5	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	125	0.0	1.6	-2	
						<b>ER-NER</b>	<b>0.5</b>	<b>8.6</b>	<b>-8.1</b>
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.0	-16.0	
						<b>NER-NR</b>	<b>0.0</b>	<b>16.0</b>	<b>-16.0</b>
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	23.7	-23.7	
34		V'CHAL B/B	D/C	0	0	2.7	0.3	2.4	
35		APL -MHG	D/C	0	0	0.0	29.1	-29.1	
36		GWALIOR-AGRA	D/C	0	0	0.0	48.7	-48.7	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	24.5	-24.5	
38		JABALPUR-ORAI	D/C	0	0	0.0	23.3	-23.3	
39		GWALIOR-ORAI	S/C	0	0	7.6	0.0	7.6	
40		SATNA-ORAI	S/C	0	0	0.0	36.9	-36.9	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.0	0.5	-0.5
42			ZERDA -BHINMAL	S/C	0	0	0.0	1.5	-1.5
43	V'CHAL -RIHAND		S/C	0	0	21.3	0.0	21.3	
44	RAPP-SHUJALPUR		D/C	0	0	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	0	0	0.0	1.0	-1.0	
46		BADOD-MORAK	S/C	0	0	0.0	1.4	-1.4	
47		MEHGAON-AURAIYA	S/C	0	0	0.4	0.0	0.3	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.3	-0.3	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>32.0</b>	<b>192.2</b>	<b>-160.2</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	12.3	-12.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	7.8	0.0	7.8	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	20.4	-20.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	8.9	0.0	8.9	
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>16.7</b>	<b>32.7</b>	<b>-16.0</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>32.4</b>	
59		NEPAL						<b>-5.3</b>	
60		BANGLADESH						<b>-15.3</b>	