



**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: 26<sup>th</sup> Sept 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. 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
3. 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
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 25.09.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-सितंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 25<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

26-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	43958	51197	43501	20524	2520	161700
Peak Shortage (MW)	623	0	355	770	171	1919
Energy Met (MU)	915	1106	978	450	46	3497
Hydro Gen (MU)	299	62	102	118	28	608
Wind Gen (MU)	15	44	17	-----	-----	77
Solar Gen (MU)*	20.39	19.15	56.46	0.95	0.02	97
Energy Shortage (MU)	10.6	0.4	0.6	2.3	2.0	15.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44815 19:23	54107 17:21	43548 19:04	21517 22:52	2624 18:26	163364 19:04

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	0.045	0.00	0.47	12.87	13.34	76.78	9.87

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	4904	0	112.2	59.2	-0.6	175	0.0	
	Haryana	6181	0	110.5	100.4	-0.2	258	0.0	
	Rajasthan	8789	0	192.1	35.7	2.7	453	0.0	
	Delhi	3965	8	81.0	62.9	-1.4	195	0.8	
	UP	15732	140	314.8	146.5	-0.1	429	0.0	
	Uttarakhand	1737	80	34.6	16.4	1.6	327	0.2	
	HP	1297	0	25.6	5.2	-0.5	71	0.0	
	J&K	1898	475	40.9	22.8	-4.0	108	9.6	
	Chandigarh	201	0	3.8	4.3	-0.5	15	0.0	
	WR	Chhattisgarh	4176	0	94.4	25.8	0.8	336	0.4
Gujarat		16499	0	376.8	116.0	2.4	429	0.0	
MP		8878	0	189.8	81.8	1.9	659	0.0	
Maharashtra		22296	0	485.2	166.9	4.5	1020	0.0	
Goa		460	0	12.9	9.5	0.3	47	0.0	
DD		324	0	7.4	6.1	1.3	87	0.0	
DNH		798	0	18.7	18.1	0.7	123	0.0	
Essar steel		545	0	11.2	11.0	0.3	296	0.0	
SR		Andhra Pradesh	8439	0	178.1	46.9	4.9	725	0.0
		Telangana	10059	0	218.4	108.0	3.0	641	0.0
	Karnataka	8999	0	192.0	45.3	0.2	437	0.0	
	Kerala	3603	120	70.6	43.5	0.7	211	0.5	
	Tamil Nadu	14624	0	312.6	177.7	-1.1	450	0.0	
	Pondy	342	20	6.8	7.0	-0.2	36	0.1	
ER	Bihar	5304	1	97.6	97.1	0.0	50	1.2	
	DVC	2925	1	59.9	-20.9	5.7	450	1.1	
	Jharkhand	1013	0	24.6	17.4	0.1	100	0.0	
	Odisha	4539	0	96.1	31.2	1.9	250	0.0	
	West Bengal	8582	0	170.8	72.2	3.6	300	0.0	
	Sikkim	93	0	1.1	1.3	-0.1	10	0.0	
NER	Arunachal Pradesh	104	7	2.4	3.2	-0.9	6	0.0	
	Assam	1688	60	27.8	22.3	0.0	227	1.8	
	Manipur	134	1	2.3	2.8	-0.4	37	0.0	
	Meghalaya	278	3	5.1	2.2	-0.3	89	0.0	
	Mizoram	68	3	1.7	1.3	0.0	10	0.0	
	Nagaland	121	4	2.4	2.0	0.0	19	0.0	
	Tripura	239	3	4.7	4.3	-0.5	34	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	27.0	-4.8	-20.9
Day peak (MW)	1609.6	-216.0	-950.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	88.2	-162.8	92.4	-18.0	0.3	0.0
Actual(MU)	67.4	-177.0	104.4	4.1	-4.7	-5.8
O/D/U/D(MU)	-20.8	-14.2	12.1	22.1	-5.0	-5.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3870	14936	6442	1350	368	26966
State Sector	12860	12988	5840	6515	50	38253
Total	16730	27924	12282	7865	418	65219

