



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: 01st Sep 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 31.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-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 31st 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

1-Sep-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)	59556	45585	40406	23016	2873	171436
Peak Shortage (MW)	2402	0	75	0	147	2624
Energy Met (MU)	1385	1053	951	482	54	3925
Hydro Gen (MU)	363	100	91	134	18	707
Wind Gen (MU)	7	46	176	-----	-----	228
Solar Gen (MU)*	24.75	18.6	56.40	1.88	0.03	102
Energy Shortage (MU)	18.8	0.0	0.3	0.0	2.9	22.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61821 22:13	46568 11:41	41314 07:43	23145 21:03	2906 18:33	172541 19:30

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	0.025	0.00	0.00	3.78	3.78	78.45	17.77

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	11609	0	260.3	137.5	-1.3	93	0.0
	Haryana	10073	0	218.3	159.3	0.4	218	0.0
	Rajasthan	9738	0	214.6	49.8	-0.9	567	0.0
	Delhi	6226	0	129.7	104.4	1.1	394	0.1
	UP	20390	890	439.7	196.8	5.4	621	8.8
	Uttarakhand	2011	0	43.4	16.3	-0.2	208	0.0
	HP	1565	0	31.5	-2.3	0.5	208	0.0
	J&K	2129	532	41.7	19.5	-0.7	230	9.9
	Chandigarh	306	0	6.2	6.5	-0.3	11	0.0
WR	Chhattisgarh	4234	0	97.0	35.7	-0.3	195	0.0
	Gujarat	14599	0	323.9	70.7	5.4	711	0.0
	MP	8450	0	186.8	81.6	-3.3	411	0.0
	Maharashtra	18380	0	402.8	131.0	-3.5	454	0.0
	Goa	541	0	11.4	10.7	0.1	31	0.0
	DD	345	0	7.8	7.2	0.6	41	0.0
	DNH	787	0	18.4	18.6	-0.2	35	0.0
	Essar steel	310	0	5.0	5.4	-0.4	254	0.0
	SR	Andhra Pradesh	8249	0	182.7	40.3	0.6	498
Telangana		9656	0	205.2	100.1	-1.1	443	0.0
Karnataka		10048	0	184.8	31.7	-0.8	496	0.0
Kerala		3210	-75	66.1	43.9	2.0	217	0.3
Tamil Nadu		14131	0	303.6	105.0	-0.7	366	0.0
Pondy		389	0	8.4	8.4	0.0	30	0.0
ER	Bihar	5764	0	117.6	115.2	-2.2	90	0.0
	DVC	3041	0	63.8	-35.7	-0.2	200	0.0
	Jharkhand	1338	0	27.0	18.0	-0.4	30	0.0
	Odisha	4709	0	95.7	27.4	8.8	690	0.0
	West Bengal	8658	0	177.2	89.2	1.7	380	0.0
	Sikkim	84	0	0.9	1.3	-0.5	5	0.0
NER	Arunachal Pradesh	125	2	2.4	2.2	0.2	72	0.0
	Assam	1825	85	34.9	29.6	1.4	173	2.8
	Manipur	145	1	2.5	2.4	0.1	36	0.0
	Meghalaya	324	0	5.4	1.5	-0.1	66	0.0
	Mizoram	95	2	1.8	0.7	0.9	30	0.0
	Nagaland	126	1	2.1	2.3	-0.4	47	0.0
	Tripura	288	2	4.7	4.5	0.4	43	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.2	-6.2	-26.0
Day peak (MW)	1977.3	-375.8	-1126.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	250.6	-257.6	36.4	-41.1	11.5	-0.1
Actual(MU)	266.0	-260.5	19.5	-38.3	12.6	-0.8
O/D/U/D(MU)	15.4	-2.9	-16.9	2.7	1.1	-0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3832	16692	8682	1400	766	31372
State Sector	5305	17978	7950	6400	85	37718
Total	9137	34669	16632	7800	851	69089

