



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: 23<sup>rd</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 22.08.2019.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-अगस्त-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 22<sup>nd</sup> August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

23-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)	54199	45834	38672	22507	2934	164146
Peak Shortage (MW)	1587	0	0	0	192	1779
Energy Met (MU)	1238	1056	886	489	58	3726
Hydro Gen (MU)	352	101	132	121	20	727
Wind Gen (MU)	27	68	144	-----	-----	239
Solar Gen (MU)*	29.71	21.7	68.10	1.54	0.04	121
Energy Shortage (MU)	10.0	0.0	0.0	0.0	2.3	12.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56710 22:35	46815 19:46	38740 07:35	23122 19:09	2942 19:06	166293 19:43

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	0.028	0.00	0.00	3.83	3.83	79.42	16.75

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	10203	0	221.9	135.4	-1.9	45	0.0
	Haryana	8993	0	189.8	159.0	-0.9	127	0.0
	Rajasthan	10050	0	222.0	61.8	-3.7	169	0.0
	Delhi	5509	0	115.7	100.4	-2.0	121	0.0
	UP	18617	0	372.6	177.2	0.8	435	0.0
	Uttarakhand	1854	0	40.7	14.9	-0.5	133	0.0
	HP	1326	0	27.5	-2.8	-1.6	43	0.0
	J&K	2108	527	41.8	18.2	4.2	549	10.0
WR	Chandigarh	290	0	5.7	5.9	-0.2	23	0.0
	Chhattisgarh	4179	0	96.9	40.5	1.0	263	0.0
	Gujarat	13958	0	313.2	38.1	4.9	622	0.0
	MP	8017	0	173.9	74.9	-4.3	356	0.0
	Maharashtra	19322	0	426.7	145.7	-1.3	426	0.0
	Goa	541	0	11.9	11.1	0.2	46	0.0
	DD	329	0	7.3	7.0	0.3	39	0.0
	DNH	807	0	19.0	19.0	0.0	146	0.0
SR	Essar steel	363	0	7.1	7.2	-0.1	316	0.0
	Andhra Pradesh	6931	0	160.9	14.6	0.3	445	0.0
	Telangana	9720	0	204.2	65.4	0.7	462	0.0
	Karnataka	8678	0	168.4	27.6	1.3	498	0.0
	Kerala	3256	0	65.7	44.4	2.0	264	0.0
	Tamil Nadu	13109	0	279.8	112.2	-1.4	486	0.0
	Pondy	377	0	7.4	7.5	-0.2	50	0.0
	ER	Bihar	5667	0	114.5	112.4	-1.6	200
DVC		2971	0	63.4	-31.7	0.4	110	0.0
Jharkhand		1246	0	25.8	17.3	-0.6	120	0.0
Odisha		4646	0	99.8	30.7	2.0	600	0.0
West Bengal		8956	0	184.4	106.5	2.2	320	0.0
NER	Sikkim	77	0	0.8	1.4	-0.5	10	0.0
	Arunachal Pradesh	135	3	2.6	2.2	0.3	46	0.0
	Assam	1858	85	37.2	32.8	-0.2	165	2.0
	Manipur	168	5	2.9	2.4	0.5	34	0.0
	Meghalaya	318	0	5.4	1.3	-0.2	87	0.0
	Mizoram	94	2	1.8	0.5	0.9	62	0.0
	Nagaland	138	1	2.6	2.2	-0.1	53	0.0
	Tripura	280	4	5.3	4.1	0.9	72	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.6	-7.6	-26.4
Day peak (MW)	1830.4	-414.1	-1117.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	248.3	-256.6	-22.8	21.0	9.8	-0.3
Actual(MU)	236.2	-246.0	-28.1	29.6	13.5	5.2
O/D/U/D(MU)	-12.1	10.6	-5.3	8.6	3.7	5.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3859	16541	8602	2975	1067	33044
State Sector	9960	15699	10140	7660	50	43509
Total	13819	32240	18742	10635	1116	76553

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	510	1031	435	358	8	2342
Lignite	19	12	31	0	0	62
Hydro	352	101	132	121	20	727
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	36	43	15	0	23	117
RES (Wind, Solar, Biomass & Others)	74	95	254	2	0	424
Total	1018	1314	922	481	50	3785

