



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: 29th 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 28.08.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

29-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)	59474	46091	41363	22299	2826	172053
Peak Shortage (MW)	1909	0	0	0	184	2093
Energy Met (MU)	1384	1053	991	461	53	3942
Hydro Gen (MU)	371	116	112	129	19	748
Wind Gen (MU)	7	48	134	-----	-----	189
Solar Gen (MU)*	19.12	13.63	78.31	2.16	0.03	113
Energy Shortage (MU)	15.8	0.0	0.0	0.0	3.1	18.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61387 23:30	46777 19:27	44222 07:34	22824 21:10	2818 19:45	173934 19:33

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	0.036	0.00	0.72	6.48	7.20	78.17	14.63

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	11731	0	265.3	137.7	-1.2	104	0.0
	Haryana	9831	0	217.0	168.7	0.2	281	0.0
	Rajasthan	9983	0	221.0	72.2	-2.8	300	0.0
	Delhi	6254	0	128.0	106.4	0.1	194	0.0
	UP	19804	1840	429.1	185.5	-0.2	490	5.8
	Uttarakhand	2049	0	45.7	17.4	0.7	113	0.1
	HP	1423	0	30.0	-1.9	-0.6	91	0.0
	J&K	1956	489	41.6	18.5	0.1	194	9.9
WR	Chandigarh	335	0	6.5	6.6	-0.2	11	0.0
	Chhattisgarh	4130	0	93.2	34.3	1.3	817	0.0
	Gujarat	13586	0	302.4	63.2	3.6	710	0.0
	MP	8243	0	175.4	84.3	-3.0	849	0.0
	Maharashtra	19721	0	439.3	135.9	4.2	913	0.0
	Goa	541	0	11.1	10.1	0.4	133	0.0
	DD	343	0	7.7	7.0	0.7	105	0.0
	DNH	804	0	18.8	18.8	0.0	141	0.0
SR	Essar steel	294	0	5.3	5.4	-0.1	246	0.0
	Andhra Pradesh	8899	0	187.2	41.1	1.8	664	0.0
	Telangana	11064	0	235.2	124.8	0.6	961	0.0
	Karnataka	9781	0	186.2	37.5	2.1	784	0.0
	Kerala	3293	10	61.7	38.8	1.9	291	0.0
	Tamil Nadu	14124	10	312.0	117.4	-0.7	536	0.0
	Pondy	424	0	8.4	8.2	0.2	75	0.0
	Bihar	5720	0	115.4	112.0	-1.5	100	0.0
ER	DVC	2983	0	63.8	-31.4	-0.5	120	0.0
	Jharkhand	1219	0	25.3	15.8	0.3	90	0.0
	Odisha	4327	0	84.8	22.2	2.7	400	0.0
	West Bengal	8759	0	170.3	91.4	1.5	300	0.0
	Sikkim	90	0	0.9	1.4	-0.4	5	0.0
NER	Arunachal Pradesh	139	1	2.2	2.0	0.3	72	0.0
	Assam	1822	147	33.8	29.7	0.1	141	3.0
	Manipur	167	2	2.4	2.2	0.2	46	0.0
	Meghalaya	325	0	5.7	1.3	0.1	54	0.0
	Mizoram	97	2	1.6	0.3	0.5	31	0.1
	Nagaland	141	1	2.4	2.0	-0.1	45	0.0
	Tripura	299	4	5.3	3.8	1.3	99	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	35.1	-6.5	-26.1
Day peak (MW)	1680.2	-464.8	-1126.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	269.7	-281.2	35.1	-33.5	9.8	0.0
Actual(MU)	258.5	-282.1	39.1	-30.2	11.4	-3.3
O/D/U/D(MU)	-11.2	-0.9	4.0	3.3	1.5	-3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3763	16602	8082	1950	731	31128
State Sector	5765	18771	9500	7610	50	41695
Total	9528	35372	17582	9560	781	72823

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	646	1063	471	386	10	2576
Lignite	20	12	46	0	0	77
Hydro	371	116	112	129	19	748
Nuclear	27	31	55	0	0	114
Gas, Naptha & Diesel	38	49	16	0	20	123
RES (Wind, Solar, Biomass & Others)	43	67	258	2	0	370
Total	1145	1338	959	517	48	4008

