



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: 05<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., डोंगतेह, 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 04.08.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 4<sup>th</sup> August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

5-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)	54081	40483	35781	21763	2732	154840
Peak Shortage (MW)	483	0	0	150	164	797
Energy Met (MU)	1227	910	829	468	53	3486
Hydro Gen (MU)	345	22	50	119	28	564
Wind Gen (MU)	10	140	188	-----	-----	338
Solar Gen (MU)*	25.02	12.64	50.81	2.01	0.04	91
Energy Shortage (MU)	13.5	0.0	0.0	0.5	1.0	15.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58119 22:19	41603 19:48	35897 09:14	22395 19:57	2816 19:38	158317 21:23

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	0.19	8.03	8.22	67.59	24.19

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	9891	0	218.9	141.0	-1.0	94	0.0
	Haryana	8470	0	178.2	146.1	-0.5	162	0.0
	Rajasthan	8757	0	191.9	61.0	-1.2	433	0.0
	Delhi	5526	0	108.0	91.8	1.0	187	0.0
	UP	20572	0	417.1	191.9	0.7	800	2.7
	Uttarakhand	1737	0	38.8	12.9	1.3	176	0.0
	HP	1231	0	26.5	-4.6	-1.1	3	0.0
	J&K	2021	505	42.5	19.2	3.8	472	10.9
WR	Chandigarh	263	0	5.1	5.5	-0.4	14	0.0
	Chhattisgarh	3902	0	90.2	27.0	-0.6	246	0.0
	Gujarat	11775	0	263.5	36.9	2.4	662	0.0
	MP	8472	0	188.2	102.6	1.0	621	0.0
	Maharashtra	15194	0	330.8	81.5	-2.1	535	0.0
	Goa	541	0	8.2	8.8	-0.7	32	0.0
	DD	290	0	6.5	6.2	0.3	49	0.0
	DNH	747	0	16.3	16.7	-0.4	43	0.0
SR	Essar steel	352	0	6.4	6.8	-0.5	257	0.0
	Andhra Pradesh	6955	0	152.6	4.1	0.6	447	0.0
	Telangana	7104	0	150.3	61.3	1.0	587	0.0
	Karnataka	8266	0	157.5	22.6	-4.5	552	0.0
	Kerala	3332	0	65.5	53.7	2.4	361	0.0
	Tamil Nadu	12952	0	295.3	131.2	-0.2	622	0.0
	Pondy	362	0	7.6	7.8	-0.2	27	0.0
	Bihar	5420	0	111.0	109.3	-1.3	100	0.0
ER	DVC	2925	0	62.2	-33.1	-0.2	200	0.0
	Jharkhand	1232	0	23.8	18.9	-0.8	50	0.0
	Odisha	4669	0	97.2	57.4	3.2	500	0.5
	West Bengal	8633	0	173.0	73.4	3.9	300	0.0
	Sikkim	64	0	0.6	1.0	-0.5	2	0.0
NER	Arunachal Pradesh	136	2	2.3	2.3	0.0	71	0.0
	Assam	1743	114	33.3	27.3	1.2	243	1.0
	Manipur	170	2	2.5	2.3	0.2	20	0.0
	Meghalaya	309	0	5.7	1.0	-0.3	71	0.0
	Mizoram	89	1	1.8	1.1	0.3	22	0.0
	Nagaland	138	2	2.4	2.1	-0.1	33	0.0
	Tripura	298	3	4.9	4.9	-0.1	70	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	39.9	-5.9	-26.2
Day peak (MW)	1791.6	-373.5	-1123.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	272.0	-281.1	11.4	4.9	-7.2	0.0
Actual(MU)	265.3	-295.0	14.4	22.5	-7.0	0.2
O/D/U/D(MU)	-6.7	-13.9	2.9	17.5	0.2	0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5566	18253	9922	3125	82	36947
State Sector	9880	19953	10580	6920	50	47383
Total	15446	38206	20502	10045	131	84330

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	507	957	375	344	10	2192
Lignite	15	11	49	0	0	75
Hydro	345	22	50	119	28	564
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	29	33	16	0	29	106
RES (Wind, Solar, Biomass & Others)	50	160	278	2	0	490
Total	973	1213	822	465	66	3540

Share of RES in total generation (%)	5.16	13.16	33.79	0.44	0.06	13.83
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.35	17.56	46.55	26.08	42.37	32.96

