



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: 10thSep 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., डोंगतेह, 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 09.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09th Sep 2019, is available at the NLDC website.

धन्यवाद,

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

Report for previous day

Date of Reporting

10-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)	59790	43711	42190	22631	2770	171092
Peak Shortage (MW)	1181	0	0	500	160	1841
Energy Met (MU)	1352	976	963	463	53	3807
Hydro Gen (MU)	363	114	176	143	20	816
Wind Gen (MU)	8	66	186	-----	-----	259
Solar Gen (MU)*	30.60	11.98	76.18	1.96	0.02	121
Energy Shortage (MU)	22.7	0.0	0.0	1.5	2.4	26.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61372 20:25	45427 19:08	42785 19:02	22700 20:50	2761 19:52	173158 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	0.059	0.44	1.98	12.86	15.28	77.87	6.85

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	10712	0	237.2	138.5	-1.1	59	0.0
	Haryana	9924	0	214.1	158.7	0.1	172	0.0
	Rajasthan	10504	0	232.7	80.5	-3.6	193	0.0
	Delhi	6231	0	128.5	103.7	0.8	221	0.0
	UP	20146	0	421.3	220.5	1.3	535	13.0
	Uttarakhand	1965	0	42.0	16.2	0.5	211	0.0
	HP	1434	0	29.9	0.3	-0.9	38	0.2
	J&K	2051	513	40.0	19.0	-2.1	30	9.5
WR	Chandigarh	321	0	6.4	6.8	-0.5	10	0.0
	Chhattisgarh	3603	0	78.9	22.1	0.1	218	0.0
	Gujarat	12960	0	284.7	88.8	2.3	682	0.0
	MP	8174	0	174.7	80.3	-2.0	500	0.0
	Maharashtra	18265	0	395.1	121.1	-0.3	542	0.0
	Goa	541	0	11.0	10.2	0.2	81	0.0
	DD	323	0	7.1	6.8	0.4	40	0.0
	DNH	800	0	18.6	18.6	0.0	37	0.0
SR	Essar steel	321	0	6.0	5.6	0.4	325	0.0
	Andhra Pradesh	8028	0	181.9	24.8	-0.6	347	0.0
	Telangana	9271	0	200.5	51.8	-1.9	457	0.0
	Karnataka	9657	0	187.0	28.7	-2.9	796	0.0
	Kerala	3282	0	67.1	47.5	0.8	195	0.0
	Tamil Nadu	15133	0	318.2	130.6	-0.1	616	0.0
	Pondy	401	0	8.3	8.5	-0.2	28	0.0
	Bihar	5656	0	113.0	107.0	1.2	400	0.9
ER	DVC	2934	0	61.0	-26.7	-1.0	150	0.0
	Jharkhand	1285	0	25.3	15.9	0.0	120	0.0
	Odisha	4632	0	95.7	20.9	7.2	500	0.6
	West Bengal	8699	0	166.9	66.5	0.8	400	0.0
	Sikkim	100	0	1.0	1.4	-0.4	10	0.0
	Arunachal Pradesh	113	1	2.0	2.6	-0.6	4	0.0
NER	Assam	1780	110	34.2	27.6	1.3	181	2.4
	Manipur	160	2	2.4	2.5	-0.1	29	0.0
	Meghalaya	307	0	5.3	0.9	-0.3	54	0.0
	Mizoram	92	1	1.7	1.1	0.3	16	0.0
	Nagaland	136	2	2.1	2.3	-0.5	40	0.0
	Tripura	276	4	4.9	4.1	0.0	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.9	-6.3	-25.5
Day peak (MW)	1791.3	-401.0	-1105.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	310.9	-257.1	23.9	-80.4	9.4	6.7
Actual(MU)	304.4	-276.4	6.0	-35.7	8.3	6.7
O/D/U/D(MU)	-6.4	-19.2	-17.9	44.7	-1.1	0.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3700	14440	8812	1545	736	29233
State Sector	8630	19903	10773	6740	50	46095
Total	12330	34342	19585	8285	786	75328

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	560	975	355	406	8	2305
Lignite	23	9	44	0	0	76
Hydro	363	114	176	143	20	816
Nuclear	27	31	61	0	0	119
Gas, Naptha & Diesel	39	49	16	0	22	125
RES (Wind, Solar, Biomass & Others)	54	82	304	2	0	443
Total	1067	1260	955	551	50	3883

Share of RES in total generation (%)	5.11	6.54	31.83	0.36	0.04	11.41
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.69	18.04	56.57	26.28	40.35	35.47

