



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: 02nd 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 01.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 1st August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

2-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)	55338	42294	39684	21905	2739	161960
Peak Shortage (MW)	1381	33	100	0	148	1662
Energy Met (MU)	1304	945	929	472	51	3701
Hydro Gen (MU)	332	19	55	137	29	573
Wind Gen (MU)	34	135	214	-----	-----	382
Solar Gen (MU)*	20.57	10.1	63.11	2.20	0.04	96
Energy Shortage (MU)	9.2	0.1	0.6	0.0	2.7	12.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59088 21:26	43653 19:52	41209 07:37	22558 19:36	2780 19:34	164896 19:36

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	0.057	0.08	1.23	11.23	12.53	66.90	20.57

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	10096	0	229.8	133.9	-1.8	73	0.0
	Haryana	9243	0	201.8	163.0	1.0	322	0.0
	Rajasthan	9042	0	197.6	52.9	-4.3	154	0.0
	Delhi	5918	0	121.9	104.4	0.4	152	0.0
	UP	21186	410	437.9	203.7	-2.0	547	0.0
	Uttarakhand	1924	0	42.4	14.8	1.8	184	0.0
	HP	1391	0	28.7	-2.8	-0.3	48	0.0
	J&K	2075	519	38.5	15.7	3.6	588	9.2
WR	Chandigarh	254	0	5.3	5.9	-0.6	5	0.0
	Chhattisgarh	3720	0	86.8	21.3	1.9	360	0.1
	Gujarat	11794	0	260.2	42.0	5.3	817	0.0
	MP	8315	0	183.7	84.1	-1.1	472	0.0
	Maharashtra	17162	0	371.2	97.8	-0.1	617	0.0
	Goa	541	0	11.8	10.8	0.4	63	0.0
	DD	310	0	7.1	6.6	0.5	43	0.0
	DNH	766	0	18.1	18.1	0.0	127	0.0
SR	Essar steel	348	0	5.7	5.9	-0.2	334	0.0
	Andhra Pradesh	7622	0	166.0	13.1	-0.1	781	0.0
	Telangana	8463	0	171.8	64.9	0.4	960	0.0
	Karnataka	9863	0	185.0	44.1	-2.7	629	0.0
	Kerala	3601	0	72.6	57.8	3.3	332	0.6
	Tamil Nadu	14758	0	325.8	133.3	0.4	759	0.0
	Pondy	404	0	8.3	8.5	-0.2	42	0.0
	ER	Bihar	5340	0	105.5	102.3	-1.2	325
DVC		2912	0	63.2	-38.2	-0.7	185	0.0
Jharkhand		1123	0	23.8	17.5	0.2	150	0.0
Odisha		4771	0	98.1	25.7	16.8	1376	0.0
West Bengal		8690	0	180.6	84.0	2.2	365	0.0
NER	Sikkim	84	0	0.9	1.4	-0.6	30	0.0
	Arunachal Pradesh	124	3	2.4	3.2	-0.9	58	0.0
	Assam	1710	60	31.4	26.2	0.6	142	2.5
	Manipur	143	2	2.6	2.4	0.2	21	0.0
	Meghalaya	298	0	5.6	0.3	-0.4	34	0.0
	Mizoram	90	1	1.6	1.3	0.1	9	0.0
	Nagaland	136	2	2.2	2.2	-0.1	39	0.1
	Tripura	283	5	4.8	4.8	-0.5	37	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.3	-5.2	-26.2
Day peak (MW)	1909.5	-276.0	-1122.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	299.6	-284.2	26.0	-32.5	-8.9	0.0
Actual(MU)	290.2	-297.0	29.0	-10.3	-11.5	0.4
O/D/U/D(MU)	-9.4	-12.8	3.0	22.2	-2.6	0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5575	17518	8302	2800	82	34276
State Sector	9250	19219	10960	5400	49	44878
Total	14825	36737	19262	8200	131	79154

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	554	993	411	371	11	2340
Lignite	15	11	47	0	0	72
Hydro	332	19	55	137	29	573
Nuclear	27	31	60	0	0	119
Gas, Naptha & Diesel	31	39	16	0	28	113
RES (Wind, Solar, Biomass & Others)	70	152	318	2	0	543
Total	1029	1244	907	510	68	3759

Share of RES in total generation (%)	6.83	12.23	35.05	0.43	0.06	14.43
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.75	16.27	47.81	27.31	42.13	32.82

