



**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: 31<sup>st</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. 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. 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. 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 30.08.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-अगस्त-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 30<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

31-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	55239	45412	41878	20918	2757	166204
Peak Shortage (MW)	896	0	730	800	117	2543
Energy Met (MU)	1219	1017	953	451	52	3692
Hydro Gen (MU)	352	28	190	117	24	711
Wind Gen (MU)	39	92	144	-----	-----	275
Solar Gen (MU)*	19.19	12.17	58.60	0.55	0.02	91
Energy Shortage (MU)	10.1	0.0	2.2	2.4	1.0	15.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56607 20:54	45412 19:45	42248 18:59	21215 20:39	2755 18:47	166515 19:33

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	0.044	0.00	0.95	10.36	11.31	80.08	8.61

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	11062	0	254.0	141.7	-0.5	97	0.0	
	Haryana	8729	0	176.9	143.1	1.4	242	0.0	
	Rajasthan	10090	0	218.2	52.9	1.1	501	0.0	
	Delhi	5530	0	111.0	88.1	-0.3	176	0.0	
	UP	16748	0	342.9	180.7	0.3	182	0.0	
	Uttarakhand	1846	80	39.0	16.3	0.7	174	0.2	
	HP	1390	0	29.8	-0.7	2.7	195	0.0	
	J&K	2064	516	41.7	20.9	-3.9	50	9.9	
	Chandigarh	295	0	5.9	6.5	-0.6	7	0.0	
	WR	Chhattisgarh	3597	0	79.8	25.4	-1.4	227	0.0
Gujarat		13765	0	307.4	68.2	2.3	360	0.0	
MP		7692	0	165.5	77.4	1.4	234	0.0	
Maharashtra		18917	0	418.0	131.2	-0.7	312	0.0	
Goa		403	0	8.6	8.9	-0.9	59	0.0	
DD		347	0	7.7	6.9	0.8	52	0.0	
DNH		804	0	18.9	17.2	1.7	98	0.0	
Essar steel		539	0	11.1	11.0	0.1	251	0.0	
SR		Andhra Pradesh	8412	0	183.8	20.8	2.1	490	0.0
		Telangana	9840	0	210.4	71.5	1.4	450	0.0
	Karnataka	8599	0	180.1	37.6	-1.5	362	0.0	
	Kerala	3215	0	63.8	31.0	0.8	305	0.0	
	Tamil Nadu	14189	671	308.1	94.9	3.4	957	2.0	
	Pondy	333	30	6.4	6.5	-0.1	55	0.2	
ER	Bihar	4735	0	92.5	93.5	-1.3	356	0.0	
	DVC	2809	0	65.0	-26.4	8.1	550	2.4	
	Jharkhand	1109	0	22.8	17.9	-1.4	185	0.0	
	Odisha	4808	0	95.1	30.3	1.2	412	0.0	
	West Bengal	8509	0	175.4	64.3	1.9	456	0.0	
	Sikkim	103	0	0.8	1.3	-0.4	20	0.0	
NER	Arunachal Pradesh	133	0	2.2	2.4	-0.2	6	0.0	
	Assam	1760	102	33.8	28.6	1.3	209	0.9	
	Manipur	181	0	2.2	2.3	-0.1	34	0.0	
	Meghalaya	302	0	5.2	0.0	-0.2	8	0.0	
	Mizoram	78	0	1.5	0.8	0.3	4	0.0	
	Nagaland	106	2	2.3	1.6	0.2	24	0.0	
	Tripura	266	3	4.7	3.8	0.5	61	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	30.7	-5.2	-15.1
Day peak (MW)	1561.5	-311.0	-658.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	260.3	-258.8	26.3	-34.8	5.8	-1.2
Actual(MU)	254.7	-263.3	27.9	-26.9	6.5	-1.0
O/D/U/D(MU)	-5.6	-4.5	1.6	7.9	0.7	0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4991	13905	12362	1470	551	33280
State Sector	9195	17596	10853	6905	50	44599
Total	14186	31501	23215	8375	601	77878

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	532	1030	450	381	9	2402
Hydro	352	28	190	117	24	711
Nuclear	27	25	24	0	0	76
Gas, Naptha & Diesel	22	37	22	0	16	97
RES (Wind, Solar, Biomass & Others)	72	104	245	1	0	423
Total	1005	1224	932	499	49	3709

