



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> Aug 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 05.08.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-अगस्त-2019 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 5<sup>th</sup> August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

6-Aug-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	56997	43153	37690	22096	2930	162866
Peak Shortage (MW)	1393	0	0	104	195	1692
Energy Met (MU)	1318	968	881	483	55	3705
Hydro Gen (MU)	351	22	81	128	27	609
Wind Gen (MU)	31	141	209	-----	-----	381
Solar Gen (MU)*	26.98	13.23	54.92	3.33	0.03	98
Energy Shortage (MU)	11.6	0.0	0.0	0.3	1.4	13.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59870 21:55	44361 09:10	38487 09:39	22998 22:53	3005 18:55	165394 20:51

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	0.032	0.00	0.00	4.10	4.10	73.81	22.09

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	10918	0	245.7	141.7	-1.3	100	0.0
	Haryana	9333	138	198.3	157.0	1.9	299	0.7
	Rajasthan	9347	0	205.5	53.9	-2.1	239	0.0
	Delhi	5992	0	121.6	100.4	2.7	361	0.1
	UP	20612	370	425.3	193.6	0.1	961	0.0
	Uttarakhand	1944	0	42.6	14.8	0.8	152	0.3
	HP	1426	0	29.3	-3.3	0.4	272	0.0
	J&K	2225	556	43.6	20.9	3.2	406	10.5
WR	Chandigarh	301	0	6.1	6.2	-0.1	35	0.0
	Chhattisgarh	4273	0	97.0	29.1	2.8	306	0.0
	Gujarat	12809	0	279.6	43.0	0.0	526	0.0
	MP	8706	0	195.6	107.2	-0.6	446	0.0
	Maharashtra	16424	0	357.5	99.4	-0.2	636	0.0
	Goa	541	0	8.8	8.8	-0.7	33	0.0
	DD	298	0	6.5	6.3	0.2	122	0.0
	DNH	772	0	16.7	16.8	-0.1	72	0.0
SR	Essar steel	372	0	6.0	5.9	0.1	296	0.0
	Andhra Pradesh	7152	0	158.1	-6.3	-0.1	526	0.0
	Telangana	8542	0	166.3	60.8	0.0	432	0.0
	Karnataka	9414	0	170.9	19.1	-3.9	398	0.0
	Kerala	3391	0	68.3	53.3	3.0	381	0.0
	Tamil Nadu	13565	0	309.9	131.0	0.8	684	0.0
	Pondy	363	0	7.6	7.9	-0.3	56	0.0
	Bihar	5509	0	113.1	108.1	1.0	300	0.0
ER	DVC	2854	0	61.4	-34.3	-0.2	150	0.0
	Jharkhand	1103	0	23.9	19.2	0.7	100	0.3
	Odisha	4693	0	99.7	48.3	4.2	350	0.0
	West Bengal	9144	0	184.6	82.1	6.4	500	0.0
	Sikkim	70	0	0.8	1.2	-0.5	5	0.0
NER	Arunachal Pradesh	145	2	2.5	2.6	-0.1	69	0.0
	Assam	1865	121	34.6	29.6	0.0	172	1.0
	Manipur	174	1	2.6	2.4	0.2	18	0.0
	Meghalaya	336	0	5.7	0.5	-0.2	66	0.0
	Mizoram	98	1	1.8	1.2	0.3	14	0.1
	Nagaland	139	2	2.5	2.1	0.0	48	0.0
	Tripura	302	5	4.9	4.9	-0.3	97	0.4

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	40.9	-5.3	-25.6
Day peak (MW)	1773.1	-428.7	-1116.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	278.0	-273.0	3.1	-2.8	-5.2	0.1
Actual(MU)	287.9	-303.1	15.9	4.5	-7.2	-2.0
O/D/U/D(MU)	9.9	-30.1	12.8	7.2	-2.0	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5364	18046	9322	2855	82	35668
State Sector	9495	18661	9990	6500	50	44696
Total	14859	36707	19312	9355	131	80364

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	543	977	384	372	12	2288
Lignite	17	9	50	0	0	76
Hydro	351	22	81	128	27	609
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	32	47	16	0	30	125
RES (Wind, Solar, Biomass & Others)	75	162	303	3	0	543
Total	1045	1248	889	504	68	3754

Share of RES in total generation (%)	7.15	13.00	34.06	0.67	0.04	14.47
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.31	17.27	49.37	26.10	39.29	33.71