H. Diversity Factor

All India Demand Diversity Factor	1.027
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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 : 2-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	230	199	1.4	0.0	1.4
2		SASARAM-FATEHPUR	S/C	329	0	4.3	0.0	4.3
3		GAYA-BALIA	S/C	0	383	0.0	6.3	-6.3
4		ALIPURDUAR-AGRA	-	0	1605	0.0	38.7	-38.7
5		PUSAULI B/B	S/C	3	398	0.0	7.8	-7.8
6	400 kV	PUSAULI-VARANASI	S/C	0	309	0.0	5.7	-5.7
7		PUSAULI -ALLAHABAD	S/C	63	147	0.0	2.0	-2.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	602	0.0	7.8	-7.8
9		PATNA-BALIA	Q/C	0	652	0.0	12.8	-12.8
10		BIHARSHARIFF-BALIA	D/C	0	308	0.0	5.7	-5.7
11	220 kV	MOTHARI-GORAKHPUR	D/C	0	259	0.0	4.2	-4.2
12		BIHARSHARIFF-VARANASI	D/C	208	6	2.6	0.0	2.6
13	132 kV	PUSAULI-SAHUPURI	S/C	0	175	0.0	3.0	-3.0
14		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
ER-NR						8.8	93.8	-85.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	2083	0	36.7	0.0	36.7
19		NEW RANCHI-DHARAMAJGARH	D/C	1365	0	25.8	0.0	25.8
20		JHARSUGUDA-DURG	D/C	412	0	8.2	0.0	8.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	536	0	9.2	0.0	9.2
22		RANCHI-SIPAT	D/C	506	0	8.9	0.0	8.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	30	51	0.0	0.2	-0.2
24		BUDHIPADAR-KORBA	D/C	268	0	5.2	0.0	5.2
ER-WR						94.1	0.2	93.9
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1104.0	0.0	13.5	-13.5
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	295.0	313.0	0.0	3.9	-3.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1388.0	0.0	22.8	-22.8
28	400 kV	TALCHER-I/C	D/C	317.0	866.0	0.0	7.6	-7.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	40.2	-40.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	656	0.0	9.8	-10
31		ALIPURDUAR-BONGAIGAON	D/C	375	110	3.6	0.0	4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	113	0.0	1.3	-1
ER-NER						3.6	11.1	-7.5
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	902	0.0	21.3	-21.3
NER-NR						0.0	21.3	-21.3
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3004	0.0	50.3	-50.3
35		V'CHAL B/B	D/C	187	0	4.9	0.0	4.9
36		APL -MHG	D/C	0	1917	0.0	43.1	-43.1
37	765 kV	GWALIOR-AGRA	D/C	0	2617	0.0	45.9	-45.9
38		PHAGI-GWALIOR	D/C	0	966	0.0	14.9	-14.9
39		JABALPUR-ORAI	D/C	0	1071	0.0	37.0	-37.0
40		GWALIOR-ORAI	S/C	334	0	6.2	0.0	6.2
41		SATNA-ORAI	S/C	0	1386	0.0	27.1	-27.1
42	400 kV	CHITTORGARH-BANASKANTHA	D/C	0	1030	0.0	7.9	7.9
43		ZERDA-KANKROLI	S/C	95	145	0.4	0.7	-0.4
44		ZERDA -BHINMAL	S/C	317	155	2.0	0.5	1.5
45	220 kV	V'CHAL -RIHAND	S/C	974	0	22.7	0.0	22.7
46		RAPP-SHUJALPUR	D/C	134	335	0	1	-1
47	132kV	BHANPURA-RANPUR	S/C	36	61	0.0	0.5	-0.5
48		BHANPURA-MORAK	S/C	0	100	0.0	1.3	-1.3
49		MEHGAON-AURAIYA	S/C	91	0	1.1	0.0	1.1
50	220 kV	MALANPUR-AURAIYA	S/C	51	15	0.3	0.1	0.3
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						37.7	230.4	-177.0
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	508	0.0	5.8	-5.8
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1167	992	0.0	4.9	-4.9
55		WARDHA-NIZAMABAD	D/C	0	1656	0.0	17.0	-17.0
56	400 kV	KOLHAPUR-KUDGI	D/C	958	0	15.0	0.0	15.0
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	56	0.0	1.1	-1.1
59		XELDEM-AMBEWADI	S/C	0	32	0.6	0.0	0.6
WR-SR						15.7	28.8	-13.2
TRANSNATIONAL EXCHANGE								
60		BHUTAN						43.3
61		NEPAL						-5.2
62		BANGLADESH						-26.2