



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: 28th 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 27.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

28-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)	58609	44767	41494	21815	2925	169610
Peak Shortage (MW)	1846	0	0	0	133	1979
Energy Met (MU)	1340	1040	966	456	57	3859
Hydro Gen (MU)	366	101	111	136	19	733
Wind Gen (MU)	10	69	151	-----	-----	230
Solar Gen (MU)*	25.82	14.5	83.39	2.22	-----	126
Energy Shortage (MU)	19.2	0.0	0.0	0.0	1.6	20.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60853 22:24	46391 19:21	42952 19:09	22592 20:58	2992 19:24	172701 20:00

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	0.053	0.00	1.57	14.33	15.90	74.42	9.68

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	11243	0	256.7	138.1	-1.7	72	0.0
	Haryana	9477	63	204.4	163.6	0.7	266	2.2
	Rajasthan	10459	0	232.4	76.3	-2.9	638	0.0
	Delhi	6058	0	121.6	101.0	0.8	280	0.0
	UP	19691	890	405.5	172.0	0.1	526	7.1
	Uttarakhand	1976	35	43.6	15.3	0.7	110	0.1
	HP	1445	0	29.4	-2.7	-0.4	103	0.0
	J&K	1954	488	40.8	18.2	-0.3	224	9.7
WR	Chhattisgarh	326	0	6.1	6.4	-0.3	3	0.0
	Gujarat	3898	0	87.7	31.9	-0.3	521	0.0
	MP	14141	0	313.0	70.2	3.8	512	0.0
	Maharashtra	7687	0	169.2	82.5	-1.3	647	0.0
	Goa	19470	0	429.0	133.5	0.0	565	0.0
	DD	541	0	10.2	10.6	-1.0	36	0.0
	DNH	338	0	7.6	7.0	0.6	98	0.0
	Essar steel	799	0	18.8	18.8	0.0	130	0.0
SR	Andhra Pradesh	320	0	5.4	5.5	-0.1	306	0.0
	Telangana	8471	0	184.6	32.4	2.1	702	0.0
	Karnataka	10617	0	225.4	114.1	3.9	974	0.0
	Kerala	9395	0	182.3	33.1	-0.9	510	0.0
	Tamil Nadu	3293	0	63.4	41.3	1.1	210	0.0
	Pondy	14147	0	302.4	114.6	-1.3	600	0.0
	Bihar	400	0	8.2	8.2	0.0	35	0.0
	DVC	5658	0	111.8	109.1	-1.5	30	0.0
ER	Jharkhand	2916	0	62.6	-30.4	-1.2	100	0.0
	Odisha	1188	0	24.8	15.9	-0.4	50	0.0
	West Bengal	4379	0	88.5	24.9	2.1	400	0.0
	Sikkim	8514	0	167.1	86.3	2.7	200	0.0
	Sikkim	94	0	0.9	1.3	-0.5	5	0.0
NER	Arunachal Pradesh	124	2	2.3	2.0	0.3	67	0.0
	Assam	1896	78	37.0	32.2	0.3	160	1.5
	Manipur	172	3	2.6	2.4	0.2	37	0.0
	Meghalaya	322	0	5.2	1.2	-0.1	64	0.0
	Mizoram	92	1	1.7	0.3	0.4	54	0.0
	Nagaland	128	2	2.3	2.2	-0.2	46	0.0
	Tripura	325	14	5.6	4.3	0.9	77	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	38.8	-6.7	-25.8
Day peak (MW)	1781.1	-402.2	-1124.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.9	-258.5	29.0	-43.4	11.4	0.4
Actual(MU)	248.4	-244.0	27.7	-44.0	8.0	-3.9
O/D/U/D(MU)	-13.5	14.5	-1.3	-0.6	-3.4	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3214	16667	8082	1895	791	30649
State Sector	7535	19681	10520	7510	50	45295
Total	10749	36347	18602	9405	841	75944

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	599	1031	438	375	10	2455
Lignite	20	12	48	0	0	81
Hydro	366	101	111	136	19	733
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	35	40	16	0	21	112
RES (Wind, Solar, Biomass & Others)	53	90	276	2	0	422
Total	1101	1306	945	514	51	3916

