



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: 13th Sept 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, 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 12.09.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-सितंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 September 2018, 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-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	50985	49339	44340	20904	2546	168114
Peak Shortage (MW)	734	0	314	550	98	1696
Energy Met (MU)	1136	1167	1005	440	45	3794
Hydro Gen (MU)	318	54	113	125	31	643
Wind Gen (MU)	45	80	35	-----	-----	160
Solar Gen (MU)*	21.34	16.7	53.49	0.88	0.01	92
Energy Shortage (MU)	10.0	0.0	0.0	0.0	1.8	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52349 19:21	52156 14:31	48279 21:33	20946 18:57	2523 19:57	169148 19:22

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	0.060	0.00	0.78	18.85	19.63	76.42	3.95

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	9300	0	208.9	113.6	-0.3	106	0.0	
	Haryana	8127	0	168.7	127.1	-0.9	181	0.0	
	Rajasthan	8769	0	201.0	36.1	-0.1	388	0.0	
	Delhi	5064	0	107.4	84.2	-0.4	214	0.0	
	UP	15901	30	338.9	151.2	-0.5	350	0.0	
	Uttarakhand	1794	0	39.1	17.6	-0.1	83	0.5	
	HP	1378	0	28.6	-1.0	2.8	214	0.0	
	J&K	2034	509	38.9	19.0	-3.8	108	9.5	
	Chandigarh	244	0	5.1	5.4	-0.3	25	0.0	
	WR	Chhattisgarh	4125	0	92.7	22.8	-2.3	248	0.0
Gujarat		15944	0	355.9	98.0	6.0	660	0.0	
MP		8206	0	180.7	71.2	0.9	887	0.0	
Maharashtra		22234	0	487.6	167.0	0.8	563	0.0	
Goa		472	0	12.8	9.4	0.3	45	0.0	
DD		354	0	7.8	7.0	0.8	94	0.0	
DNH		815	0	19.0	18.0	1.0	76	0.0	
Essar steel		496	0	10.4	10.5	-0.1	246	0.0	
SR		Andhra Pradesh	8521	0	184.2	64.9	0.8	462	0.0
		Telangana	10378	0	219.8	112.2	-0.6	472	0.0
	Karnataka	9483	0	204.3	51.1	-2.0	495	0.0	
	Kerala	3469	0	69.7	41.6	0.6	200	0.0	
	Tamil Nadu	14564	0	319.4	154.2	2.3	498	0.0	
	Pondy	356	0	8.0	7.5	0.4	54	0.0	
	ER	Bihar	5001	0	96.9	92.0	2.5	332	0.0
DVC		2807	0	56.6	-33.4	8.0	623	0.0	
Jharkhand		999	0	25.4	17.5	0.5	50	0.0	
Odisha		4571	0	92.9	29.5	-1.4	274	0.0	
West Bengal		8304	0	166.7	59.7	3.6	477	0.0	
Sikkim		86	0	1.2	1.3	-0.1	10	0.0	
NER	Arunachal Pradesh	121	2	2.2	3.1	-1.0	8	0.0	
	Assam	1645	52	27.2	20.7	1.1	234	1.6	
	Manipur	169	4	2.2	2.2	0.0	59	0.0	
	Meghalaya	298	0	5.9	-0.8	0.5	18	0.0	
	Mizoram	78	2	1.4	1.0	0.1	10	0.0	
	Nagaland	110	8	2.1	1.8	-0.1	0	0.0	
	Tripura	266	4	4.4	3.7	-0.3	57	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	37.3	-5.6	-22.2
Day peak (MW)	1546.8	-355.7	-961.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	179.3	-236.3	120.7	-56.7	-6.7	0.3
Actual(MU)	162.3	-236.3	125.5	-45.0	-9.0	-2.4
O/D/U/D(MU)	-16.9	0.0	4.8	11.7	-2.3	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4986	14347	8332	1120	426	29211
State Sector	9365	15278	6193	5895	50	36781
Total	14351	29625	14525	7015	475	65991

