



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: 8<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 07.09.2018.**

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-सितंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंके 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 7<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

8-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	48537	44956	43637	20783	2703	160616
Peak Shortage (MW)	809	0	320	425	119	1673
Energy Met (MU)	1118	1072	1022	413	51	3676
Hydro Gen (MU)	353	35	138		24	673
Wind Gen (MU)	23	86	185			295
Solar Gen (MU)*	16.34	12.90	56.38	0.39	0.02	86
Energy Shortage (MU)	9.9	0.0	1.1	1.3	1.2	13.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49022 19:30	47568 08:51	45150 07:19	20891 19:07	2738 18:34	162531 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	0.052	0.82	2.13	7.88	10.83	83.33	5.83

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	9932	0	215.2	125.6	-1.5	122	0.0	
	Haryana	7179	0	148.5	128.1	0.6	316	0.4	
	Rajasthan	9888	0	217.3	73.0	1.4	569	0.0	
	Delhi	4807	0	98.6	77.6	-1.8	116	0.0	
	UP	15646	0	327.0	147.5	-1.7	427	0.0	
	Uttarakhand	1930	0	41.5	18.6	1.2	124	0.1	
	HP	1363	0	28.1	-1.3	1.9	142	0.5	
	J&K	2165	541	36.5	19.3	-5.5	85	9.0	
	Chandigarh	285	0	5.2	6.2	-1.0	-11	0.0	
	WR	Chhattisgarh	3470	0	76.6	10.8	-2.3	342	0.0
Gujarat		15514	0	341.7	87.0	10.3	817	0.0	
MP		7166	0	155.0	73.9	-1.2	201	0.0	
Maharashtra		20426	0	446.7	135.9	-0.9	614	0.0	
Goa		403	0	14.4	9.2	1.5	72	0.0	
DD		349	0	7.9	6.8	1.1	116	0.0	
DNH		787	0	18.4	17.3	1.1	118	0.0	
Essar steel		539	0	10.8	10.7	0.1	183	0.0	
SR		Andhra Pradesh	8682	0	191.6	27.4	0.3	500	0.0
		Telangana	10598	0	224.8	103.9	1.2	393	0.0
	Karnataka	10090	0	206.0	49.0	0.0	437	0.0	
	Kerala	3316	250	67.9	35.5	0.4	363	1.0	
	Tamil Nadu	14445	0	324.7	101.6	1.3	495	0.0	
	Pondy	348	20	7.6	7.5	0.1	49	0.1	
ER	Bihar	4758	0	78.9	81.8	-2.9	398	0.0	
	DVC	2838	0	62.1	-26.3	1.0	402	1.3	
	Jharkhand	1050	0	18.6	15.7	-0.9	198	0.0	
	Odisha	5197	0	99.1	39.1	1.7	456	0.0	
	West Bengal	8058	0	153.0	57.7	1.9	498	0.0	
	Sikkim	89	0	1.2	1.2	-0.1	20	0.0	
NER	Arunachal Pradesh	104	2	2.0	2.3	-0.3	30	0.0	
	Assam	1754	67	32.9	26.9	1.1	92	1.1	
	Manipur	176	2	2.3	2.5	-0.3	40	0.0	
	Meghalaya	302	0	5.9	-0.4	0.4	38	0.0	
	Mizoram	79	1	1.5	1.0	0.1	19	0.0	
	Nagaland	115	1	2.4	1.8	0.2	24	0.0	
	Tripura	278	0	3.9	4.3	-0.5	47	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-3.2	-12.1	25.3
Day peak (MW)	-242.6	-497.0	1073.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	204.8	-215.5	63.6	-58.1	5.7	0.4
Actual(MU)	185.7	-210.5	74.1	-55.8	4.4	-2.2
O/D/U/D(MU)	-19.1	5.0	10.5	2.3	-1.3	-2.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5056	15871	10132	1645	505	33209
State Sector	12345	17610	8583	6515	50	45103
Total	17401	33481	18715	8160	555	78311

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	511	1091	506	375	7	2490
Hydro	353	35	138	123	24	673
Nuclear	18	27	19	0	0	65
Gas, Naptha & Diesel	24	48	21	0	18	112
RES (Wind, Solar, Biomass & Others)	53	99	282	0	0	435
Total	960	1301	966	498	50	3774

