



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: 12thSep 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 11.09.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-सितंबर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 11th Sep 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

12-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)	60701	43327	40247	22369	2911	169555
Peak Shortage (MW)	4030	0	49	0	112	4191
Energy Met (MU)	1416	986	963	473	54	3892
Hydro Gen (MU)	355	106	170	139	23	792
Wind Gen (MU)	28	68	124	-----	-----	220
Solar Gen (MU)*	29.50	12.6	75.37	1.94	0.04	119
Energy Shortage (MU)	32.2	0.0	0.5	0.0	1.3	33.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62858 22:38	45168 19:07	42565 11:40	22412 19:43	2953 19:32	170348 19:13

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	0.037	0.00	0.73	8.30	9.03	78.22	12.75

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	11147	0	255.0	135.4	-1.5	110	0.0
	Haryana	10360	0	223.2	167.5	-0.4	160	0.0
	Rajasthan	11444	0	253.5	81.4	-3.6	316	0.0
	Delhi	6575	0	134.9	106.6	1.0	261	0.1
	UP	20240	220	424.0	217.5	5.0	794	21.3
	Uttarakhand	2048	0	44.3	16.0	0.3	112	0.0
	HP	1503	0	31.6	1.3	0.9	87	0.6
	J&K	2166	541	42.9	20.8	-0.9	225	10.2
WR	Chhattisgarh	348	0	6.7	7.0	-0.2	21	0.0
	Chhattisgarh	3891	0	86.5	28.9	-1.2	419	0.0
	Gujarat	12358	0	277.2	80.6	2.9	615	0.0
	MP	8177	0	179.5	81.1	-4.9	306	0.0
	Maharashtra	18313	0	400.3	136.2	0.1	474	0.0
	Goa	541	0	11.8	11.1	0.1	34	0.0
	DD	330	0	7.3	6.8	0.5	41	0.0
	DNH	800	0	18.7	18.9	-0.2	38	0.0
SR	Essar steel	271	0	5.0	5.6	-0.6	219	0.0
	Andhra Pradesh	8569	0	186.6	30.2	0.4	644	0.1
	Telangana	9749	0	206.8	62.6	-0.3	578	0.1
	Karnataka	10184	0	189.5	37.7	-0.5	801	0.1
	Kerala	2812	-50	58.9	43.5	1.0	192	0.2
	Tamil Nadu	13680	0	313.2	135.5	0.1	724	0.1
	Pondy	390	0	7.9	8.3	-0.4	38	0.0
	Bihar	5564	0	109.1	107.7	-2.2	356	0.0
ER	DVC	2965	0	64.4	-27.9	0.3	302	0.0
	Jharkhand	1194	0	25.5	15.9	0.5	165	0.0
	Odisha	4605	0	98.5	20.3	2.2	402	0.0
	West Bengal	8707	0	174.3	69.9	3.0	455	0.0
	Sikkim	97	0	1.0	1.4	-0.3	20	0.0
NER	Arunachal Pradesh	128	1	2.2	2.9	-0.7	41	0.0
	Assam	1912	88	34.7	30.3	0.4	173	1.2
	Manipur	169	2	2.5	2.4	0.1	16	0.0
	Meghalaya	321	0	5.7	1.2	-0.3	53	0.0
	Mizoram	88	1	1.7	0.8	0.4	22	0.0
	Nagaland	126	2	2.2	2.2	-0.3	27	0.0
	Tripura	278	1	5.0	4.5	0.1	64	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.7	-6.9	-25.7
Day peak (MW)	1741.6	-385.0	-1108.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	309.7	-255.4	26.6	-82.5	8.0	6.3
Actual(MU)	308.8	-263.5	19.7	-71.5	8.9	2.5
O/D/U/D(MU)	-0.8	-8.1	-6.8	11.0	1.0	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2977	14885	8812	2010	986	29670
State Sector	6890	18932	10440	6530	50	42841
Total	9867	33816	19252	8540	1036	72511

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	601	980	414	426	8	2429
Lignite	20	8	50	0	0	78
Hydro	355	106	170	139	23	793
Nuclear	27	31	60	0	0	119
Gas, Naptha & Diesel	49	57	16	0	21	142
RES (Wind, Solar, Biomass & Others)	72	86	237	2	0	396
Total	1124	1268	946	567	51	3957

