



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: 31th Aug 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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. 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
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 30.08.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30th August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

31-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)	59424	45898	41436	22866	2913	172537
Peak Shortage (MW)	2420	0	33	0	155	2608
Energy Met (MU)	1369	1073	1004	484	57	3986
Hydro Gen (MU)	360	97	92	138	17	705
Wind Gen (MU)	5	49	170	-----	-----	225
Solar Gen (MU)*	24.83	18.2	74.06	2.15	0.04	119
Energy Shortage (MU)	17.7	0.0	0.0	0.0	2.1	19.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61076 22:47	47802 09:45	45369 07:38	23438 19:27	3020 19:16	174457 19:22

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	0.37	5.17	5.54	75.60	18.85

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	11600	0	257.9	135.7	-1.4	88	0.0
	Haryana	9802	50	214.0	157.1	0.4	215	0.3
	Rajasthan	9392	0	212.7	47.8	-0.8	405	0.0
	Delhi	6391	0	132.6	109.1	0.0	210	0.0
	UP	20194	1140	431.3	185.6	5.4	960	8.0
	Uttarakhand	2077	0	44.3	17.3	0.7	147	0.0
	HP	1420	0	29.8	-2.6	0.1	118	0.0
	J&K	2082	520	39.7	17.7	-0.9	197	9.4
WR	Chhattisgarh	309	0	6.1	6.6	-0.4	7	0.0
	Gujarat	14085	0	316.9	67.3	4.4	456	0.0
	MP	8373	0	185.6	75.9	-3.0	286	0.0
	Maharashtra	19914	0	431.4	148.6	-2.4	491	0.0
	Goa	541	0	11.4	10.6	0.2	52	0.0
	DD	323	0	7.7	7.1	0.6	55	0.0
	DNH	809	0	19.0	19.2	-0.2	29	0.0
	Essar steel	311	0	5.0	5.3	-0.3	269	0.0
SR	Andhra Pradesh	8625	0	190.4	40.2	-0.1	498	0.0
	Telangana	11703	0	239.4	127.5	-1.0	421	0.0
	Karnataka	10440	0	192.7	39.3	0.2	495	0.0
	Kerala	3308	0	65.6	44.1	1.7	212	0.0
	Tamil Nadu	14204	0	307.0	106.5	-1.8	389	0.0
	Pondy	411	0	8.5	8.6	-0.1	22	0.0
ER	Bihar	5768	0	117.6	116.2	-1.2	150	0.0
	DVC	3024	0	64.8	-35.0	-0.7	200	0.0
	Jharkhand	1134	0	27.8	17.0	1.3	100	0.0
	Odisha	4745	0	94.8	23.1	9.3	700	0.0
	West Bengal	8990	0	178.5	85.2	4.2	500	0.0
NER	Sikkim	95	0	1.0	1.4	-0.4	10	0.0
	Arunachal Pradesh	121	9	2.3	2.1	0.2	50	0.0
	Assam	1923	67	36.4	32.3	0.2	153	2.0
	Manipur	170	12	2.7	2.4	0.3	30	0.0
	Meghalaya	321	6	5.3	1.5	-0.1	80	0.0
	Mizoram	93	6	1.8	0.3	1.2	17	0.0
	Nagaland	124	8	2.2	2.3	-0.3	54	0.0
	Tripura	293	25	6.0	4.5	0.8	59	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	35.5	-5.8	-25.6
Day peak (MW)	1707.5	-409.1	-1113.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	241.2	-264.5	43.4	-31.8	11.1	-0.7
Actual(MU)	243.4	-253.3	26.1	-24.3	12.5	4.4
O/D/U/D(MU)	2.2	11.2	-17.2	7.6	1.4	5.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3833	16032	7682	1900	833	30280
State Sector	5555	17808	8640	7020	50	39072
Total	9388	33839	16322	8920	883	69352

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	643	1080	479	391	11	2604
Lignite	20	7	46	0	0	73
Hydro	360	97	92	138	17	705
Nuclear	27	31	55	0	0	114
Gas, Naptha & Diesel	34	58	16	0	21	130
RES (Wind, Solar, Biomass & Others)	48	72	294	2	0	416
Total	1132	1344	984	532	50	4041

