



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: 26th 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., डोंगतिह, 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 25.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th August 2019, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

26-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)	51731	42448	35978	20628	2867	153652
Peak Shortage (MW)	541	0	0	0	99	640
Energy Met (MU)	1194	1001	862	426	54	3537
Hydro Gen (MU)	299	91	78	143	19	629
Wind Gen (MU)	23	61	158	-----	-----	242
Solar Gen (MU)*	25.00	15.43	79.28	1.95	0.06	122
Energy Shortage (MU)	10.1	0.0	0.0	0.0	1.4	11.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55030 00:04	44376 11:23	36654 18:58	20855 19:58	2806 19:12	156242 19:49

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	0.031	0.00	0.45	3.76	4.21	73.95	21.84

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	10391	0	239.4	133.5	-1.3	132	0.0
	Haryana	8138	0	175.1	143.0	0.2	187	0.0
	Rajasthan	10180	0	229.1	62.5	-1.2	495	0.0
	Delhi	4836	0	102.1	87.0	-1.9	275	0.0
	UP	16975	0	341.6	139.7	-1.3	847	0.0
	Uttarakhand	1683	0	37.1	11.1	-0.7	119	0.0
	HP	1171	0	25.6	-5.8	-0.8	77	0.0
	J&K	2162	541	39.5	18.8	-2.4	210	10.1
WR	Chandigarh	224	0	4.3	4.9	-0.5	9	0.0
	Chhattisgarh	3815	0	90.8	36.0	-1.4	138	0.0
	Gujarat	12851	0	290.3	64.6	3.1	580	0.0
	MP	7447	0	165.6	78.5	-4.4	543	0.0
	Maharashtra	18520	0	414.1	132.9	-0.4	517	0.0
	Goa	541	0	10.2	9.6	0.0	50	0.0
	DD	301	0	5.7	6.6	-0.9	34	0.0
	DNH	774	0	18.4	18.6	-0.1	40	0.0
SR	Essar steel	334	0	6.2	6.5	-0.3	246	0.0
	Andhra Pradesh	7163	0	166.8	18.4	0.4	481	0.0
	Telangana	9838	0	212.1	104.1	0.9	602	0.0
	Karnataka	7893	0	155.9	18.2	0.6	627	0.0
	Kerala	2899	0	58.4	40.6	1.8	253	0.0
	Tamil Nadu	11445	0	261.3	104.9	-2.2	456	0.0
	Pondy	354	0	7.4	7.5	0.0	27	0.0
	ER	Bihar	5571	0	103.1	99.9	-0.6	205
DVC		2835	0	60.3	-30.3	-0.2	350	0.0
Jharkhand		1157	0	23.0	14.8	-0.9	50	0.0
Odisha		4242	0	87.8	27.9	0.9	410	0.0
West Bengal		7561	0	151.5	63.4	3.1	500	0.0
Sikkim		71	0	0.6	1.1	-0.5	10	0.0
NER	Arunachal Pradesh	105	1	2.1	2.3	-0.1	45	0.0
	Assam	1859	85	35.1	30.2	0.5	135	1.3
	Manipur	150	3	2.4	2.3	0.1	18	0.0
	Meghalaya	309	0	5.4	1.9	-0.1	48	0.0
	Mizoram	77	2	1.8	1.2	0.2	13	0.0
	Nagaland	140	1	2.4	2.3	-0.2	39	0.0
	Tripura	295	2	4.6	4.0	0.1	73	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	40.5	-5.5	-25.8
Day peak (MW)	1804.4	-386.3	-1117.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	254.3	-221.6	11.5	-54.1	9.8	-0.1
Actual(MU)	237.3	-221.9	15.7	-43.9	11.6	-1.1
O/D/U/D(MU)	-17.0	-0.3	4.2	10.2	1.8	-1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4152	17070	9142	1895	766	33025
State Sector	8235	18194	9740	6660	50	42878
Total	12387	35263	18882	8555	816	75903

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	543	976	378	353	7	2258
Lignite	19	10	35	0	0	64
Hydro	299	91	78	143	19	629
Nuclear	27	31	55	0	0	114
Gas, Naptha & Diesel	32	39	16	0	21	108
RES (Wind, Solar, Biomass & Others)	65	81	282	2	0	430
Total	985	1228	844	498	48	3603

