



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: 03rd 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 02.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 2nd August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

3-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)	54206	42345	39245	21774	2838	160408
Peak Shortage (MW)	808	150	150	200	165	1473
Energy Met (MU)	1251	958	897	471	53	3629
Hydro Gen (MU)	331	22	58	139	29	579
Wind Gen (MU)	26	123	224	-----	-----	373
Solar Gen (MU)*	23.71	11.7	37.79	2.23	0.05	75
Energy Shortage (MU)	9.6	0.6	-0.5	0.6	1.8	12.1
Maximum Demand Met during the day (MW) & time (from RLDC SCADA)	57661 22:30	44200 19:51	39888 07:26	22435 20:25	2816 19:58	163653 20:17

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	0.040	0.00	0.00	7.33	7.33	79.58	13.09

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	9026	0	195.0	124.2	-2.4	175	0.0
	Haryana	9115	0	192.3	155.3	-0.7	226	0.0
	Rajasthan	8950	0	197.6	61.5	-1.4	424	0.0
	Delhi	5790	0	121.7	104.3	-0.1	180	0.0
	UP	21282	0	428.3	194.0	0.8	679	0.0
	Uttarakhand	1903	0	42.4	16.8	0.7	176	0.0
	HP	1349	0	28.1	-1.6	0.3	184	0.0
	J&K	1947	487	40.4	14.9	5.9	550	9.6
WR	Chandigarh	234	0	5.1	5.7	-0.6	0	0.0
	Chhattisgarh	3750	0	90.0	23.0	2.4	349	0.6
	Gujarat	12440	0	273.8	63.0	0.6	539	0.0
	MP	8493	0	189.3	88.7	0.3	903	0.0
	Maharashtra	16672	0	362.4	99.8	-0.9	454	0.0
	Goa	541	0	11.8	11.0	0.2	27	0.0
	DD	321	0	7.2	6.8	0.4	38	0.0
	DNH	756	0	17.7	17.9	-0.2	38	0.0
SR	Essar steel	335	0	5.7	6.2	-0.5	317	0.0
	Andhra Pradesh	6915	0	153.9	6.9	-0.5	494	0.0
	Telangana	7403	0	152.0	60.9	-0.4	581	0.0
	Karnataka	9510	0	184.7	39.5	-0.7	633	0.0
	Kerala	3490	-150	72.4	60.1	3.2	301	-0.5
	Tamil Nadu	14683	0	325.4	132.8	1.5	576	0.0
	Pondy	376	0	8.3	8.5	-0.2	35	0.0
	Bihar	5585	0	106.7	100.9	1.8	180	0.0
ER	DVC	2906	0	62.9	-30.9	-1.9	150	0.0
	Jharkhand	1280	0	25.0	17.7	-0.5	120	0.0
	Odisha	4499	0	96.5	26.0	16.0	1250	0.6
	West Bengal	8679	0	178.9	80.6	3.2	410	0.0
	Sikkim	88	0	0.9	1.3	-0.4	10	0.0
NER	Arunachal Pradesh	127	2	2.1	2.8	-0.7	56	0.0
	Assam	1778	141	33.0	26.7	1.6	192	1.7
	Manipur	169	3	2.6	2.4	0.2	39	0.0
	Meghalaya	342	0	5.6	-0.5	-0.1	57	0.0
	Mizoram	84	1	1.7	1.1	0.4	6	0.0
	Nagaland	130	2	2.2	2.1	-0.2	62	0.0
	Tripura	280	8	5.5	4.1	0.5	68	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.5	-4.4	-26.0
Day peak (MW)	1931.0	-145.6	-1110.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	290.5	-269.9	22.8	-34.8	-8.8	-0.1
Actual(MU)	288.6	-289.6	22.0	-9.7	-5.8	5.5
O/D/U/D(MU)	-1.9	-19.7	-0.9	25.1	2.9	5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5226	16918	9202	2800	365	34511
State Sector	9910	19071	9570	5400	50	44000
Total	15136	35988	18772	8200	415	78511

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	503	1004	397	365	8	2277
Lignite	16	11	50	0	0	77
Hydro	331	21	58	139	29	579
Nuclear	27	31	60	0	0	119
Gas, Naptha & Diesel	31	41	16	0	26	113
RES (Wind, Solar, Biomass & Others)	66	143	302	2	0	513
Total	974	1250	883	507	64	3678