Share of RES in total generation (%)	6.40	6.75	25.02	0.34	0.08	10.01
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.38	17.60	49.35	24.79	44.31	33.04

H. Diversity Factor

All India Demand Diversity Factor	1.033
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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 : 12-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	496	0.0	7.8	-7.8	
2		SASARAM-FATEHPUR	S/C	195	89	1.4	0.0	1.4	
3		GAYA-BALIA	S/C	0	440	0.0	7.8	-7.8	
4		ALIPURDUAR-AGRA	-	0	1203	0.0	28.9	-28.9	
5		PUSAULI B/B	S/C	0	195	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	171	0.0	3.3	-3.3	
7		PUSAULI -ALLAHABAD	S/C	0	94	0.0	1.3	-1.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	812	0.0	11.3	-11.3	
9		PATNA-BALIA	Q/C	0	976	0.0	20.6	-20.6	
10		BIHARSHARIFF-BALIA	D/C	0	294	0.0	5.1	-5.1	
11		MOTIHARI-GORAKHPUR	D/C	0	10	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	130	169	0.0	0.7	-0.7	
13		PUSAULI-SAHUPURI	S/C	0	210	0.0	3.3	-3.3	
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						1.9	94.7	-92.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1056	0	19.9	0.0	19.9	
19		NEW RANCHI-DHARAMAJGARH	D/C	1074	0	15.8	0.0	15.8	
20		JHARSUGUDA-DURG	D/C	388	0	5.9	0.0	5.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	335	0	5.1	0.0	5.1	
22		RANCHI-SIPAT	D/C	353	0	6.1	0.0	6.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	116	0.0	2.0	-2.0	
24		BUDHIPADAR-KORBA	D/C	111	0	1.8	0.0	1.8	
ER-WR						54.7	2.0	52.7	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1181.0	0.0	19.7	-19.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	314.0	0.0	7.3	0.0	7.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1487.0	0.0	24.2	-24.2	
28	400 kV	TALCHER-I/C	D/C	343.0	759.0	0.0	5.2	-5.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.3	43.9	-36.5	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	760	0.0	12.4	-12	
31		ALIPURDUAR-BONGAIGAON	D/C	26	388	0.0	3.6	-4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	154	0.0	2.4	-2	
ER-NER						0.0	18.3	-18.3	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.3	-11.3	
NER-NR						0.0	11.3	-11.3	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2511	0.0	49.2	-49.2	
35		V'CHAL B/B	D/C	272	0	5.1	0.0	5.1	
36		APL -MHG	D/C	0	1921	0.0	40.1	-40.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2334	0.0	46.2	-46.2	
38		PHAGI-GWALIOR	D/C	0	1136	0.0	20.8	-20.8	
39		JABALPUR-ORAI	D/C	0	898	0.0	34.6	-34.6	
40		GWALIOR-ORAI	S/C	288	0	5.7	0.0	5.7	
41		SATNA-ORAI	S/C	0	1421	0.0	31.5	-31.5	
42		CHITTORGARH-BANASKANTHA	D/C	0	1023	0.0	9.9	9.9	
43	400 kV	ZERDA-KANKROLI	S/C	38	113	0.0	1.1	-1.1	
44		ZERDA -BHINMAL	S/C	80	91	0.3	0.5	-0.2	
45		V'CHAL -RIHAND	S/C	979	0	22.8	0.0	22.8	
46		RAPP-SHUJALPUR	D/C	0	362	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	23	46	0.1	0.3	-0.2	
48		BHANPURA-MORAK	S/C	0	90	0.0	1.4	-1.4	
49		MEHGAON-AURAIYA	S/C	56	4	0.5	0.0	0.5	
50		MALANPUR-AURAIYA	S/C	10	41	0.0	0.4	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						34.5	238.4	-184.1	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	512	0.0	7.3	-7.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1198	862	8.2	1.8	6.4	
55		WARDHA-NIZAMABAD	D/C	0	1402	0.0	15.4	-15.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	845	0	13.3	0.0	13.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	65	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	38	0.7	0.0	0.7	
WR-SR						22.2	25.8	-3.5	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						33.7	
61		NEPAL						-6.9	
62		BANGLADESH						-25.7	