



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: 13thSep 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 12.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-सितंबर-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 12th Sep 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

13-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)	60384	39703	39181	21863	2695	163826
Peak Shortage (MW)	1592	0	0	92	148	1832
Energy Met (MU)	1429	941	935	452	53	3810
Hydro Gen (MU)	355	100	169	143	27	795
Wind Gen (MU)	42	92	126	-----	-----	260
Solar Gen (MU)*	27.52	11.4	63.51	2.17	0.02	105
Energy Shortage (MU)	21.3	0.0	0.1	0.3	3.1	24.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62472 14:37	42044 10:17	40851 10:40	21806 20:35	2845 18:47	165548 19:27

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	0.029	0.00	0.01	5.36	5.37	80.88	13.75

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	11564	0	264.6	135.6	-1.8	12	0.0
	Haryana	10360	0	222.6	169.5	-2.5	203	0.0
	Rajasthan	11275	0	253.0	66.0	-3.3	170	0.0
	Delhi	6502	0	137.2	113.8	-0.6	187	0.0
	UP	19847	710	426.5	219.8	-1.3	487	10.7
	Uttarakhand	1938	0	42.1	15.1	-0.4	112	0.0
	HP	1479	12	31.7	2.4	0.0	99	0.3
	J&K	2067	517	44.9	20.5	-0.4	138	10.3
WR	Chandigarh	337	0	6.7	6.9	-0.2	37	0.0
	Chhattisgarh	3733	0	84.7	27.5	-0.8	222	0.0
	Gujarat	11939	0	267.2	67.3	3.0	591	0.0
	MP	7657	0	167.9	71.9	-3.2	401	0.0
	Maharashtra	17711	0	377.8	126.0	0.6	419	0.0
	Goa	541	0	11.8	11.0	0.2	51	0.0
	DD	324	0	7.3	6.8	0.5	34	0.0
	DNH	782	0	18.5	18.5	0.0	26	0.0
SR	Essar steel	272	0	5.5	5.6	-0.1	276	0.0
	Andhra Pradesh	8255	0	183.0	26.2	0.6	476	0.0
	Telangana	9312	0	199.1	59.0	-0.2	578	0.0
	Karnataka	10392	0	194.7	45.3	-1.1	626	0.0
	Kerala	3186	0	61.2	42.9	1.1	207	0.0
	Tamil Nadu	13082	0	289.2	122.1	-2.2	524	0.0
	Pondy	346	-1	7.4	7.9	-0.5	28	0.0
	ER	Bihar	5542	0	106.4	105.0	-2.8	100
DVC		2925	0	62.2	-22.8	0.4	210	0.0
Jharkhand		1194	0	23.4	17.5	-1.3	180	0.3
Odisha		4636	0	96.5	25.4	1.6	473	0.0
West Bengal		8248	0	162.9	64.4	-0.4	250	0.0
Sikkim		87	0	1.0	1.4	-0.4	6	0.0
NER	Arunachal Pradesh	117	2	2.1	3.4	-1.3	0	0.0
	Assam	1796	74	34.1	29.5	0.5	161	3.0
	Manipur	161	2	2.4	2.2	0.1	32	0.0
	Meghalaya	327	0	5.5	1.3	-0.3	33	0.0
	Mizoram	86	1	1.8	0.3	0.5	13	0.0
	Nagaland	119	1	2.2	2.3	-0.5	57	0.0
	Tripura	303	1	4.8	4.4	0.1	67	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	40.9	-6.4	-25.5
Day peak (MW)	1811.3	-433.3	-1087.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	309.4	-252.8	9.9	-74.7	8.4	0.2
Actual(MU)	311.3	-259.2	13.7	-68.1	7.8	5.5
O/D/U/D(MU)	1.9	-6.4	3.8	6.7	-0.6	5.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3726	15485	7812	2220	953	30196
State Sector	6210	20536	10550	6010	50	43355
Total	9936	36020	18362	8230	1002	73551