H. Diversity Factor

All India Demand Diversity Factor	1.020
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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-19**

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	243	177	0.3	0.0	0.3	
2		SASARAM-FATEHPUR	S/C	226	74	1.8	0.0	1.8	
3		GAYA-BALIA	S/C	0	454	0.0	6.2	-6.2	
4		ALIPURDUAR-AGRA	-	0	1503	0.0	34.7	-34.7	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	214	0.0	4.2	-4.2	
7		PUSAULI -ALLAHABAD	S/C	5	58	0.0	0.5	-0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	100	555	0.0	6.9	-6.9	
9		PATNA-BALIA	Q/C	0	617	0.0	12.4	-12.4	
10		BIHARSHARIFF-BALIA	D/C	0	292	0.0	5.5	-5.5	
11		MOTHARI-GORAKHPUR	D/C	0	275	0.0	4.3	-4.3	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	223	27	2.5	0.0	2.5	
13		PUSAULI-SAHUPURI	S/C	2	168	0.0	1.8	-1.8	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	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>4.9</b>	<b>81.2</b>	<b>-76.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1785	0	37.3	0.0	37.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1379	0	24.9	0.0	24.9	
20		JHARSUGUDA-DURG	D/C	417	0	8.5	0.0	8.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	402	0	5.9	0.0	5.9	
22		RANCHI-SIPAT	D/C	533	0	10.1	0.0	10.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	1	84	0.0	1.1	-1.1	
24		BUDHIPADAR-KORBA	D/C	223	0	4.7	0.0	4.7	
<b>ER-WR</b>						<b>91.5</b>	<b>1.1</b>	<b>90.4</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1374.0	0.0	20.7	-20.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	500.0	0.0	11.9	0.0	11.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	590.0	0.0	9.7	-9.7	
28	400 kV	TALCHER-I/C	D/C	361.0	26.0	4.8	0.0	4.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>11.9</b>	<b>30.4</b>	<b>-18.5</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	647	0.0	9.6	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	349	136	2.9	0.0	3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	109	0.0	1.2	-1	
<b>ER-NER</b>						<b>2.9</b>	<b>10.8</b>	<b>-7.9</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	17.2	-17.2	
<b>NER-NR</b>						<b>0.0</b>	<b>17.2</b>	<b>-17.2</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2708	0.0	55.0	-55.0	
35		V'CHAL B/B	D/C	452	0	9.0	0.0	9.0	
36		APL -MHG	D/C	0	1917	0.0	37.9	-37.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2775	0.0	48.7	-48.7	
38		PHAGI-GWALIOR	D/C	0	973	0.0	17.1	-17.1	
39		JABALPUR-ORAI	D/C	0	1063	0.0	36.7	-36.7	
40		GWALIOR-ORAI	S/C	414	0	7.5	0.0	7.5	
41		SATNA-ORAI	S/C	0	1418	0.0	28.5	-28.5	
42		CHITTORGARH-BANASKANTHA	D/C	0	877	0.0	15.1	15.1	
43	400 kV	ZERDA-KANKROLI	S/C	6	155	0.0	1.3	-1.3	
44		ZERDA -BHINMAL	S/C	117	180	0.6	0.7	-0.1	
45		V'CHAL -RIHAND	S/C	963	0	22.4	0.0	22.4	
46		RAPP-SHUJALPUR	D/C	56	291	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	30	47	0.1	0.4	-0.3	
48		BHANPURA-MORAK	S/C	0	107	0.0	1.3	-1.3	
49		MEHGAON-AURAIYA	S/C	98	0	1.2	0.0	1.2	
50		MALANPUR-AURAIYA	S/C	48	23	0.3	0.1	0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>41.0</b>	<b>243.7</b>	<b>-172.5</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	189	211	0.0	1.1	-1.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1302	518	0.0	8.8	-8.8	
55		WARDHA-NIZAMABAD	D/C	22	1248	0.0	14.1	-14.1	
56	400 kV	KOLHAPUR-KUDGI	D/C	803	0	12.0	0.0	12.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	53	0.0	0.4	-0.4	
59		XELDEM-AMBEWADI	S/C	1	30	0.2	0.0	0.2	
<b>WR-SR</b>						<b>12.3</b>	<b>24.5</b>	<b>-12.2</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>40.9</b>	
61		NEPAL						<b>-5.3</b>	
62		BANGLADESH						<b>-25.6</b>	