



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: 16<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 15.09.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15<sup>th</sup> September 2018, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	52349	50938	43952	20719	2637	170595
Peak Shortage (MW)	805	0	544	300	114	1763
Energy Met (MU)	1187	1172	1001	453	49	3862
Hydro Gen (MU)	278	47	109	121	31	586
Wind Gen (MU)	21	34	54	-----	-----	108
Solar Gen (MU)*	21.46	19.48	60.74	0.95	0.02	103
Energy Shortage (MU)	11.5	0.3	1.4	0.9	1.1	15.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53539 19:54	55600 11:40	44076 19:13	21135 20:58	2649 20:12	171837 19:20

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	0.144	0.71	8.09	33.45	42.25	55.24	2.51

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	9693	0	212.3	108.3	-0.5	145	0.0	
	Haryana	8512	0	175.9	119.0	1.8	296	0.3	
	Rajasthan	9859	0	216.7	59.8	-0.7	299	0.0	
	Delhi	4856	0	103.2	80.6	-0.2	216	0.0	
	UP	16825	0	368.8	165.9	0.7	358	2.4	
	Uttarakhand	1860	75	40.3	17.8	1.1	150	0.2	
	HP	1450	0	28.7	2.0	5.1	449	0.0	
	J&K	1989	497	36.3	18.7	0.9	317	8.6	
	Chandigarh	236	0	5.0	5.3	-0.3	20	0.0	
	WR	Chhattisgarh	4365	0	99.6	27.7	-0.8	452	0.2
Gujarat		17229	0	375.7	115.4	6.4	736	0.0	
MP		9017	0	199.5	80.1	1.8	425	0.0	
Maharashtra		22602	0	449.1	159.7	0.9	1003	0.1	
Goa		425	0	11.7	7.7	1.4	92	0.0	
DD		343	0	7.6	5.9	1.7	113	0.0	
DNH		782	0	18.3	17.2	1.2	88	0.0	
Essar steel		496	0	10.4	10.9	-0.4	249	0.0	
SR		Andhra Pradesh	8578	0	185.0	46.4	1.7	661	0.0
		Telangana	10511	0	228.6	107.7	1.0	392	0.0
	Karnataka	9740	0	203.7	49.9	-2.8	436	0.0	
	Kerala	3449	100	70.2	44.6	0.6	308	0.7	
	Tamil Nadu	13962	0	305.5	134.8	-1.2	430	0.0	
	Pondy	360	15	7.8	7.6	0.3	62	0.8	
	ER	Bihar	5009	0	99.3	95.2	3.6	220	0.0
DVC		2881	-1	58.1	-28.3	3.0	225	0.9	
Jharkhand		965	0	25.2	17.5	-0.2	56	0.0	
Odisha		4761	0	107.6	38.1	-2.1	220	0.0	
West Bengal		8192	0	165.1	58.8	5.8	225	0.0	
Sikkim		83	0	1.1	1.0	0.1	12	0.0	
NER	Arunachal Pradesh	124	1	2.3	3.0	-0.7	8	0.0	
	Assam	1707	50	30.6	22.9	1.8	234	1.0	
	Manipur	184	2	2.3	2.3	0.0	59	0.0	
	Meghalaya	271	0	4.8	-0.7	0.2	18	0.0	
	Mizoram	78	2	1.5	0.9	0.3	10	0.0	
	Nagaland	108	2	2.4	1.8	0.2	0	0.0	
	Tripura	271	1	4.9	3.5	0.6	57	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	35.5	-4.7	-22.4
Day peak (MW)	1553.2	-259.0	-983.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	204.9	-196.3	43.9	-42.7	-9.4	0.3
Actual(MU)	202.1	-198.3	40.3	-31.8	-10.7	1.6
O/D/U/D(MU)	-2.8	-1.9	-3.6	10.9	-1.3	1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4265	15113	7242	1620	183	28423
State Sector	9920	14735	5473	5715	50	35893
Total	14185	29848	12715	7335	233	64315

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	625	1419	645	390	8	3088
Hydro	278	47	109	121	31	586
Nuclear	23	27	37	0	0	87
Gas, Naptha & Diesel	28	84	24	0	23	158
RES (Wind, Solar, Biomass & Others)	56	55	156	1	0	267
Total	1010	1631	970	513	62	4186