Share of RES in total generation (%)	4.23	5.37	29.89	0.41	0.08	10.30
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.42	14.88	44.90	26.43	35.03	30.55

H. Diversity Factor

All India Demand Diversity Factor	1.036
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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-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)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	198	186	0.9	0.0	0.9
2		SASARAM-FATEHPUR	S/C	304	0	4.0	0.0	4.0
3		GAYA-BALIA	S/C	0	359	0.0	6.4	-6.4
4		ALIPURDUAR-AGRA	-	0	1101	0.0	26.7	-26.7
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9
6	400 kV	PUSAULI-VARANASI	S/C	0	197	0.0	4.1	-4.1
7		PUSAULI -ALLAHABAD	S/C	0	58	0.0	0.6	-0.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	676	0.0	7.5	-7.5
9		PATNA-BALIA	Q/C	0	659	0.0	10.8	-10.8
10		BIHARSHARIFF-BALIA	D/C	0	254	0.0	3.7	-3.7
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	306	0	4.2	0.0	4.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	222	0.0	3.9	-3.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	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
ER-NR						9.7	68.6	-58.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1717	0	32.9	0.0	32.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	1301	0	21.3	0.0	21.3
20		JHARSUGUDA-DURG	D/C	416	0	6.9	0.0	6.9
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	426	0	5.8	0.0	5.8
22		RANCHI-SIPAT	D/C	430	0	7.4	0.0	7.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	11	103	0.0	1.1	-1.1
24		BUDHIPADAR-KORBA	D/C	173	0	3.3	0.0	3.3
ER-WR						77.6	1.1	76.5
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1839.0	0.0	27.1	-27.1
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	316.0	0.0	7.3	0.0	7.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1484.0	0.0	22.1	-22.1
28	400 kV	TALCHER-I/C	D/C	403.0	806.0	0.0	3.4	-3.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						7.3	49.3	-41.9
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	698	0.0	13.0	-13
31		ALIPURDUAR-BONGAIGAON	D/C	0	394	0.0	6.1	-6
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	146	0.0	2.6	-3
ER-NER						0.0	21.7	-21.7
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	505	0.0	11.0	-11.0
NER-NR						0.0	11.0	-11.0
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2504	0.0	48.9	-48.9
35		V'CHAL B/B	D/C	363	0	9.7	0.0	9.7
36		APL -MHG	D/C	0	1363	0.0	26.2	-26.2
37	765 kV	GWALIOR-AGRA	D/C	0	2854	0.0	51.7	-51.7
38		PHAGI-GWALIOR	D/C	0	843	0.0	13.5	-13.5
39		JABALPUR-ORAI	D/C	0	962	0.0	34.2	-34.2
40		GWALIOR-ORAI	S/C	358	0	6.7	0.0	6.7
41		SATNA-ORAI	S/C	0	1404	0.0	27.5	-27.5
42		CHITTORGARH-BANASKANTHA	D/C	0	1126	0.0	10.3	10.3
43		ZERDA-KANKROLI	S/C	29	184	0.0	1.5	-1.5
44	400 kV	ZERDA -BHINMAL	S/C	41	249	0.0	2.5	-2.4
45		V'CHAL -RIHAND	S/C	962	0	22.7	0.0	22.7
46		RAPP-SHUJALPUR	D/C	57	343	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	49	34	0.3	0.2	0.1
48		BHANPURA-MORAK	S/C	10	84	0.0	1.0	-1.0
49		MEHGAON-AURAIYA	S/C	60	13	0.3	0.0	0.3
50		MALANPUR-AURAIYA	S/C	18	49	0.0	0.6	-0.6
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.8	219.8	-159.4
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	508	0.0	8.4	-8.4
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1433	771	11.9	1.3	10.6
55		WARDHA-NIZAMABAD	D/C	0	2256	0.0	27.5	-27.5
56	400 kV	KOLHAPUR-KUDGI	D/C	1240	0	20.7	0.0	20.7
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
WR-SR						33.3	38.3	-5.1
TRANSNATIONAL EXCHANGE								
60		BHUTAN						35.5
61		NEPAL						-5.8
62		BANGLADESH						-25.6