



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: 12<sup>th</sup> 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 11.09.2018.**

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-सितंबर-2018 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 11<sup>th</sup> 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

12-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	51350	48952	44423	21185	2504	168414
Peak Shortage (MW)	1088	0	20	350	137	1595
Energy Met (MU)	1138	1150	1027	440	46	3800
Hydro Gen (MU)	331	78	125	131	29	694
Wind Gen (MU)	38	60	34	-----	-----	132
Solar Gen (MU)*	20.74	15.51	55.59	1.48	0.02	93
Energy Shortage (MU)	11.0	0.0	0.1	0.0	1.7	12.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52312 19:53	51432 11:18	45448 14:57	21230 18:56	2525 18:37	169530 19:28

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	0.050	0.56	1.60	9.35	11.50	84.05	4.44

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	9711	0	211.9	120.3	-0.8	127	0.0
	Haryana	8205	18	170.9	135.3	0.1	95	0.6
	Rajasthan	8390	0	189.9	27.7	2.2	424	0.0
	Delhi	5037	0	104.2	81.9	0.4	136	0.0
	UP	16122	0	348.2	162.8	0.5	202	0.0
	Uttarakhand	1852	0	39.7	17.1	0.5	124	0.9
	HP	1382	0	28.9	-2.6	3.7	237	0.0
	J&K	1979	495	38.6	18.9	-3.8	143	9.5
	Chandigarh	271	0	5.3	5.6	-0.3	17	0.0
WR	Chhattisgarh	4024	0	91.1	21.1	-1.8	221	0.0
	Gujarat	15580	0	346.9	93.1	4.7	684	0.0
	MP	8292	0	175.4	68.0	-1.2	478	0.0
	Maharashtra	22614	0	486.4	149.2	2.8	571	0.0
	Goa	472	0	12.5	9.1	0.6	107	0.0
	DD	338	0	7.7	6.9	0.8	78	0.0
	DNH	810	0	18.9	18.2	0.7	67	0.0
	Essar steel	599	0	10.9	11.1	-0.3	301	0.0
	SR	Andhra Pradesh	9227	0	193.1	64.3	1.0	659
Telangana		10818	0	231.1	114.2	0.0	695	0.0
Karnataka		9405	0	206.7	51.2	0.2	479	0.0
Kerala		3451	0	68.4	37.0	1.3	213	0.0
Tamil Nadu		14350	0	320.2	157.1	1.0	816	0.0
Pondy		353	0	7.8	7.4	0.4	52	0.1
ER	Bihar	4838	0	94.4	90.9	2.2	450	0.0
	DVC	2870	0	56.0	-32.3	6.5	500	0.0
	Jharkhand	995	0	24.9	17.1	0.3	10	0.0
	Odisha	4869	0	97.9	35.9	-0.5	200	0.0
	West Bengal	8356	0	165.2	60.7	3.8	500	0.0
	Sikkim	77	0	1.1	1.1	0.0	15	0.0
NER	Arunachal Pradesh	120	3	2.2	3.2	-1.1	8	0.0
	Assam	1556	65	27.3	21.7	0.7	234	1.6
	Manipur	194	2	2.1	2.5	-0.5	59	0.0
	Meghalaya	285	0	5.8	-0.1	0.3	18	0.0
	Mizoram	78	2	1.5	1.2	-0.1	10	0.0
	Nagaland	113	5	2.3	2.1	-0.2	0	0.0
	Tripura	277	2	4.7	4.1	-0.1	57	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	35.0	-5.2	-22.2
Day peak (MW)	1460.1	-286.8	-968.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	175.2	-243.0	127.2	-59.0	-0.2	0.2
Actual(MU)	166.5	-238.3	110.6	-46.3	-4.9	-12.4
O/D/U/D(MU)	-8.7	4.7	-16.6	12.7	-4.7	-12.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4696	13937	9082	1120	522	29357
State Sector	10275	15879	6653	6195	50	39052
Total	14971	29816	15735	7315	571	68408

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	553	1161	612	382	5	2712
Hydro	331	78	125	131	29	694
Nuclear	23	27	19	0	0	69
Gas, Naptha & Diesel	25	65	22	0	20	132
RES (Wind, Solar, Biomass & Others)	71	76	131	2	0	280
Total	1003	1408	908	514	54	3887