Share of RES in total generation (%)	6.61	6.60	33.40	0.40	0.13	11.94
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.73	16.52	49.20	29.02	39.67	32.56

H. Diversity Factor

All India Demand Diversity Factor	1.022
-----------------------------------	-------

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 :	26-Aug-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	74	370	0.0	3.4	-3.4	
2		SASARAM-FATEHPUR	S/C	163	177	0.8	0.0	0.8	
3		GAYA-BALIA	S/C	0	364	0.0	6.8	-6.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	601	0.0	15.1	-15.1	
5		PUSAULI B/B	S/C	0	196	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	190	0.0	3.7	-3.7	
7		PUSAULI -ALLAHABAD	S/C	0	94	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	988	0.0	13.4	-13.4	
9		PATNA-BALIA	Q/C	0	803	0.0	13.0	-13.0	
10		BIHARSHARIFF-BALIA	D/C	0	393	0.0	5.8	-5.8	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	175	166	1.1	0.0	1.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	166	0.0	3.0	-3.0	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.5	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	2.4	70.0	-67.6
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1649	0	26.4	0.0	26.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	996	0	16.3	0.0	16.3	
20		JHARSUGUDA-DURG	D/C	328	0	4.1	0.0	4.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	381	0	5.2	0.0	5.2	
22		RANCHI-SIPAT	D/C	332	0	3.9	0.0	3.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	90	0.0	1.2	-1.2	
24		BUDHIPADAR-KORBA	D/C	135	0	2.0	0.0	2.0	
						ER-WR	57.9	1.2	56.7
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1971.0	0.0	33.2	-33.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	310.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	986.0	0.0	11.4	-11.4	
28	400 kV	TALCHER-I/C	D/C	640.0	178.0	9.7	0.0	9.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	7.4	44.6	-37.3
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	725	0.0	11.4	-11	
31		ALIPURDUAR-BONGAIGAON	D/C	0	642	0.0	10.0	-10	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	175	0.0	2.9	-3	
						ER-NER	0.0	24.3	-24.3
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	604	0.0	13.9	-13.9	
						NER-NR	0.0	13.9	-13.9
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1002	0.0	15.5	-15.5	
35		V'CHAL B/B	D/C	362	0	9.7	0.0	9.7	
36		APL -MHG	D/C	0	1176	0.0	29.2	-29.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2396	0.0	47.5	-47.5	
38		PHAGI-GWALIOR	D/C	0	1235	0.0	22.0	-22.0	
39		JABALPUR-ORAI	D/C	0	839	0.0	33.1	-33.1	
40		GWALIOR-ORAI	S/C	417	0	8.0	0.0	8.0	
41		SATNA-ORAI	S/C	0	1291	0.0	28.4	-28.4	
42		CHITTORGARH-BANASKANTHA	D/C	0	846	0.0	11.6	11.6	
43		ZERDA-KANKROLI	S/C	56	102	0.2	0.9	-0.8	
44	400 kV	ZERDA -BHINMAL	S/C	53	228	0.1	2.1	-2.1	
45		V'CHAL -RIHAND	S/C	968	0	22.3	0.0	22.3	
46	220 kV	RAPP-SHUJALPUR	D/C	0	418	0	6	-6	
47		BHANPURA-RANPUR	S/C	0	49	0.0	0.7	-0.7	
48		BHANPURA-MORAK	S/C	0	102	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	50	17	0.4	0.1	0.3	
50	132kV	MALANPUR-AURAIYA	S/C	10	50	0.0	0.5	-0.5	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	40.6	199.4	-135.6
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	610	0.0	6.0	-6.0	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1281	606	9.7	0.0	9.7	
55		WARDHA-NIZAMABAD	D/C	0	1917	0.0	25.7	-25.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	1249	0	20.8	0.0	20.8	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	50	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	0	28	0.6	0.0	0.6	
						WR-SR	31.1	32.7	-1.7
TRANSNATIONAL EXCHANGE									
60		BHUTAN						40.5	
61		NEPAL						-5.5	
62		BANGLADESH						-25.8	