H. Diversity Factor

All India Demand Diversity Factor	1.011
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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 : 10-Sep-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	0	443	0.0	6.3	-6.3
2		SASARAM-FATEHPUR	S/C	353	64	2.7	0.0	2.7
3		GAYA-BALIA	S/C	0	482	0.0	9.3	-9.3
4	HVDC	ALIPURDUAR-AGRA	-	0	1205	0.0	28.7	-28.7
5		PUSAULI B/B	S/C	0	196	0.0	4.7	-4.7
6	400 kV	PUSAULI-VARANASI	S/C	0	186	0.0	3.5	-3.5
7		PUSAULI -ALLAHABAD	S/C	0	82	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	719	0.0	10.9	-10.9
9		PATNA-BALIA	Q/C	0	1057	0.0	19.0	-19.0
10		BIHARSHARIFF-BALIA	D/C	0	338	0.0	6.4	-6.4
11		MOTIHARI-GORAKHPUR	D/C	0	14	0.0	0.0	0.0
12	220 kV	BIHARSHARIFF-VARANASI	D/C	138	133	0.0	0.0	0.0
13		PUSAULI-SAHUPURI	S/C	0	177	0.0	3.4	-3.4
14		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						3.1	93.3	-90.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1063	0	19.5	0.0	19.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	1474	0	22.5	0.0	22.5
20		JHARSUGUDA-DURG	D/C	306	0	4.6	0.0	4.6
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	475	0	5.6	0.0	5.6
22		RANCHI-SIPAT	D/C	496	0	7.1	0.0	7.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	105	0.0	1.7	-1.7
24		BUDHIPADAR-KORBA	D/C	133	0	2.0	0.0	2.0
ER-WR						61.3	1.7	59.6
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1491.0	0.0	23.7	-23.7
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	692.0	0.0	16.9	-16.9
28	400 kV	TALCHER-I/C	D/C	332.0	1.0	5.8	0.0	5.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						7.4	40.6	-33.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	800	0.0	13.4	-13
31		ALIPURDUAR-BONGAIGAON	D/C	15	411	0.0	4.3	-4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	174	0.0	2.8	-3
ER-NER						0.0	20.5	-20.5
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	604	0.0	13.4	-13.4
NER-NR						0.0	13.4	-13.4
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2504	0.0	44.6	-44.6
35		V'CHAL B/B	D/C	273	152	6.4	0.4	6.0
36		APL -MHG	D/C	0	1920	0.0	35.6	-35.6
37	765 kV	GWALIOR-AGRA	D/C	0	2608	0.0	49.0	-49.0
38		PHAGI-GWALIOR	D/C	0	1224	0.0	22.5	-22.5
39		JABALPUR-ORAI	D/C	0	950	0.0	37.5	-37.5
40		GWALIOR-ORAI	S/C	291	0	5.6	0.0	5.6
41		SATNA-ORAI	S/C	0	1495	0.0	31.6	-31.6
42		CHITTORGARH-BANASKANTHA	D/C	0	862	0.0	11.7	11.7
43	400 kV	ZERDA-KANKROLI	S/C	46	143	0.1	1.0	-0.9
44		ZERDA -BHINMAL	S/C	65	238	0.1	1.5	-1.4
45		V'CHAL -RIHAND	S/C	969	0	22.5	0.0	22.5
46		RAPP-SHUJALPUR	D/C	0	423	0	6	-6
47	220 kV	BHANPURA-RANPUR	S/C	1	41	0.0	0.4	-0.4
48		BHANPURA-MORAK	S/C	0	76	0.0	1.1	-1.1
49		MEHGAON-AURAIYA	S/C	35	30	0.2	0.1	0.1
50		MALANPUR-AURAIYA	S/C	0	68	0.0	0.9	-0.9
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						34.9	244.3	-186.0
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	287	410	0.0	7.2	-7.2
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1276	571	7.0	0.0	7.0
55		WARDHA-NIZAMABAD	D/C	0	1318	0.0	16.4	-16.4
56	400 kV	KOLHAPUR-KUDGI	D/C	997	0	12.9	0.0	12.9
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	63	0.0	1.1	-1.1
59		XELDEM-AMBEWADI	S/C	0	36	0.6	0.0	0.6
WR-SR						20.5	24.7	-4.2
TRANSNATIONAL EXCHANGE								
60		BHUTAN						41.9
61		NEPAL						-6.3
62		BANGLADESH						-25.5