Share of RES in total generation (%)	4.83	6.92	29.24	0.44	0.08	10.78
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.55	17.04	46.77	26.94	37.18	32.38

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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 : 28-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	224	304	0.0	2.2	-2.2	
2		SASARAM-FATEHPUR	S/C	289	88	1.5	0.0	1.5	
3		GAYA-BALIA	S/C	0	353	0.0	6.5	-6.5	
4		ALIPURDUAR-AGRA	-	0	1001	0.0	20.3	-20.3	
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	210	0.0	4.0	-4.0	
7		PUSAULI -ALLAHABAD	S/C	2	59	0.0	0.6	-0.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	853	0.0	10.5	-10.5	
9		PATNA-BALIA	Q/C	0	767	0.0	15.4	-15.4	
10		BIHARSHARIFF-BALIA	D/C	0	312	0.0	4.7	-4.7	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	283	70	2.3	0.0	2.3	
13		PUSAULI-SAHUPURI	S/C	0	210	0.0	3.6	-3.6	
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						4.3	72.5	-68.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2040	0	31.3	0.0	31.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1119	0	17.5	0.0	17.5	
20		JHARSUGUDA-DURG	D/C	407	0	5.5	0.0	5.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	434	0	7.1	0.0	7.1	
22		RANCHI-SIPAT	D/C	392	0	5.2	0.0	5.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	79	0.0	1.1	-1.1	
24		BUDHIPADAR-KORBA	D/C	191	0	2.8	0.0	2.8	
ER-WR						69.3	1.1	68.2	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1787.0	0.0	27.8	-27.8	
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	989.0	0.0	19.2	-19.2	
28	400 kV	TALCHER-I/C	D/C	138.0	429.0	0.0	4.7	-4.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.4	47.0	-39.6	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	689	0.0	11.8	-12	
31		ALIPURDUAR-BONGAIGAON	D/C	0	466	0.0	7.2	-7	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	140	0.0	2.7	-3	
ER-NER						0.0	21.7	-21.7	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	11.4	-11.4	
NER-NR						0.0	11.4	-11.4	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2000	0.0	37.0	-37.0	
35		V'CHAL B/B	D/C	363	0	9.8	0.0	9.8	
36		APL -MHG	D/C	0	1174	0.0	29.2	-29.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2504	0.0	48.4	-48.4	
38		PHAGI-GWALIOR	D/C	0	1140	0.0	19.0	-19.0	
39		JABALPUR-ORAI	D/C	0	879	0.0	32.3	-32.3	
40		GWALIOR-ORAI	S/C	385	0	7.5	0.0	7.5	
41		SATNA-ORAI	S/C	0	1324	0.0	28.0	-28.0	
42		CHITTORGARH-BANASKANTHA	D/C	0	1058	0.0	11.6	11.6	
43	400 kV	ZERDA-KANKROLI	S/C	4	187	0.0	1.9	-1.9	
44		ZERDA -BHINMAL	S/C	66	373	0.0	4.5	-4.5	
45		V'CHAL -RIHAND	S/C	974	0	24.2	0.0	24.2	
46	220 kV	RAPP-SHUJALPUR	D/C	0	391	0	3	-3	
47		BHANPURA-RANPUR	S/C	27	47	0.1	0.4	-0.3	
48		BHANPURA-MORAK	S/C	0	98	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	63	7	0.3	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	19	51	0.0	0.7	-0.7	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						41.8	216.9	-151.8	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	189	312	2.8	3.1	-0.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1305	836	5.4	0.0	5.4	
55		WARDHA-NIZAMABAD	D/C	1793	2105	0.0	28.7	-28.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	1295	0	20.9	0.0	20.9	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	66	0.0	0.0	0.0	
59		XELDEM-AMBEWADI	S/C	0	38	0.0	0.0	0.0	
WR-SR						29.0	31.7	-2.7	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						38.8	
61		NEPAL						-6.7	
62		BANGLADESH						-25.8	