



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: 28<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 27.09.2018.**

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27<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 28-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	47578	51611	42667	20308	2641	164805
Peak Shortage (MW)	1138	11	20	1023	136	2328
Energy Met (MU)	1007	1218	940	462	48	3675
Hydro Gen (MU)	287	60	100	107	26	580
Wind Gen (MU)	10	17	14	-----	-----	42
Solar Gen (MU)*	18.45	20.21	59.22	0.90	0.02	99
Energy Shortage (MU)	10.4	0.3	0.1	0.0	1.3	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48678 19:21	53448 14:29	42718 19:18	21388 22:20	2748 18:28	166570 19:03

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	0.053	0.00	0.89	12.85	13.74	74.41	11.85

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	6174	0	136.8	39.9	-0.7	109	0.0	
	Haryana	6484	425	126.0	105.3	0.9	244	1.0	
	Rajasthan	9250	0	202.8	51.2	0.2	393	0.0	
	Delhi	4266	0	88.4	66.5	-1.5	79	0.0	
	UP	16322	260	345.2	158.4	0.3	223	0.3	
	Uttarakhand	1898	0	38.6	15.6	0.3	83	0.0	
	HP	1337	0	26.1	5.8	1.3	234	0.1	
	J&K	1937	484	38.6	25.0	-3.4	133	8.9	
	Chandigarh	222	0	4.3	5.2	-0.9	-5	0.0	
	WR	Chhattisgarh	4390	0	99.3	33.9	-1.7	318	0.0
Gujarat		17050	0	383.9	121.4	3.4	734	0.0	
MP		9078	0	197.4	83.0	3.4	420	0.0	
Maharashtra		22244	41	488.8	182.6	1.2	654	0.3	
Goa		460	0	12.3	9.5	-0.3	151	0.0	
DD		313	0	7.0	5.3	1.7	101	0.0	
DNH		794	0	18.6	17.5	1.1	177	0.0	
Essar steel		520	0	10.9	10.6	0.3	253	0.0	
SR		Andhra Pradesh	7846	0	170.5	57.6	2.7	603	0.0
		Telangana	9620	0	209.0	92.2	2.6	474	0.0
	Karnataka	8612	0	167.6	38.8	-0.3	527	0.0	
	Kerala	3500	0	70.8	44.0	0.9	174	0.0	
	Tamil Nadu	13814	0	314.2	173.6	3.1	1217	0.0	
	Pondy	358	10	7.5	7.5	0.0	49	0.1	
ER	Bihar	5015	0	101.8	98.8	0.6	80	0.0	
	DVC	2785	0	58.5	-21.5	5.2	450	0.0	
	Jharkhand	1000	0	25.1	16.6	1.0	140	0.0	
	Odisha	4742	0	96.7	28.1	5.3	850	0.0	
	West Bengal	8596	0	179.0	72.1	3.0	350	0.0	
	Sikkim	86	0	1.1	0.2	0.9	60	0.0	
NER	Arunachal Pradesh	128	3	2.3	2.5	-0.1	49	0.0	
	Assam	1698	87	30.0	23.6	1.5	193	1.2	
	Manipur	165	5	2.4	2.3	0.1	31	0.0	
	Meghalaya	300	0	5.3	1.4	-0.1	58	0.0	
	Mizoram	77	4	1.6	0.8	0.5	25	0.0	
	Nagaland	125	4	2.1	1.6	0.2	47	0.0	
	Tripura	281	3	4.6	3.9	0.1	115	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	23.8	-4.6	-22.0
Day peak (MW)	1087.9	-222.0	-963.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	101.0	-152.3	70.9	-16.6	-2.6	0.4
Actual(MU)	89.3	-179.2	81.6	9.9	-1.3	0.3
O/D/U/D(MU)	-11.7	-26.9	10.7	26.5	1.3	-0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2814	15397	5742	1560	402	25914
State Sector	10430	13237	7210	6055	50	36982
Total	13244	28634	12952	7615	451	62896

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	561	1188	603	373	4	2729
Hydro	287	60	100	107	26	580
Nuclear	23	27	30	0	0	80
Gas, Naptha & Diesel	49	72	25	0	23	169
RES (Wind, Solar, Biomass & Others)	47	38	113	1	0	199
Total	967	1386	870	481	53	3756