Share of RES in total generation (%)	3.73	5.00	26.96	0.42	0.06	9.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.54	16.01	44.42	25.30	39.27	30.73

H. Diversity Factor

All India Demand Diversity Factor	1.024
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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 : 29-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	342	175	0.6	0.0	0.6	
2		SASARAM-FATEHPUR	S/C	331	2	3.3	0.0	3.3	
3		GAYA-BALIA	S/C	0	332	0.0	6.4	-6.4	
4		ALIPURDUAR-AGRA	-	0	1001	0.0	24.0	-24.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	220	0.0	4.5	-4.5	
7		PUSAULI -ALLAHABAD	S/C	12	39	0.0	0.2	-0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	13	676	0.0	8.5	-8.5	
9		PATNA-BALIA	Q/C	0	670	0.0	13.2	-13.2	
10		BIHARSHARIFF-BALIA	D/C	0	274	0.0	4.2	-4.2	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	321	0	3.9	0.0	3.9	
13		PUSAULI-SAHUPURI	S/C	0	219	0.0	4.0	-4.0	
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						8.3	69.9	-61.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1848	0	33.0	0.0	33.0	
19		NEW RANCHI-DHARAMAJGARH	D/C	1233	0	20.8	0.0	20.8	
20		JHARSUGUDA-DURG	D/C	399	0	6.5	0.0	6.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	416	0	6.9	0.0	6.9	
22		RANCHI-SIPAT	D/C	416	0	6.9	0.0	6.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	100	0.0	1.5	-1.5	
24		BUDHIPADAR-KORBA	D/C	173	0	3.3	0.0	3.3	
ER-WR						77.4	1.5	75.9	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1667.0	0.0	23.9	-23.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	311.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1480.0	0.0	23.8	-23.8	
28	400 kV	TALCHER-I/C	D/C	59.0	964.0	0.0	10.0	-10.0	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.4	47.6	-40.3	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	775	0.0	12.4	-12	
31		ALIPURDUAR-BONGAIGAON	D/C	0	509	0.0	5.9	-6	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	165	0.0	2.6	-3	
ER-NER						0.0	21.0	-21.0	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	504	0.0	11.6	-11.6	
NER-NR						0.0	11.6	-11.6	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2513	0.0	48.1	-48.1	
35		V'CHAL B/B	D/C	362	0	9.7	0.0	9.7	
36		APL -MHG	D/C	0	1175	0.0	29.2	-29.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2563	0.0	49.6	-49.6	
38		PHAGI-GWALIOR	D/C	0	1108	0.0	17.1	-17.1	
39		JABALPUR-ORAI	D/C	0	863	0.0	33.7	-33.7	
40		GWALIOR-ORAI	S/C	335	0	6.6	0.0	6.6	
41		SATNA-ORAI	S/C	0	1343	0.0	29.0	-29.0	
42		CHITTORGARH-BANASKANTHA	D/C	0	1020	0.0	11.5	11.5	
43	400 kV	ZERDA-KANKROLI	S/C	0	165	0.0	1.9	-1.9	
44		ZERDA -BHINMAL	S/C	82	293	0.1	3.4	-3.4	
45		V'CHAL -RIHAND	S/C	969	0	22.3	0.0	22.3	
46		RAPP-SHUJALPUR	D/C	0	371	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	27	40	0.1	0.2	-0.1	
48		BHANPURA-MORAK	S/C	0	101	0.0	1.2	-1.2	
49		MEHGAON-AURAIYA	S/C	57	13	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	14	44	0.0	0.6	-0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						39.1	228.0	-165.9	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	189	214	0.0	2.1	-2.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1316	1301	6.0	4.8	1.2	
55		WARDHA-NIZAMABAD	D/C	1469	2419	0.0	32.3	-32.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	1251	0	19.1	0.0	19.1	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	68	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	39	0.7	0.0	0.7	
WR-SR						25.8	40.5	-14.7	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						35.1	
61		NEPAL						-6.5	
62		BANGLADESH						-26.1	