Share of RES in total generation (%)	7.26	7.22	27.51	0.33	0.08	11.20
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.55	17.30	47.80	25.56	39.13	33.40

H. Diversity Factor

All India Demand Diversity Factor	1.012
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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 : 23-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	285	58	2.2	0.0	2.2
2		SASARAM-FATEHPUR	S/C	357	0	4.5	0.0	4.5
3		GAYA-BALIA	S/C	0	302	0.0	2.6	-2.6
4		ALIPURDUAR-AGRA	-	0	601	0.0	14.6	-14.6
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7
6	400 kV	PUSAULI-VARANASI	S/C	0	233	0.0	4.6	-4.6
7		PUSAULI -ALLAHABAD	S/C	25	24	0.0	0.1	-0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	107	421	0.0	3.0	-3.0
9		PATNA-BALIA	Q/C	0	517	0.0	9.4	-9.4
10		BIHARSHARIFF-BALIA	D/C	0	188	0.0	2.1	-2.1
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	333	0	5.4	0.0	5.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	181	0.0	3.3	-3.3
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>12.4</b>	<b>44.4</b>	<b>-32.0</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1506	0	29.3	0.0	29.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	1450	0	27.4	0.0	27.4
20		JHARSUGUDA-DURG	D/C	296	0	5.3	0.0	5.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	576	0	10.5	0.0	10.5
22		RANCHI-SIPAT	D/C	508	0	9.4	0.0	9.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	93	0.0	1.3	-1.3
24		BUDHIPADAR-KORBA	D/C	183	0	2.8	0.0	2.8
<b>ER-WR</b>						<b>84.6</b>	<b>1.3</b>	<b>83.4</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1477.0	0.0	19.9	-19.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	206.0	0.0	4.9	0.0	4.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	594.0	0.0	8.8	-8.8
28	400 kV	TALCHER-I/C	D/C	646.0	0.0	12.8	0.0	12.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>4.9</b>	<b>28.8</b>	<b>-23.9</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	614	0.0	11.6	-12
31		ALIPURDUAR-BONGAIGAON	D/C	0	491	0.0	7.8	-8
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	150	0.0	2.7	-3
<b>ER-NER</b>						<b>0.0</b>	<b>22.2</b>	<b>-22.2</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	10.2	-10.2
<b>NER-NR</b>						<b>0.0</b>	<b>10.2</b>	<b>-10.2</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2509	0.0	48.8	-48.8
35		V'CHAL B/B	D/C	362	0	9.7	0.0	9.7
36		APL -MHG	D/C	0	1460	0.0	36.4	-36.4
37	765 kV	GWALIOR-AGRA	D/C	0	2844	0.0	51.7	-51.7
38		PHAGI-GWALIOR	D/C	0	1008	0.0	16.4	-16.4
39		JABALPUR-ORAI	D/C	0	942	0.0	32.4	-32.4
40		GWALIOR-ORAI	S/C	386	0	7.0	0.0	7.0
41		SATNA-ORAI	S/C	0	1426	0.0	31.2	-31.2
42		CHITTORGARH-BANASKANTHA	D/C	0	995	0.0	9.8	9.8
43		ZERDA-KANKROLI	S/C	63	148	0.1	1.3	-1.2
44	400 kV	ZERDA -BHINMAL	S/C	154	199	0.4	1.3	-0.9
45		V'CHAL -RIHAND	S/C	965	0	22.3	0.0	22.3
46		RAPP-SHUJALPUR	D/C	0	430	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	37	63	0.1	0.6	-0.5
48		BHANPURA-MORAK	S/C	0	112	0.0	1.7	-1.7
49		MEHGAON-AURAIYA	S/C	40	29	0.3	0.1	0.2
50		MALANPUR-AURAIYA	S/C	9	62	0.0	0.7	-0.7
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>40.1</b>	<b>234.7</b>	<b>-175.0</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	483	0	9.8	0.0	9.8
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1580	423	16.9	0.7	16.2
55		WARDHA-NIZAMABAD	D/C	719	1774	0.0	18.1	-18.1
56	400 kV	KOLHAPUR-KUDGI	D/C	1154	0	20.4	0.0	20.4
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	64	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7
<b>WR-SR</b>						<b>47.8</b>	<b>19.9</b>	<b>27.9</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>36.6</b>
61		NEPAL						<b>-7.6</b>
62		BANGLADESH						<b>-26.4</b>