Share of RES in total generation (%)	5.53	3.35	16.03	0.19	0.08	6.38
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.38	7.89	31.00	23.86	49.72	22.46

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 : 16-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	56	237	0.0	1.4	-1.4	
2		SASARAM-FATEHPUR	S/C	346	0	4.6	0.0	4.6	
3		GAYA-BALIA	S/C	0	266	0.0	4.1	-4.1	
4		ALIPURDUAR-AGRA	-	0	1502	0.0	33.7	-33.7	
5	400 kV	PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	166	0.0	3.4	-3.4	
7		PUSAULI -ALLAHABAD	S/C	5	53	0.0	0.2	-0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	646	0.0	9.4	-9.4	
9		PATNA-BALIA	Q/C	0	606	0.0	11.6	-11.6	
10		BIHARSHARIFF-BALIA	D/C	52	145	0.0	1.7	-1.7	
11		MOTIHARI-GORAKHPUR	D/C	257	0	4.0	0.0	4.0	
12		BIHARSHARIFF-VARANASI	D/C	246	9	2.1	0.0	2.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	170	0.0	3.5	-3.5
14			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		132 kV	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>11.3</b>	<b>72.6</b>	<b>-61.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	833	0	12.2	0.0	12.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	871	0	12.6	0.0	12.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	878	0	12.5	0.0	12.5	
21		RANCHI-SIPAT	D/C	515	0	8.1	0.0	8.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	247	0	4.3	0.0	4.3	
<b>ER-WR</b>						<b>49.7</b>	<b>0.0</b>	<b>49.7</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1422.0	0.0	23.1	-23.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	579.0	0.0	13.8	-13.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1344.0	0.0	24.7	-24.7	
27	400 kV	TALCHER-I/C	D/C	25.0	295.0	18.1	0.0	18.1	
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>61.5</b>	<b>-61.5</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	671	0.0	8.6	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	446	0	6.7	0.0	7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	9	119	0.0	1.8	-2	
<b>ER-NER</b>						<b>6.7</b>	<b>10.4</b>	<b>-3.7</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.7	-15.7	
<b>NER-NR</b>						<b>0.0</b>	<b>15.7</b>	<b>-15.7</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1000	0.0	24.1	-24.1	
34		V'CHAL B/B	D/C	243	0	4.8	0.0	4.8	
35		APL -MHG	D/C	0	979	0.0	24.2	-24.2	
36		GWALIOR-AGRA	D/C	0	1169	0.0	41.9	-41.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	1239	0.0	24.0	-24.0	
38		JABALPUR-ORAI	D/C	0	548	0.0	16.9	-16.9	
39		GWALIOR-ORAI	S/C	392	0	8.3	0.0	8.3	
40		SATNA-ORAI	S/C	0	1868	0.0	39.2	-39.2	
41		400 kV	ZERDA-KANKROLI	S/C	384	0	5.3	0.0	5.3
42			ZERDA -BHINMAL	S/C	278	45	3.0	0.0	3.0
43	V'CHAL -RIHAND		S/C	965	0	23.0	0.0	23.0	
44	RAPP-SHUJALPUR		D/C	77	296	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	61	15	0.8	0.0	0.8	
46		BADOD-MORAK	S/C	45	23	0.2	0.1	0.1	
47		MEHGAON-AURAIYA	S/C	51	3	0.4	0.0	0.4	
48	132kV	MALANPUR-AURAIYA	S/C	21	28	0.0	0.3	-0.3	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>45.7</b>	<b>172.0</b>	<b>-126.3</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	985	0.0	22.0	-22.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1036	352	6.2	0.0	6.2	
53		WARDHA-NIZAMABAD	D/C	0	1662	0.0	24.6	-24.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	932	0	16.2	0.0	16.2	
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	1	90	1.8	0.0	1.8	
<b>WR-SR</b>						<b>24.3</b>	<b>46.5</b>	<b>-22.3</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>35.5</b>	
59		NEPAL						<b>-4.7</b>	
60		BANGLADESH						<b>-22.4</b>	