



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: 27<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 26.09.2018.**

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26<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 27-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	46676	50827	42446	20212	2615	162776
Peak Shortage (MW)	799	521	136	1064	133	2653
Energy Met (MU)	973	1208	951	447	46	3625
Hydro Gen (MU)	293	51	97	107	27	575
Wind Gen (MU)	11	28	18	-----	-----	57
Solar Gen (MU)*	22.07	21.41	51.62	0.51	0.02	96
Energy Shortage (MU)	10.2	2.3	0.1	3.2	1.5	17.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47964 19:17	53162 12:49	42493 11:26	21461 21:08	2683 18:25	164797 18:50

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	0.032	0.00	0.08	6.50	6.59	82.45	10.96

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	5903	0	127.4	53.8	-1.8	116	0.0	
	Haryana	6604	64	119.1	105.6	0.5	138	0.6	
	Rajasthan	9224	0	200.6	47.1	1.7	392	0.0	
	Delhi	4151	0	83.6	65.0	-1.9	40	0.0	
	UP	16026	650	333.0	152.7	1.3	405	0.0	
	Uttarakhand	1849	80	38.1	15.6	0.6	297	0.1	
	HP	1382	0	27.1	5.8	0.6	239	0.0	
	J&K	1740	435	39.9	23.4	-5.6	37	9.5	
	Chandigarh	211	0	4.1	4.2	-0.2	43	0.0	
	WR	Chhattisgarh	4094	0	95.6	29.4	2.0	363	2.1
Gujarat		16763	0	380.6	104.5	4.3	952	0.0	
MP		8926	0	194.3	83.8	0.3	546	0.0	
Maharashtra		22469	34	489.9	181.3	1.4	579	0.2	
Goa		460	0	12.3	9.3	-0.2	46	0.0	
DD		319	0	6.5	5.3	1.3	137	0.0	
DNH		803	0	18.7	17.7	0.9	124	0.0	
Essar steel		526	0	10.1	9.6	0.5	290	0.0	
SR		Andhra Pradesh	8056	0	172.5	43.5	4.2	674	0.0
		Telangana	9989	0	208.7	108.7	1.4	499	0.0
	Karnataka	8282	0	172.4	44.1	1.7	720	0.0	
	Kerala	3653	0	72.0	43.7	1.0	219	0.0	
	Tamil Nadu	14310	0	317.8	173.5	2.1	670	0.0	
	Pondy	344	0	7.6	7.5	0.1	26	0.1	
ER	Bihar	5306	0	99.8	97.1	1.7	50	0.0	
	DVC	3103	-2	59.5	-19.5	2.0	250	2.0	
	Jharkhand	996	0	24.2	16.4	0.4	105	0.0	
	Odisha	4442	-1	90.7	24.7	5.6	340	1.2	
	West Bengal	8447	0	172.1	75.5	1.9	250	0.0	
	Sikkim	82	0	0.8	-0.1	0.8	50	0.0	
NER	Arunachal Pradesh	109	2	2.2	2.9	-0.6	15	0.0	
	Assam	1686	82	28.5	23.0	0.8	198	1.4	
	Manipur	164	6	2.2	2.5	-0.3	17	0.0	
	Meghalaya	302	0	4.8	1.6	-0.1	100	0.0	
	Mizoram	78	4	1.7	1.1	0.3	24	0.0	
	Nagaland	114	6	2.2	1.8	0.0	21	0.0	
	Tripura	273	1	4.6	4.2	-0.4	48	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	25.8	-4.9	-22.2
Day peak (MW)	1570.4	-204.0	-967.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	107.9	-167.8	79.0	-17.0	-2.2	-0.1
Actual(MU)	75.6	-169.1	92.8	0.3	-4.3	-4.7
O/D/U/D(MU)	-32.3	-1.3	13.8	17.4	-2.1	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3544	15557	5242	1350	402	26095
State Sector	10750	13270	7450	6515	50	38035
Total	14294	28827	12692	7865	451	64129

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	519	1187	614	374	4	2698
Hydro	293	51	97	107	26	575
Nuclear	24	27	24	0	0	75
Gas, Naptha & Diesel	34	81	25	0	24	163
RES (Wind, Solar, Biomass & Others)	52	50	108	1	0	211
Total	923	1396	868	482	54	3723

