



**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: 04<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 03.08.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03<sup>rd</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

4-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	54872	47198	41923	20115	2623	166731
Peak Shortage (MW)	1171	32	25	150	150	1528
Energy Met (MU)	1249	1099	970	417	50	3785
Hydro Gen (MU)	343	24	113	93	31	603
Wind Gen (MU)	52	145	200	-----	-----	396
Solar Gen (MU)*	15.76	14.63	51.47	0.56	0.00	82
Energy Shortage (MU)	10.6	0.5	0.2	0.5	1.0	12.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57118 22:28	49427 10:19	42570 07:27	20616 21:09	2643 19:23	169781 19:46

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	0.035	0.00	0.00	7.93	7.93	81.61	10.46

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	11614	0	268.2	140.2	-0.6	149	0.0	
	Haryana	9111	0	198.7	150.7	1.4	211	0.0	
	Rajasthan	10786	0	234.3	65.5	-0.4	199	0.0	
	Delhi	5637	0	117.2	95.8	-2.5	84	0.0	
	UP	15397	540	315.4	164.4	0.8	267	0.5	
	Uttarakhand	1801	0	37.9	20.7	-1.3	99	0.0	
	HP	1365	0	28.9	-2.3	3.1	270	0.0	
	J&K	2029	507	42.3	19.9	-2.8	174	10.1	
	Chandigarh	338	0	6.4	6.4	0.0	39	0.0	
	WR	Chhattisgarh	4063	0	91.7	30.0	0.1	745	0.5
Gujarat		14934	0	338.0	66.8	3.7	600	0.0	
MP		8288	0	181.0	80.3	-0.7	420	0.0	
Maharashtra		20018	0	442.6	114.1	1.9	444	0.0	
Goa		444	0	11.6	9.9	1.1	122	0.0	
DD		339	0	7.6	6.6	1.0	105	0.0	
DNH		723	0	16.9	16.6	0.3	46	0.0	
Essar steel		508	0	9.9	9.7	0.2	248	0.0	
SR		Andhra Pradesh	8392	0	182.6	15.0	2.1	496	0.0
		Telangana	9712	0	209.4	103.1	1.0	485	0.0
	Karnataka	9320	0	191.1	49.9	1.9	494	0.0	
	Kerala	3358	0	66.7	25.6	0.9	228	0.0	
	Tamil Nadu	13970	0	312.0	91.8	-1.9	498	0.0	
	Pondy	356	25	7.7	7.7	0.1	79	0.2	
ER	Bihar	4335	0	79.2	81.0	-1.9	100	0.0	
	DVC	2941	0	66.6	-33.4	-0.4	200	0.0	
	Jharkhand	1082	150	21.3	19.1	0.0	130	0.5	
	Odisha	5095	0	102.2	54.5	2.4	400	0.0	
	West Bengal	7549	0	147.0	38.6	3.9	480	0.0	
	Sikkim	86	0	1.1	1.2	-0.1	15	0.0	
NER	Arunachal Pradesh	99	9	2.4	3.1	-0.7	1	0.0	
	Assam	1702	87	31.4	26.6	0.5	222	0.9	
	Manipur	152	17	2.4	2.6	-0.2	15	0.0	
	Meghalaya	311	17	5.8	0.9	0.0	64	0.0	
	Mizoram	80	1	1.4	1.4	-0.4	6	0.0	
	Nagaland	109	5	2.3	2.1	-0.1	9	0.0	
	Tripura	250	9	4.2	5.7	-1.0	43	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.9	-4.7	-14.1
Day peak (MW)	1536.1	-399.8	-624.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	262.2	-251.2	46.0	-51.6	-5.5	0.0
Actual(MU)	252.3	-248.2	49.1	-44.4	-10.6	-1.8
O/D/U/D(MU)	-9.9	3.0	3.1	7.2	-5.1	-1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4362	15605	10472	1670	179	32288
State Sector	9765	15523	8820	4775	50	38933
Total	14127	31128	19292	6445	229	71221

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	547	1103	484	394	8	2535
Hydro	343	25	114	93	31	605
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	23	44	24	0	25	115
RES (Wind, Solar, Biomass & Others)	81	160	288	1	0	529
Total	1020	1358	935	488	64	3865