Share of RES in total generation (%)	7.17	8.53	26.34	0.11	0.09	11.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.91	12.84	49.29	23.57	49.54	32.61

H. Diversity Factor

All India Demand Diversity Factor	1.010
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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 : 31-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	50	291	0.0	3.3	-3.3	
2		SASARAM-FATEHPUR	S/C	295	0	4.2	0.0	4.2	
3		GAYA-BALIA	S/C	0	299	0.0	5.3	-5.3	
4		ALIPURDUAR-AGRA	-	0	1713	0.0	15.0	-15.0	
5	400 kV	PUSAULI B/B	S/C	0	149	0.0	3.5	-3.5	
6		PUSAULI-VARANASI	S/C	0	158	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	60	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	578	0.0	8.9	-8.9	
9		PATNA-BALIA	Q/C	0	814	0.0	11.4	-11.4	
10		BIHARSHARIFF-BALIA	D/C	0	227	0.0	3.8	-3.8	
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.5	0.0	4.5	
12		BIHARSHARIFF-VARANASI	D/C	191	72	0.0	1.0	-1.0	
13		220 kV	PUSAULI-SAHUPURI	S/C	2	137	0.0	2.7	-2.7
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>9.3</b>	<b>54.9</b>	<b>-45.6</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1294	3	20.0	0.0	20.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	937	0	18.4	0.0	18.4	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1137	0	19.3	0.0	19.3	
21		RANCHI-SIPAT	D/C	464	0	8.5	0.0	8.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	2.2	0.0	2.2	
23		BUDHIPADAR-KORBA	D/C	258	0	2.1	0.0	2.1	
<b>ER-WR</b>						<b>70.5</b>	<b>0.0</b>	<b>70.5</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1265.8	0.0	14.9	-14.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	463.2	0.0	11.0	-11.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1486.0	0.0	30.3	-30.3	
27	400 kV	TALCHER-1/C	D/C	1161.4	0.8	0.0	21.0	-21.0	
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>56.2</b>	<b>-56.2</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	615	0.0	9.0	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	196	398	0.0	7.4	-7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	176	0.0	4.4	-4	
<b>ER-NER</b>						<b>0.0</b>	<b>20.8</b>	<b>-20.8</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	0.0	10.6	-10.6	
<b>NER-NR</b>						<b>0.0</b>	<b>10.6</b>	<b>-10.6</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2003	0.0	46.5	-46.5	
34		V'CHAL B/B	D/C	241	2	3.6	0.0	3.6	
35		APL -MHG	D/C	0	1716	0.0	37.4	-37.4	
36		765 kV	GWALIOR-AGRA	D/C	0	1355	0.0	55.1	-55.1
37	PHAGI-GWALIOR		D/C	0	1224	0.0	23.8	-23.8	
38	JABALPUR-ORAI		D/C	0	555	0.0	21.1	-21.1	
39	GWALIOR-ORAI		S/C	386	0	8.1	0.0	8.1	
40	SATNA-ORAI		S/C	0	1960	0.0	43.4	-43.4	
41	400 kV		ZERDA-KANKROLI	S/C	278	38	1.8	0.0	1.8
42			ZERDA -BHINMAL	S/C	172	73	0.7	0.0	0.7
43			V'CHAL -RIHAND	S/C	960	0	21.0	0.0	21.0
44			RAPP-SHUJALPUR	D/C	104	221	0	1	-1
45	220 kV		BADOD-KOTA	S/C	37	28	0.2	0.3	-0.1
46		BADOD-MORAK	S/C	27	59	0.0	0.7	-0.6	
47		MEHGAON-AURAIYA	S/C	40	32	0.1	0.2	-0.1	
48	132kV	MALANPUR-AURAIYA	S/C	12	52	0.0	0.7	-0.7	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>35.5</b>	<b>230.6</b>	<b>-195.1</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	309	0.0	7.2	-7.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1350	798	9.8	0.0	9.8	
53		WARDHA-NIZAMABAD	D/C	3	1663	0.0	16.6	-16.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	896	0	14.0	0.0	14.0	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	1	92	1.6	0.0	1.6	
<b>WR-SR</b>						<b>25.4</b>	<b>23.8</b>	<b>1.6</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>30.7</b>	
59		NEPAL						<b>-5.2</b>	
60		BANGLADESH						<b>-15.1</b>	