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	637	1055	457	417	9	2574
Lignite	20	6	42	0	0	68
Hydro	363	100	91	134	18	707
Nuclear	27	31	56	0	0	114
Gas, Naptha & Diesel	37	62	16	0	20	136
RES (Wind, Solar, Biomass & Others)	49	69	280	2	0	400
Total	1133	1324	942	553	47	3998

Share of RES in total generation (%)	4.30	5.21	29.76	0.35	0.06	10.01
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.70	15.15	45.36	24.62	39.01	30.53

H. Diversity Factor

All India Demand Diversity Factor	1.019
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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 :	1-Sep-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	158	244	0.0	1.9	-1.9	
2		SASARAM-FATEHPUR	S/C	235	81	2.5	0.0	2.5	
3		GAYA-BALIA	S/C	0	431	0.0	6.9	-6.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	901	0.0	21.8	-21.8	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	189	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	74	0.0	0.9	-0.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	822	0.0	12.0	-12.0	
9		PATNA-BALIA	Q/C	0	739	0.0	13.6	-13.6	
10		BIHARSHARIFF-BALIA	D/C	0	348	0.0	6.0	-6.0	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	231	76	2.0	0.0	2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	218	0.0	4.1	-4.1	
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	5.0	75.9	-70.9
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1539	0	25.8	0.0	25.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1251	0	21.0	0.0	21.0	
20		JHARSUGUDA-DURG	D/C	347	0	5.5	0.0	5.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	339	59	4.5	0.0	4.5	
22		RANCHI-SIPAT	D/C	401	0	7.0	0.0	7.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	115	0.0	1.9	-1.9	
24		BUDHIPADAR-KORBA	D/C	160	0	3.0	0.0	3.0	
						ER-WR	66.8	1.9	64.9
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1642.0	0.0	29.9	-29.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	316.0	0.0	7.3	0.0	7.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	706.0	0.0	16.9	-16.9	
28	400 kV	TALCHER-I/C	D/C	565.0	0.0	9.3	0.0	9.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	7.3	46.8	-39.4
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	660	0.0	11.7	-12	
31		ALIPURDUAR-BONGAIGAON	D/C	0	506	0.0	7.4	-7	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	157	0.0	2.6	-3	
						ER-NER	0.0	21.7	-21.7
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.1	-11.1	
						NER-NR	0.0	11.1	-11.1
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2006	0.0	45.9	-45.9	
35		V'CHAL B/B	D/C	363	0	6.1	0.0	6.1	
36		APL -MHG	D/C	0	1363	0.0	29.8	-29.8	
37	765 kV	GWALIOR-AGRA	D/C	0	2797	0.0	51.8	-51.8	
38		PHAGI-GWALIOR	D/C	0	865	0.0	14.8	-14.8	
39		JABALPUR-ORAI	D/C	0	944	0.0	34.4	-34.4	
40		GWALIOR-ORAI	S/C	350	0	6.4	0.0	6.4	
41		SATNA-ORAI	S/C	0	1380	0.0	29.2	-29.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	987	0.0	9.1	9.1	
43		ZERDA-KANKROLI	S/C	26	145	0.0	1.2	-1.2	
44	400 kV	ZERDA -BHINMAL	S/C	175	195	0.2	1.9	-1.7	
45		V'CHAL -RIHAND	S/C	966	0	22.1	0.0	22.1	
46	220 kV	RAPP-SHUJALPUR	D/C	26	317	0	2	-2	
47		BHANPURA-RANPUR	S/C	34	35	0.1	0.2	-0.1	
48		BHANPURA-MORAK	S/C	0	89	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	61	7	0.4	0.0	0.4	
50	132kV	MALANPUR-AURAIYA	S/C	15	47	0.0	0.6	-0.6	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	35.3	221.7	-168.1
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	211	0.0	4.9	-4.9	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1027	633	7.1	2.1	5.0	
55		WARDHA-NIZAMABAD	D/C	0	1858	0.0	24.7	-24.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	1065	0	18.8	0.0	18.8	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	61	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	35	0.7	0.0	0.7	
						WR-SR	26.6	32.8	-6.2
TRANSNATIONAL EXCHANGE									
60		BHUTAN						41.2	
61		NEPAL						-6.2	
62		BANGLADESH						-26.0	