Share of RES in total generation (%)	7.92	11.74	30.85	0.16	0.06	13.70
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.20	15.57	45.67	19.26	48.19	31.41

H. Diversity Factor

All India Demand Diversity Factor	1.015
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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 : 4-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	515	0.0	8.5	-8.5
2		SASARAM-FATEHPUR	S/C	0	199	1.9	0.0	1.9
3		GAYA-BALIA	S/C	0	391	0.0	6.4	-6.4
4		ALIPURDUAR-AGRA	-	0	396	0.0	9.8	-9.8
5	HVDC	PUSAULI B/B	S/C	0	146	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	119	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	778	0.0	14.7	-14.7
9		PATNA-BALIA	Q/C	0	933	0.0	17.6	-17.6
10		BIHARSHARIFF-BALIA	D/C	0	302	0.0	6.9	-6.9
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.5	0.0	4.5
12		BIHARSHARIFF-VARANASI	D/C	756	0	0.0	3.6	-3.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	121	0.0	2.3	-2.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3
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>6.7</b>	<b>73.3</b>	<b>-66.6</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1090	2	21.1	0.0	21.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	614	0	8.5	0.0	8.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1012	0	16.1	0.0	16.1
21		RANCHI-SIPAT	D/C	329	0	5.6	0.0	5.6
22	220 kV	BUDHIPADAR-RAIGARH	S/C	168	0	2.4	0.0	2.4
23		BUDHIPADAR-KORBA	D/C	181	0	3.1	0.0	3.1
<b>ER-WR</b>						<b>56.8</b>	<b>0.0</b>	<b>56.8</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1035.9	0.0	16.0	-16.0
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	534.1	0.0	10.4	-10.4
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.1	0.0	39.8	-39.8
27	400 kV	TALCHER-I/C	D/C	593.4	0.8	1.7	7.2	-5.5
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>66.1</b>	<b>-66.1</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	72	292	0.0	2.4	-2
30		ALIPURDUAR-BONGAIGAON	D/C	257	137	1.7	0.0	2
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	105	0.0	2.6	-3
<b>ER-NER</b>						<b>1.7</b>	<b>5.0</b>	<b>-3.3</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	601	0.0	14.7	-14.7
<b>NER-NR</b>						<b>0.0</b>	<b>14.7</b>	<b>-14.7</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2002	0.0	29.6	-29.6
34		V'CHAL B/B	D/C	245	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	2102	0.0	22.8	-22.8
36		GWALIOR-AGRA	D/C	0	1430	0.0	53.3	-53.3
37	765 kV	PHAGI-GWALIOR	D/C	0	1381	0.0	27.5	-27.5
38		JABALPUR-ORAI	D/C	0	714	0.0	25.8	-25.8
39		GWALIOR-ORAI	S/C	434	0	8.9	0.0	8.9
40		SATNA-ORAI	S/C	0	1861	0.0	41.5	-41.5
41		ZERDA-KANKROLI	S/C	161	141	0.5	0.0	0.5
42	400 kV	ZERDA -BHINMAL	S/C	120	130	0.0	0.1	-0.1
43		V'CHAL -RIHAND	S/C	977	0	22.6	0.0	22.6
44		RAPP-SHUJALPUR	D/C	78	277	0	2	-2
45	220 kV	BADOD-KOTA	S/C	46	32	0.0	1.0	-0.9
46		BADOD-MORAK	S/C	0	105	0.0	1.4	-1.4
47		MEHGAON-AURAIYA	S/C	39	13	0.2	0.1	0.1
48	132kV	MALANPUR-AURAIYA	S/C	16	35	0.0	0.5	-0.4
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>38.3</b>	<b>205.2</b>	<b>-167.0</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	1016	0.0	20.6	-20.6
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1123	353	9.1	0.0	9.1
53		WARDHA-NIZAMABAD	D/C	0	1615	0.0	21.0	-21.0
54	400 kV	KOLHAPUR-KUDGI	D/C	805	0	10.7	0.0	10.7
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>19.9</b>	<b>41.6</b>	<b>-21.8</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>33.9</b>
59		NEPAL						<b>-4.7</b>
60		BANGLADESH						<b>-14.1</b>