H. Diversity Factor

All India Demand Diversity Factor	1.016
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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 : 5-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	273	178	1.4	0.0	1.4	
2		SASARAM-FATEHPUR	S/C	263	0	4.0	0.0	4.0	
3	HVDC	GAYA-BALIA	S/C	0	397	0.0	5.8	-5.8	
4		ALIPURDUAR-AGRA	-	0	1502	0.0	36.3	-36.3	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	210	0.0	4.3	-4.3	
7		PUSAULI -ALLAHABAD	S/C	0	59	0.0	0.5	-0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	450	0.0	6.2	-6.2	
9		PATNA-BALIA	Q/C	0	607	0.0	10.6	-10.6	
10		BIHARSHARIFF-BALIA	D/C	0	288	0.0	4.8	-4.8	
11		MOTIHARI-GORAKHPUR	D/C	0	203	0.0	3.1	-3.1	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	250	0	3.4	0.0	3.4	
13		PUSAULI-SAHUPURI	S/C	0	180	0.0	3.5	-3.5	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
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>9.1</b>	<b>80.0</b>	<b>-70.9</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2121	0	43.1	0.0	43.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1543	0	27.2	0.0	27.2	
20		JHARSUGUDA-DURG	D/C	504	0	9.3	0.0	9.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	574	0	8.9	0.0	8.9	
22		RANCHI-SIPAT	D/C	546	0	10.1	0.0	10.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	21	57	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	278	0	5.6	0.0	5.6	
<b>ER-WR</b>						<b>104.1</b>	<b>0.3</b>	<b>103.8</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1472.0	0.0	19.2	-19.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	508.0	0.0	10.6	0.0	10.6	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	690.0	0.0	11.0	-11.0	
28	400 kV	TALCHER-I/C	D/C	437.0	207.0	3.6	0.0	3.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>10.6</b>	<b>30.2</b>	<b>-19.6</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	614	0.0	9.8	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	279	94	3.0	0.0	3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	93	0.0	1.2	-1	
<b>ER-NER</b>						<b>3.0</b>	<b>11.0</b>	<b>-8.0</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	17.0	-17.0	
<b>NER-NR</b>						<b>0.0</b>	<b>17.0</b>	<b>-17.0</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2504	0.0	47.0	-47.0	
35		V'CHAL B/B	D/C	452	0	8.7	0.0	8.7	
36	765 kV	APL -MHG	D/C	0	1916	0.0	36.5	-36.5	
37		GWALIOR-AGRA	D/C	0	2619	0.0	44.4	-44.4	
38		PHAGI-GWALIOR	D/C	0	1198	0.0	16.3	-16.3	
39		JABALPUR-ORAI	D/C	0	1059	0.0	35.6	-35.6	
40		GWALIOR-ORAI	S/C	372	0	7.1	0.0	7.1	
41		SATNA-ORAI	S/C	0	1421	0.0	27.5	-27.5	
42		CHITTORGARH-BANASKANTHA	D/C	0	989	0.0	13.9	13.9	
43		ZERDA-KANKROLI	S/C	16	184	0.0	1.7	-1.7	
44		ZERDA -BHINMAL	S/C	0	315	0.0	3.1	-3.1	
45		V'CHAL -RIHAND	S/C	953	0	17.4	0.0	17.4	
46		RAPP-SHUJALPUR	D/C	72	429	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	14	71	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	99	0.0	1.3	-1.3	
49		MEHGAON-AURAIYA	S/C	89	0	1.0	0.0	1.0	
50		MALANPUR-AURAIYA	S/C	54	20	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>34.6</b>	<b>230.9</b>	<b>-168.4</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	211	0.0	4.9	-4.9	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	993	877	4.7	3.7	1.0	
55		WARDHA-NIZAMABAD	D/C	13	1348	0.0	13.2	-13.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	663	0	8.6	0.0	8.6	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	3	43	0.0	0.4	-0.4	
59		XELDEM-AMBEWADI	S/C	1	24	0.2	0.0	0.2	
<b>WR-SR</b>						<b>13.6</b>	<b>22.2</b>	<b>-8.6</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>39.9</b>	
61		NEPAL						<b>-5.9</b>	
62		BANGLADESH						<b>-26.2</b>	