Share of RES in total generation (%)	4.86	2.74	13.02	0.20	0.08	5.30
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.97	9.06	27.86	22.45	48.68	22.87

H. Diversity Factor

All India Demand Diversity Factor	1.014
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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 : 28-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	513	0	6.9	0.0	6.9	
2		SASARAM-FATEHPUR	S/C	545	0	10.0	0.0	10.0	
3		GAYA-BALIA	S/C	26	127	0.0	1.1	-1.1	
4		ALIPURDUAR-AGRA	-	0	699	0.0	13.3	-13.3	
5	400 kV	PUSAULI B/B	S/C	0	398	0.0	9.5	-9.5	
6		PUSAULI-VARANASI	S/C	0	346	0.0	7.6	-7.6	
7		PUSAULI -ALLAHABAD	S/C	0	121	0.0	1.9	-1.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	176	360	0.0	1.3	-1.3	
9		PATNA-BALIA	Q/C	0	329	0.0	3.8	-3.8	
10		BIHARSHARIFF-BALIA	D/C	136	61	1.5	0.0	1.5	
11		MOTIHARI-GORAKHPUR	D/C	203	0	5.5	0.0	5.5	
12		BIHARSHARIFF-VARANASI	D/C	444	0	7.3	0.0	7.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	198	0.0	3.9	-3.9	
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		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>31.9</b>	<b>42.5</b>	<b>-10.6</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1526	0	27.8	0.0	27.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	931	0	12.1	0.0	12.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1153	0	17.1	0.0	17.1	
21		RANCHI-SIPAT	D/C	759	0	8.6	0.0	8.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	255	0	3.6	0.0	3.6	
<b>ER-WR</b>						<b>69.2</b>	<b>0.0</b>	<b>69.2</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1555.0	0.0	27.3	-27.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	369.0	0.0	8.6	-8.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1918.0	0.0	45.4	-45.4	
27	400 kV	TALCHER-I/C	D/C	0.0	1144.0	0.0	17.1	-17.1	
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>81.3</b>	<b>-81.3</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	1200	727	0.0	8.9	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	173	687	0.0	2.1	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	175	0.0	1.8	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>12.8</b>	<b>-12.8</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	1280	0.0	16.1	-16.1	
<b>NER-NR</b>						<b>0.0</b>	<b>16.1</b>	<b>-16.1</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	900	0.0	7.7	-7.7	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1917	0.0	38.7	-38.7	
36		GWALIOR-AGRA	D/C	0	668	0.0	18.9	-18.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	669	0.0	8.9	-8.9	
38		JABALPUR-ORAI	D/C	271	199	0.0	3.2	-3.2	
39		GWALIOR-ORAI	S/C	392	0	7.2	0.0	7.2	
40		SATNA-ORAI	S/C	0	1744	0.0	35.1	-35.1	
41		400 kV	ZERDA-KANKROLI	S/C	573	0	10.3	0.0	10.3
42			ZERDA -BHINMAL	S/C	390	0	6.9	0.0	6.9
43	V'CHAL -RIHAND		S/C	477	0	11.2	0.0	11.2	
44	RAPP-SHUJALPUR		D/C	345	36	2	0	2	
45	220 kV	BADOD-KOTA	S/C	103	0	2.0	0.0	2.0	
46		BADOD-MORAK	S/C	80	0	0.9	0.0	0.9	
47		MEHGAON-AURAIYA	S/C	138	0	2.1	0.0	2.1	
48	132kV	MALANPUR-AURAIYA	S/C	102	0	1.4	0.0	1.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>49.9</b>	<b>112.6</b>	<b>-62.7</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	866	350	3.7	0.0	3.7	
53		WARDHA-NIZAMABAD	D/C	0	1670	0.0	27.4	-27.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	1020	0	18.0	0.0	18.0	
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	108	2.0	0.0	2.0	
<b>WR-SR</b>						<b>23.7</b>	<b>51.3</b>	<b>-27.5</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>23.8</b>	
59		NEPAL						<b>-4.6</b>	
60		BANGLADESH						<b>-22.0</b>	