Share of RES in total generation (%)	7.12	5.42	14.40	0.29	0.05	7.20
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.42	12.93	30.20	25.75	54.54	26.84

H. Diversity Factor

All India Demand Diversity Factor	1.020
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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-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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	281	40	2.3	0.0	2.3	
2		SASARAM-FATEHPUR	S/C	396	0	5.3	0.0	5.3	
3		GAYA-BALIA	S/C	0	223	0.0	3.0	-3.0	
4		ALIPURDUAR-AGRA	-	0	1500	0.0	34.1	-34.1	
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.4	-3.4	
6	400 kV	PUSAULI-VARANASI	S/C	0	202	0.0	3.9	-3.9	
7		PUSAULI -ALLAHABAD	S/C	40	21	0.5	0.0	0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	58	492	0.0	4.7	-4.7	
9		PATNA-BALIA	Q/C	0	657	0.0	10.9	-10.9	
10		BIHARSHARIFF-BALIA	D/C	50	136	0.0	1.1	-1.1	
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.6	0.0	4.6	
12		BIHARSHARIFF-VARANASI	D/C	328	0	3.9	0.0	3.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	159	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	0.7	0.0	0.7	
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	
<b>ER-NR</b>						<b>17.3</b>	<b>64.4</b>	<b>-47.1</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1432	0	26.2	0.0	26.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	863	0	11.8	0.0	11.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1176	0	17.5	0.0	17.5	
21		RANCHI-SIPAT	D/C	428	0	7.1	0.0	7.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	337	0	6.4	0.0	6.4	
<b>ER-WR</b>						<b>69.0</b>	<b>0.0</b>	<b>69.0</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1693.0	0.0	29.9	-29.9	
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	1904.0	0.0	45.8	-45.8	
27	400 kV	TALCHER-I/C	D/C	0.0	988.0	0.0	16.2	-16.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>89.5</b>	<b>-89.5</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	719	0.0	11.9	-12	
30		ALIPURDUAR-BONGAIGAON	D/C	319	121	3.3	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	132	0.0	1.7	-2	
<b>ER-NER</b>						<b>3.3</b>	<b>13.6</b>	<b>-10.4</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.8	-16.8	
<b>NER-NR</b>						<b>0.0</b>	<b>16.8</b>	<b>-16.8</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	26.4	-26.4	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	883	0.0	17.5	-17.5	
36	765 kV	GWALIOR-AGRA	D/C	0	990	0.0	36.7	-36.7	
37		PHAGI-GWALIOR	D/C	0	1051	0.0	18.3	-18.3	
38		JABALPUR-ORAI	D/C	60	324	0.0	8.1	-8.1	
39		GWALIOR-ORAI	S/C	295	0	5.5	0.0	5.5	
40		SATNA-ORAI	S/C	0	1856	0.0	41.5	-41.5	
41		400 kV	ZERDA-KANKROLI	S/C	360	0	5.6	0.0	5.6
42			ZERDA -BHINMAL	S/C	286	0	4.5	0.0	4.5
43	V'CHAL -RIHAND		S/C	967	0	22.5	0.0	22.5	
44	RAPP-SHUJALPUR		D/C	221	132	1	0	1	
45	220 kV	BADOD-KOTA	S/C	95	0	1.1	0.0	1.1	
46		BADOD-MORAK	S/C	59	22	0.4	0.1	0.3	
47		MEHGAON-AURAIYA	S/C	41	13	0.2	0.0	0.2	
48	132kV	MALANPUR-AURAIYA	S/C	16	38	0.0	0.4	-0.3	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>46.6</b>	<b>148.8</b>	<b>-102.3</b>	
<b>Import/Export of WR (With SR)</b>									
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	114	1296	0.0	17.1	-17.1	
53		WARDHA-NIZAMABAD	D/C	0	2424	0.0	40.7	-40.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	699	0	7.9	0.0	7.9	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	1	98	1.1	0.0	1.1	
<b>WR-SR</b>						<b>9.1</b>	<b>81.6</b>	<b>-72.5</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>35.0</b>	
59		NEPAL						<b>-5.2</b>	
60		BANGLADESH						<b>-22.2</b>	