



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: 18th 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 17.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

18-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)	45512	44562	38192	21273	2858	152397
Peak Shortage (MW)	472	0	0	0	140	612
Energy Met (MU)	1049	984	894	451	53	3432
Hydro Gen (MU)	362	103	142	127	24	758
Wind Gen (MU)	29	88	78	-----	-----	195
Solar Gen (MU)*	21.27	16.24	65.76	2.16	0.04	105
Energy Shortage (MU)	7.9	0.0	0.2	0.0	1.2	9.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49943 00:11	45258 19:46	40659 07:21	21512 19:51	2969 19:15	154036 19:46

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	4.86	4.86	80.93	14.21

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	8942	0	176.1	125.7	-6.0	42	0.0
	Haryana	7405	0	150.9	133.7	-1.1	280	0.0
	Rajasthan	7044	0	147.3	38.9	-5.5	179	0.0
	Delhi	4917	0	99.2	83.8	-1.2	161	0.0
	UP	18071	0	370.6	171.6	-1.7	522	0.0
	Uttarakhand	1741	0	37.5	12.0	-1.1	155	0.0
	HP	1514	0	29.6	-2.0	1.1	248	0.0
	J&K	1972	493	33.5	15.0	-1.0	257	7.9
WR	Chandigarh	234	0	5.0	6.1	-1.1	36	0.0
	Chhattisgarh	4130	0	97.4	30.9	3.1	333	0.0
	Gujarat	12698	0	281.8	67.2	3.4	613	0.0
	MP	7729	0	164.8	67.2	-4.1	364	0.0
	Maharashtra	18304	0	399.9	128.1	1.8	686	0.0
	Goa	541	0	11.7	10.8	0.3	62	0.0
	DD	345	0	7.6	6.9	0.7	63	0.0
	DNH	780	0	18.2	18.3	-0.1	32	0.0
SR	Essar steel	202	0	3.0	3.0	0.0	306	0.0
	Andhra Pradesh	7903	0	174.0	25.2	2.9	863	0.0
	Telangana	10249	0	218.9	77.9	2.1	660	0.1
	Karnataka	8419	0	158.1	32.4	0.4	556	0.1
	Kerala	3292	0	63.8	47.7	1.5	197	0.0
	Tamil Nadu	13017	0	272.1	146.2	1.9	690	0.1
	Pondy	341	0	6.9	7.0	-0.1	39	0.0
	Bihar	5447	0	107.8	103.8	-0.5	285	0.0
ER	DVC	2892	0	62.0	-21.6	-0.4	260	0.0
	Jharkhand	1126	0	24.4	14.8	0.1	121	0.0
	Odisha	4866	0	104.5	38.3	1.0	330	0.0
	West Bengal	7539	0	151.0	72.9	1.6	410	0.0
	Sikkim	86	0	0.9	1.4	-0.5	20	0.0
NER	Arunachal Pradesh	128	1	2.0	2.5	-0.5	45	0.0
	Assam	1839	80	35.2	29.3	0.1	120	1.1
	Manipur	140	2	2.3	2.3	-0.1	24	0.0
	Meghalaya	324	0	5.5	0.7	-0.2	48	0.0
	Mizoram	95	1	1.4	0.7	0.5	10	0.0
	Nagaland	135	2	2.2	2.2	-0.3	47	0.0
	Tripura	275	2	4.8	4.1	-0.2	76	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.4	-6.3	-21.4
Day peak (MW)	2084.9	-368.2	-1007.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	206.2	-235.0	46.1	-20.6	3.5	0.1
Actual(MU)	153.4	-234.9	76.9	-5.4	5.0	-4.9
O/D/U/D(MU)	-52.8	0.2	30.9	15.3	1.4	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5483	18123	9132	2105	703	35546
State Sector	14170	19507	9910	7880	50	51517
Total	19653	37630	19042	9985	752	87063

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	409	936	395	344	7	2091
Lignite	17	9	39	0	0	65
Hydro	362	103	142	127	24	758
Nuclear	27	29	55	0	0	111
Gas, Naptha & Diesel	32	36	16	0	22	105
RES (Wind, Solar, Biomass & Others)	65	112	172	2	0	352
Total	913	1225	819	472	53	3482