Share of RES in total generation (%)	5.53	7.65	29.18	0.08	0.08	11.52
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.25	12.41	45.47	24.78	48.46	31.08

H. Diversity Factor

All India Demand Diversity Factor	1.017
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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 : 8-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	111	266	0.0	1.9	-1.9	
2		SASARAM-FATEHPUR	S/C	267	82	2.2	0.0	2.2	
3		GAYA-BALIA	S/C	3	208	0.0	3.2	-3.2	
4		ALIPURDUAR-AGRA	-	0	609	0.0	12.7	-12.7	
5	HVDC	PUSAULI B/B	S/C	0	147	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	645	0.0	12.8	-12.8	
7		PUSAULI -ALLAHABAD	S/C	0	163	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	5	63	0.0	0.0	0.0	
9		PATNA-BALIA	Q/C	66	531	0.0	5.9	-5.9	
10		BIHARSHARIFF-BALIA	D/C	0	816	0.0	15.4	-15.4	
11		MOTIHARI-GORAKHPUR	D/C	30	203	0.0	1.6	-1.6	
12		BIHARSHARIFF-VARANASI	D/C	0	0	4.2	0.0	4.2	
13		220 kV	PUSAULI-SAHUPURI	S/C	246	102	1.5	0.0	1.5
14	132 kV	SONE NAGAR-RIHAND	S/C	0	142	0.0	2.8	-2.8	
15		GARWAH-RIHAND	S/C	0	0	0.0	0.0	0.0	
16		KARMANASA-SAHUPURI	S/C	35	0	0.4	0.0	0.4	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>8.3</b>	<b>59.9</b>	<b>-51.6</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	0.0	0.0	0.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1121	10	18.6	0.0	18.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	714	242	8.2	0.0	8.2	
21		RANCHI-SIPAT	D/C	1111	0	16.8	0.0	16.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	381	2	5.7	0.0	5.7	
23		BUDHIPADAR-KORBA	D/C	0	1	0.0	0.0	0.0	
						<b>ER-WR</b>	<b>49.2</b>	<b>0.0</b>	<b>49.2</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	0.0	0.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	1587.8	0.0	24.3	-24.3	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	465.9	0.0	11.0	-11.0	
27	400 kV	TALCHER-I/C	D/C	0.0	0.0	0.0	0.1	-0.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	1975.2	0.0	32.9	-32.9	
						<b>ER-SR</b>	<b>0.0</b>	<b>68.2</b>	<b>-68.2</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	0	0.0	0.0	0	
30		ALIPURDUAR-BONGAIGAON	D/C	0	732	0.0	13.6	-14	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	31	305	0.0	2.9	-3	
						<b>ER-NER</b>	<b>0.0</b>	<b>16.5</b>	<b>-16.5</b>
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	16.9	-16.9	
						<b>NER-NR</b>	<b>0.0</b>	<b>16.9</b>	<b>-16.9</b>
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	18.9	-18.9	
34		V'CHAL B/B	D/C	0	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	0	0.0	25.2	-25.2	
36		GWALIOR-AGRA	D/C	0	0	0.0	35.4	-35.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	26.1	-26.1	
38		JABALPUR-ORAI	D/C	0	0	0.0	13.8	-13.8	
39		GWALIOR-ORAI	S/C	0	0	7.7	0.0	7.7	
40		SATNA-ORAI	S/C	0	0	0.0	38.4	-38.4	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	5.1	0.0	5.1
42			ZERDA -BHINMAL	S/C	0	0	2.7	0.0	2.7
43	V'CHAL -RIHAND		S/C	0	0	21.4	0.0	21.4	
44	RAPP-SHUJALPUR		D/C	0	0	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	0	0	0.4	0.3	0.1	
46		BADOD-MORAK	S/C	0	0	0.1	0.5	-0.4	
47		MEHGAON-AURAIYA	S/C	0	0	0.3	0.0	0.2	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.1	0.4	-0.3	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>43.8</b>	<b>161.0</b>	<b>-117.2</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	21.3	-21.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	3.7	0.0	3.7	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	24.8	-24.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	9.7	0.0	9.7	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	0	1.8	0.0	1.8	
						<b>WR-SR</b>	<b>15.2</b>	<b>46.1</b>	<b>-30.9</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>-3.2</b>	
59		NEPAL						<b>-12.1</b>	
60		BANGLADESH						<b>25.3</b>	