Share of RES in total generation (%)	6.74	11.41	34.26	0.45	0.08	13.95
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.58	15.61	47.61	27.93	45.92	32.92

H. Diversity Factor

All India Demand Diversity Factor	1.020
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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 : 3-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	273	128	0.2	0.0	0.2	
2		SASARAM-FATEHPUR	S/C	306	0	3.5	0.0	3.5	
3		GAYA-BALIA	S/C	0	396	0.0	5.4	-5.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	1701	0.0	25.2	-25.2	
5		PUSAULI B/B	S/C	2	398	0.0	8.6	-8.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	304	0.0	6.0	-6.0	
7		PUSAULI -ALLAHABAD	S/C	43	145	0.0	2.4	-2.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	85	542	0.0	7.2	-7.2	
9		PATNA-BALIA	Q/C	0	613	0.0	11.3	-11.3	
10		BIHARSHARIFF-BALIA	D/C	0	276	0.0	4.2	-4.2	
11		MOTHARI-GORAKHPUR	D/C	0	233	0.0	4.3	-4.3	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	258	0	2.7	0.0	2.7	
13		PUSAULI-SAHUPURI	S/C	0	185	0.0	3.2	-3.2	
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	
ER-NR						6.8	77.8	-71.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1696	0	32.1	0.0	32.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1398	0	23.5	0.0	23.5	
20		JHARSUGUDA-DURG	D/C	355	0	6.8	0.0	6.8	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	452	0	7.0	0.0	7.0	
22		RANCHI-SIPAT	D/C	527	0	9.3	0.0	9.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	72	0.0	1.1	-1.1	
24		BUDHIPADAR-KORBA	D/C	232	0	4.5	0.0	4.5	
ER-WR						83.1	1.1	82.1	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1524.0	0.0	21.9	-21.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	496.0	0.0	7.9	0.0	7.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	592.0	0.0	11.6	-11.6	
28	400 kV	TALCHER-I/C	D/C	368.0	39.0	3.1	0.0	3.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.9	33.5	-25.6	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	769	0.0	11.3	-11	
31		ALIPURDUAR-BONGAIGAON	D/C	280	189	1.6	0.0	2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	133	0.0	1.6	-2	
ER-NER						1.6	13.0	-11.4	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	1004	0.0	19.6	-19.6	
NER-NR						0.0	19.6	-19.6	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3004	0.0	53.5	-53.5	
35		V'CHAL B/B	D/C	451	0	6.3	0.0	6.3	
36		APL -MHG	D/C	0	1920	0.0	35.7	-35.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2634	0.0	44.9	-44.9	
38		PHAGI-GWALIOR	D/C	0	949	0.0	18.0	-18.0	
39		JABALPUR-ORAI	D/C	0	1070	0.0	35.9	-35.9	
40		GWALIOR-ORAI	S/C	404	0	7.6	0.0	7.6	
41		SATNA-ORAI	S/C	0	1377	0.0	27.5	-27.5	
42		CHITTORGARH-BANASKANTHA	D/C	0	846	0.0	6.7	6.7	
43	400 kV	ZERDA-KANKROLI	S/C	77	130	0.3	0.8	-0.6	
44		ZERDA -BHINMAL	S/C	268	172	0.9	1.1	-0.2	
45		V'CHAL -RIHAND	S/C	975	0	17.7	0.0	17.7	
46		RAPP-SHUJALPUR	D/C	0	297	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	3	52	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	87	0.0	1.4	-1.4	
49		MEHGAON-AURAIYA	S/C	97	0	1.1	0.0	1.1	
50		MALANPUR-AURAIYA	S/C	54	28	0.3	0.1	0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						34.2	227.8	-180.3	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	211	0.0	4.8	-4.8	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	424	984	2.8	3.3	-0.4	
55		WARDHA-NIZAMABAD	D/C	0	1426	0.0	16.1	-16.1	
56	400 kV	KOLHAPUR-KUDGI	D/C	678	0	12.0	0.0	12.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	60	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	34	0.7	0.0	0.7	
WR-SR						15.5	25.4	-9.9	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						43.5	
61		NEPAL						-4.4	
62		BANGLADESH						-26.0	