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	620	919	407	397	4	2346
Lignite	18	10	45	0	0	73
Hydro	355	100	169	143	27	795
Nuclear	27	31	60	0	0	119
Gas, Naptha & Diesel	41	50	16	0	20	128
RES (Wind, Solar, Biomass & Others)	87	109	229	2	0	428
Total	1149	1220	926	542	51	3888

Share of RES in total generation (%)	7.58	8.95	24.74	0.40	0.04	11.00
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.88	19.74	49.51	26.78	53.14	34.50

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 :	13-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	189	473	0.0	5.9	-5.9	
2		SASARAM-FATEHPUR	S/C	299	75	2.3	0.0	2.3	
3		GAYA-BALIA	S/C	0	421	0.0	8.1	-8.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	1403	0.0	30.6	-30.6	
5		PUSAULI B/B	S/C	0	196	0.0	5.0	-5.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	201	0.0	3.6	-3.6	
7		PUSAULI -ALLAHABAD	S/C	0	92	0.0	1.2	-1.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	845	0.0	11.4	-11.4	
9		PATNA-BALIA	Q/C	0	1001	0.0	18.3	-18.3	
10		BIHARSHARIFF-BALIA	D/C	0	294	0.0	4.8	-4.8	
11		MOTIHARI-GORAKHPUR	D/C	0	15	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	239	151	0.4	0.0	0.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	193	0.0	3.5	-3.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3	
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	3.0	92.3	-89.3
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1008	0	12.9	0.0	12.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	843	0	13.9	0.0	13.9	
20		JHARSUGUDA-DURG	D/C	301	10	4.1	0.0	4.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	378	13	5.4	0.0	5.4	
22		RANCHI-SIPAT	D/C	363	0	6.0	0.0	6.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	114	0.0	2.0	-2.0	
24		BUDHIPADAR-KORBA	D/C	138	0	2.3	0.0	2.3	
						ER-WR	44.6	2.0	42.6
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1262.0	0.0	19.4	-19.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	316.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	495.0	0.0	12.1	-12.1	
28	400 kV	TALCHER-I/C	D/C	364.0	0.0	6.9	0.0	6.9	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	7.4	31.6	-24.2
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	818	0.0	12.9	-13	
31		ALIPURDUAR-BONGAIGAON	D/C	19	362	0.0	3.6	-4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	162	0.0	2.6	-3	
						ER-NER	0.0	19.1	-19.1
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	13.7	-13.7	
						NER-NR	0.0	13.7	-13.7
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2512	0.0	50.3	-50.3	
35		V'CHAL B/B	D/C	451	346	3.3	2.9	0.4	
36		APL -MHG	D/C	0	1742	0.0	38.2	-38.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2332	0.0	46.0	-46.0	
38		PHAGI-GWALIOR	D/C	0	1023	0.0	18.7	-18.7	
39		JABALPUR-ORAI	D/C	0	874	0.0	33.5	-33.5	
40		GWALIOR-ORAI	S/C	294	0	4.5	0.0	4.5	
41		SATNA-ORAI	S/C	0	1420	0.0	30.9	-30.9	
42		CHITTORGARH-BANASKANTHA	D/C	0	1121	0.0	11.5	11.5	
43		ZERDA-KANKROLI	S/C	72	123	0.1	1.0	-0.9	
44	400 kV	ZERDA -BHINMAL	S/C	153	104	1.0	0.3	0.7	
45		V'CHAL -RIHAND	S/C	981	0	22.9	0.0	22.9	
46	220 kV	RAPP-SHUJALPUR	D/C	0	327	0	2	-2	
47		BHANPURA-RANPUR	S/C	23	38	0.1	0.2	-0.1	
48		BHANPURA-MORAK	S/C	0	91	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	60	21	0.3	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	19	50	0.0	0.6	-0.6	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	32.2	237.5	-182.3
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	214	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	928	441	5.5	0.9	4.6	
55		WARDHA-NIZAMABAD	D/C	0	1261	0.0	17.6	-17.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	676	0	10.4	0.0	10.4	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	68	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	39	0.8	0.0	0.8	
						WR-SR	16.6	24.6	-8.0
TRANSNATIONAL EXCHANGE									
60		BHUTAN						40.9	
61		NEPAL						-6.4	
62		BANGLADESH						-25.5	