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	474	1078	630	365	4	2551
Hydro	299	62	102	118	28	608
Nuclear	23	27	19	0	0	70
Gas, Naptha & Diesel	31	52	25	0	22	130
RES (Wind, Solar, Biomass & Others)	55	64	111	1	0	231
Total	882	1283	887	484	54	3590

Share of RES in total generation (%)	6.27	5.00	12.46	0.24	0.07	6.44
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.82	11.93	26.13	24.55	50.98	25.31

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 : 26-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	551	0	8.5	0.0	8.5	
2		SASARAM-FATEHPUR	S/C	566	0	10.3	0.0	10.3	
3		GAYA-BALIA	S/C	74	153	0.0	0.5	-0.5	
4		ALIPURDUAR-AGRA	-	0	1000	0.0	21.0	-21.0	
5	400 kV	PUSAULI B/B	S/C	0	398	0.0	9.5	-9.5	
6		PUSAULI-VARANASI	S/C	0	349	0.0	7.6	-7.6	
7		PUSAULI -ALLAHABAD	S/C	0	118	0.0	1.7	-1.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	190	287	0.0	1.2	-1.2	
9		PATNA-BALIA	Q/C	32	428	0.0	2.5	-2.5	
10		BIHARSHARIFF-BALIA	D/C	140	29	1.4	0.0	1.4	
11		MOTIHARI-GORAKHPUR	D/C	327	0	5.5	0.0	5.5	
12		BIHARSHARIFF-VARANASI	D/C	442	0	6.8	0.0	6.8	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	203	0.0	4.2	-4.2
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>33.3</b>	<b>48.2</b>	<b>-15.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1670	0	32.4	0.0	32.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	919	0	12.6	0.0	12.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1114	0	18.9	0.0	18.9	
21		RANCHI-SIPAT	D/C	520	0	8.2	0.0	8.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	245	0	4.0	0.0	4.0	
<b>ER-WR</b>						<b>76.1</b>	<b>0.0</b>	<b>76.1</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1814.0	0.0	31.3	-31.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	469.0	0.0	11.2	-11.2	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1895.0	0.0	44.6	-44.6	
27	400 kV	TALCHER-I/C	D/C	0.0	979.0	0.0	15.5	-15.5	
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>87.0</b>	<b>-87.0</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	1063	660	0.0	9.2	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	217	155	1.0	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	125	0.0	1.3	-1	
<b>ER-NER</b>						<b>1.0</b>	<b>10.5</b>	<b>-9.5</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	408	0.0	7.4	-7.4	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1453	0.0	35.1	-35.1	
36		GWALIOR-AGRA	D/C	113	716	0.0	13.3	-13.3	
37	765 kV	PHAGI-GWALIOR	D/C	219	644	0.0	5.6	-5.6	
38		JABALPUR-ORAI	D/C	321	273	0.0	2.0	-2.0	
39		GWALIOR-ORAI	S/C	409	0	6.0	0.0	6.0	
40		SATNA-ORAI	S/C	0	1421	0.0	29.0	-29.0	
41		400 kV	ZERDA-KANKROLI	S/C	613	0	10.5	0.0	10.5
42			ZERDA -BHINMAL	S/C	523	0	7.7	0.0	7.7
43	V'CHAL -RIHAND		S/C	478	0	11.0	0.0	11.0	
44	RAPP-SHUJALPUR		D/C	438	14	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	112	0	2.1	0.0	2.1	
46		BADOD-MORAK	S/C	84	0	1.1	0.0	1.1	
47		MEHGAON-AURAIYA	S/C	107	0	1.7	0.0	1.7	
48	132kV	MALANPUR-AURAIYA	S/C	76	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>47.1</b>	<b>95.6</b>	<b>-48.5</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	480	705	0.0	4.9	-4.9	
53		WARDHA-NIZAMABAD	D/C	0	1971	0.0	36.5	-36.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	999	0	15.1	0.0	15.1	
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	105	2.0	0.0	2.0	
<b>WR-SR</b>						<b>17.1</b>	<b>65.4</b>	<b>-48.3</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						27.0	
59		NEPAL						-4.8	
60		BANGLADESH						-20.9	