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	551	1188	609	381	4	2734
Hydro	318	54	113	125	31	643
Nuclear	23	27	19	0	0	69
Gas, Naptha & Diesel	26	54	22	0	22	124
RES (Wind, Solar, Biomass & Others)	80	97	130	1	0	307
Total	998	1421	894	508	57	3878

Share of RES in total generation (%)	8.04	6.81	14.50	0.18	0.03	7.93
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.24	12.54	29.33	24.88	54.42	26.29

H. Diversity Factor

All India Demand Diversity Factor	1.042
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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-18

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	265	70	2.6	0.0	2.6	
2		SASARAM-FATEHPUR	S/C	385	0	5.7	0.0	5.7	
3		GAYA-BALIA	S/C	0	180	0.0	3.0	-3.0	
4		ALIPURDUAR-AGRA	-	0	1498	0.0	33.9	-33.9	
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.5	-3.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	189	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	29	25	0.2	0.0	0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	35	492	0.0	6.4	-6.4	
9		PATNA-BALIA	Q/C	0	528	0.0	9.8	-9.8	
10		BIHARSHARIFF-BALIA	D/C	77	122	0.0	0.9	-0.9	
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.2	0.0	4.2	
12		BIHARSHARIFF-VARANASI	D/C	321	0	3.5	0.0	3.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	155	0.0	3.2	-3.2	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	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						16.6	64.4	-47.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1424	0	28.2	0.0	28.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	892	0	14.5	0.0	14.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1040	0	16.4	0.0	16.4	
21		RANCHI-SIPAT	D/C	540	0	6.4	0.0	6.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	298	0	5.2	0.0	5.2	
ER-WR						70.8	0.0	70.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1725.0	0.0	30.8	-30.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	583.0	0.0	13.8	-13.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1908.0	0.0	47.8	-47.8	
27	400 kV	TALCHER-I/C	D/C	0.0	990.0	0.0	16.0	-16.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	92.4	-92.4	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	635	0.0	10.3	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	350	88	3.4	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	133	0.0	1.4	-1	
ER-NER						3.4	11.7	-8.4	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	19.5	-19.5	
NER-NR						0.0	19.5	-19.5	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1151	0.0	24.8	-24.8	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1170	0.0	24.3	-24.3	
36		GWALIOR-AGRA	D/C	0	991	0.0	34.6	-34.6	
37	765 kV	PHAGI-GWALIOR	D/C	0	1037	0.0	19.0	-19.0	
38		JABALPUR-ORAI	D/C	142	345	0.0	8.0	-8.0	
39		GWALIOR-ORAI	S/C	307	0	6.0	0.0	6.0	
40		SATNA-ORAI	S/C	0	1836	0.0	39.6	-39.6	
41		400 kV	ZERDA-KANKROLI	S/C	456	0	6.3	0.0	6.3
42			ZERDA -BHINMAL	S/C	353	0	4.9	0.0	4.9
43			V'CHAL -RIHAND	S/C	969	0	23.6	0.0	23.6
44	RAPP-SHUJALPUR		D/C	229	130	1	0	1	
45	220 kV	BADOD-KOTA	S/C	84	0	0.7	0.1	0.7	
46		BADOD-MORAK	S/C	55	53	0.2	0.3	-0.1	
47		MEHGAON-AURAIYA	S/C	50	14	0.2	0.1	0.2	
48	132kV	MALANPUR-AURAIYA	S/C	24	34	0.1	0.4	-0.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						48.8	151.0	-102.2	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	421	1566	0.0	14.4	-14.4	
53		WARDHA-NIZAMABAD	D/C	0	2265	0.0	39.2	-39.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	781	0	10.2	0.0	10.2	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	101	1.9	0.0	1.9	
WR-SR						12.1	77.6	-65.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						37.3	
59		NEPAL						-5.6	
60		BANGLADESH						-22.2	