Share of RES in total generation (%)	5.67	3.59	12.50	0.11	0.04	5.68
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.01	9.22	26.42	22.41	49.03	23.15

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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 : 27-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	510	0	6.9	0.0	6.9	
2		SASARAM-FATEHPUR	S/C	527	0	10.1	0.0	10.1	
3		GAYA-BALIA	S/C	50	194	0.0	1.7	-1.7	
4		ALIPURDUAR-AGRA	-	0	700	0.0	16.3	-16.3	
5	400 kV	PUSAULI B/B	S/C	0	398	0.0	9.8	-9.8	
6		PUSAULI-VARANASI	S/C	0	341	0.0	7.6	-7.6	
7		PUSAULI -ALLAHABAD	S/C	0	118	0.0	2.0	-2.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	157	360	0.0	1.6	-1.6	
9		PATNA-BALIA	Q/C	0	288	0.0	4.1	-4.1	
10		BIHARSHARIFF-BALIA	D/C	97	29	1.0	0.0	1.0	
11		MOTIHARI-GORAKHPUR	D/C	243	0	5.8	0.0	5.8	
12		BIHARSHARIFF-VARANASI	D/C	400	0	6.9	0.0	6.9	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	195	0.0	4.1	-4.1
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>31.2</b>	<b>47.1</b>	<b>-15.9</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1401	0	28.5	0.0	28.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	924	0	13.6	0.0	13.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1034	0	16.9	0.0	16.9	
21		RANCHI-SIPAT	D/C	518	0	8.5	0.0	8.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	230	0	3.8	0.0	3.8	
<b>ER-WR</b>						<b>71.3</b>	<b>0.0</b>	<b>71.3</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1665.0	0.0	30.1	-30.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	467.0	0.0	9.6	-9.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1893.0	0.0	44.1	-44.1	
27	400 kV	TALCHER-I/C	D/C	0.0	912.0	0.0	12.4	-12.4	
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>83.8</b>	<b>-83.8</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	1112	242	0.0	8.3	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	152	335	0.0	1.0	-1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	139	0.0	1.5	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>10.7</b>	<b>-10.7</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	16.6	-16.6	
<b>NER-NR</b>						<b>0.0</b>	<b>16.6</b>	<b>-16.6</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1360	0.0	10.0	-10.0	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1170	0.0	25.2	-25.2	
36		GWALIOR-AGRA	D/C	0	816	0.0	21.2	-21.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	885	0.0	10.5	-10.5	
38		JABALPUR-ORAI	D/C	256	334	0.0	2.6	-2.6	
39		GWALIOR-ORAI	S/C	327	0	5.9	0.0	5.9	
40		SATNA-ORAI	S/C	0	1461	0.0	29.3	-29.3	
41		400 kV	ZERDA-KANKROLI	S/C	467	0	7.4	0.0	7.4
42			ZERDA -BHINMAL	S/C	364	38	4.4	0.0	4.4
43	V'CHAL -RIHAND		S/C	481	0	11.0	0.0	11.0	
44	RAPP-SHUJALPUR		D/C	327	118	2	0	2	
45	220 kV	BADOD-KOTA	S/C	88	0	1.6	0.0	1.6	
46		BADOD-MORAK	S/C	72	8	0.7	0.0	0.7	
47		MEHGAON-AURAIYA	S/C	113	0	1.6	0.0	1.6	
48	132kV	MALANPUR-AURAIYA	S/C	80	0	1.0	0.0	1.0	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>41.3</b>	<b>98.7</b>	<b>-57.4</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	999	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	455	727	0.0	1.8	-1.8	
53		WARDHA-NIZAMABAD	D/C	0	2017	0.0	31.4	-31.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	1030	0	17.0	0.0	17.0	
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	107	2.0	0.0	2.0	
<b>WR-SR</b>						<b>19.1</b>	<b>57.1</b>	<b>-38.0</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>25.8</b>	
59		NEPAL						<b>-4.9</b>	
60		BANGLADESH						<b>-22.2</b>	