Share of RES in total generation (%)	7.17	9.16	21.04	0.46	0.08	10.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	49.85	19.99	45.04	27.25	45.67	35.09

H. Diversity Factor

All India Demand Diversity Factor	1.041
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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 : 18-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	404	0	5.9	0.0	5.9
2		SASARAM-FATEHPUR	S/C	392	0	6.3	0.0	6.3
3		GAYA-BALIA	S/C	0	220	0.0	2.9	-2.9
4		ALIPURDUAR-AGRA	-	0	1351	0.0	32.2	-32.2
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8
6	400 kV	PUSAULI-VARANASI	S/C	0	243	0.0	5.1	-5.1
7		PUSAULI -ALLAHABAD	S/C	34	23	0.4	0.0	0.4
8		MUZAFFARPUR-GORAKHPUR	D/C	158	366	0.0	1.3	-1.3
9		PATNA-BALIA	Q/C	39	391	0.0	3.9	-3.9
10		BIHARSHARIFF-BALIA	D/C	46	93	0.0	0.2	-0.2
11		MOTIHARI-GORAKHPUR	D/C	0	7	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	350	0	6.1	0.0	6.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	180	0.0	3.7	-3.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
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						19.1	54.2	-35.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2218	0	41.8	0.0	41.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	1261	0	23.4	0.0	23.4
20		JHARSUGUDA-DURG	D/C	318	0	4.4	0.0	4.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	452	0	6.9	0.0	6.9
22		RANCHI-SIPAT	D/C	430	0	6.7	0.0	6.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	7	75	0.0	0.9	-0.9
24		BUDHIPADAR-KORBA	D/C	149	0	2.6	0.0	2.6
ER-WR						85.8	0.9	84.9
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1950.0	0.0	29.5	-29.5
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	428.0	0.0	8.6	-8.6
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2468.0	0.0	27.4	-27.4
28	400 kV	TALCHER-I/C	D/C	752.0	1244.0	0.0	0.6	-0.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	65.4	-65.4
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	750	0.0	13.1	-13
31		ALIPURDUAR-BONGAIGAON	D/C	34	325	0.0	3.6	-4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	142	0.0	2.6	-3
ER-NER						0.0	19.3	-19.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	14.7	-14.7
NER-NR						0.0	14.7	-14.7
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1802	0.0	15.0	-15.0
35		V'CHAL B/B	D/C	451	0	11.8	0.0	11.8
36		APL -MHG	D/C	0	785	0.0	15.9	-15.9
37	765 kV	GWALIOR-AGRA	D/C	0	2266	0.0	38.8	-38.8
38		PHAGI-GWALIOR	D/C	0	848	0.0	12.4	-12.4
39		JABALPUR-ORAI	D/C	439	778	0.0	26.0	-26.0
40		GWALIOR-ORAI	S/C	232	0	4.3	0.0	4.3
41		SATNA-ORAI	S/C	0	1295	0.0	26.0	-26.0
42		CHITTORGARH-BANASKANTHA	D/C	0	912	0.0	11.8	11.8
43		ZERDA-KANKROLI	S/C	56	89	0.2	0.6	-0.4
44	400 kV	ZERDA -BHINMAL	S/C	254	33	2.1	0.0	2.0
45		V'CHAL -RIHAND	S/C	965	0	22.2	0.0	22.2
46		RAPP-SHUJALPUR	D/C	165	218	0	1	-1
47	220 kV	BHANPURA-RANPUR	S/C	41	34	0.1	0.2	-0.1
48		BHANPURA-MORAK	S/C	0	134	0.0	1.4	-1.4
49		MEHGAON-AURAIYA	S/C	59	4	0.6	0.0	0.6
50		MALANPUR-AURAIYA	S/C	22	38	0.1	0.3	-0.2
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.2	149.6	-84.8
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	1002	0.0	10.1	-10.1
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	821	1786	0.0	9.0	-9.0
55		WARDHA-NIZAMABAD	D/C	1003	2763	0.0	35.9	-35.9
56	400 kV	KOLHAPUR-KUDGI	D/C	1026	0	13.2	0.0	13.2
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	61	0.0	1.1	-1.1
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7
WR-SR						13.9	56.1	-42.2
TRANSNATIONAL EXCHANGE								
60		BHUTAN						43.4
61		NEPAL						-6.3
62		BANGLADESH						-21.4