



**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: 6<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 04.09.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 5<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

6-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	51729	45646	43930	20163	2766	164234
Peak Shortage (MW)	1420	0	30	0	130	1580
Energy Met (MU)	1111	1038	1001	427	53	3632
Hydro Gen (MU)	358	43	139		25	691
Wind Gen (MU)	30	119	154			303
Solar Gen (MU)*	16.16	17.4	56.87	0.48	0.03	91
Energy Shortage (MU)	9.8	0.0	0.1	0.0	1.2	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53116 19:23	46573 19:35	43664 19:08	20659 20:13	2791 18:55	166210 19:30

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	0.049	0.14	1.99	10.49	12.62	83.85	3.53

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	10074	0	223.5	130.8	-0.7	79	0.0	
	Haryana	7954	0	154.2	137.2	0.6	248	0.0	
	Rajasthan	9782	0	215.2	61.1	1.1	419	0.0	
	Delhi	4565	0	95.4	74.5	-1.0	159	0.0	
	UP	15220	220	309.0	158.0	-0.7	206	0.0	
	Uttarakhand	1940	0	40.7	16.8	1.2	155	0.3	
	HP	1317	0	28.1	-0.8	1.3	114	0.0	
	J&K	2041	510	40.0	20.6	-4.3	-14	9.5	
	Chandigarh	252	0	5.1	5.9	-0.8	-13	0.0	
	WR	Chhattisgarh	3536	0	83.1	14.8	-2.5	486	0.0
Gujarat		13814	0	308.1	74.4	4.5	868	0.0	
MP		7352	0	159.7	66.0	-0.5	410	0.0	
Maharashtra		19811	0	438.8	130.3	0.5	531	0.0	
Goa		403	0	11.3	8.8	1.9	68	0.0	
DD		354	0	7.8	6.7	1.1	83	0.0	
DNH		796	0	18.7	17.2	1.5	129	0.0	
Essar steel		537	0	10.7	10.8	-0.1	137	0.0	
SR		Andhra Pradesh	8637	0	189.7	43.5	0.3	495	0.0
		Telangana	10263	0	219.0	100.3	-0.5	496	0.0
	Karnataka	9378	0	199.0	54.7	0.4	480	0.0	
	Kerala	3186	0	66.8	33.6	0.5	241	0.0	
	Tamil Nadu	14821	0	319.4	105.1	1.1	489	0.0	
	Pondy	344	30	7.4	7.2	0.3	71	0.1	
ER	Bihar	4730	0	89.8	91.1	-1.3	200	0.0	
	DVC	2949	0	62.2	-26.6	0.5	225	0.0	
	Jharkhand	937	0	21.3	16.5	-2.9	45	0.0	
	Odisha	4213	0	85.0	24.7	0.1	225	0.0	
	West Bengal	8345	0	167.8	75.5	2.7	220	0.0	
	Sikkim	85	0	1.1	1.3	-0.2	10	0.0	
NER	Arunachal Pradesh	115	2	2.3	2.1	0.2	30	0.0	
	Assam	1818	77	34.6	28.2	1.3	92	1.0	
	Manipur	183	2	2.4	2.2	0.2	40	0.0	
	Meghalaya	296	0	6.0	-1.0	0.7	38	0.0	
	Mizoram	79	1	1.5	0.9	0.2	19	0.0	
	Nagaland	116	2	2.1	1.7	0.0	24	0.0	
	Tripura	273	2	4.3	3.7	0.7	47	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	35.3	-6.9	-15.2
Day peak (MW)	1548.4	-366.0	-670.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	211.9	-249.5	80.5	-49.2	6.7	0.3
Actual(MU)	202.2	-245.7	84.6	-51.1	8.4	-1.5
O/D/U/D(MU)	-9.6	3.9	4.1	-1.8	1.7	-1.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5246	16984	10132	1645	505	34512
State Sector	11285	18610	8973	6655	50	45573
Total	16531	35594	19105	8300	555	80085

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	473	1055	502	380	8	2419
Hydro	358	47	139	126	25	695
Nuclear	23	27	19	0	0	69
Gas, Naptha & Diesel	24	46	20	0	15	104
RES (Wind, Solar, Biomass & Others)	59	136	251	0	0	448
Total	936	1311	932	507	48	3735

Share of RES in total generation (%)	6.35	10.40	26.96	0.10	0.10	11.98
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	46.95	16.07	43.95	25.00	51.93	32.45

H. Diversity Factor

All India Demand Diversity Factor	1.004
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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 : **6-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	152	195	0.0	0.6	-0.6	
2		SASARAM-FATEHPUR	S/C	328	0	5.5	0.0	5.5	
3		GAYA-BALIA	S/C	0	225	0.0	3.4	-3.4	
4		ALIPURDUAR-AGRA	-	0	2422	0.0	36.6	-36.6	
5	400 kV	PUSAULI B/B	S/C	0	147	0.0	3.7	-3.7	
6		PUSAULI-VARANASI	S/C	0	172	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	14	43	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	74	304	0.0	1.8	-1.8	
9		PATNA-BALIA	Q/C	0	722	0.0	13.2	-13.2	
10		BIHARSHARIFF-BALIA	D/C	30	168	0.0	0.4	-0.4	
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.6	0.0	5.6	
12		BIHARSHARIFF-VARANASI	D/C	276	0	3.6	0.0	3.6	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	216	0.0	3.4	-3.4
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	GARWAH-RIHAND		S/C	35	0	0.6	0.0	0.6	
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>15.3</b>	<b>63.1</b>	<b>-47.7</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1108	2	19.6	0.0	19.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	975	0	14.9	0.0	14.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1089	0	16.9	0.0	16.9	
21		RANCHI-SIPAT	D/C	435	0	7.6	0.0	7.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	2.6	0.0	2.6	
23		BUDHIPADAR-KORBA	D/C	318	0	2.4	0.0	2.4	
<b>ER-WR</b>						<b>64.0</b>	<b>0.0</b>	<b>64.0</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1670.8	0.0	24.7	-24.7	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	461.8	0.0	11.0	-11.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.5	0.0	36.5	-36.5	
27	400 kV	TALCHER-I/C	D/C	1479.2	0.6	0.0	24.3	-24.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>72.3</b>	<b>-72.3</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1076	0.0	17.2	-17	
30		ALIPURDUAR-BONGAIGAON	D/C	115	304	0.0	2.0	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	167	0.0	3.1	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>22.4</b>	<b>-22.4</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.2	-15.2	
<b>NER-NR</b>						<b>0.0</b>	<b>15.2</b>	<b>-15.2</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2001	0.0	29.0	-29.0	
34		V'CHAL B/B	D/C	241	2	4.0	0.0	4.0	
35		APL -MHG	D/C	0	1453	0.0	26.7	-26.7	
36		GWALIOR-AGRA	D/C	0	1154	0.0	41.4	-41.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	1279	0.0	23.1	-23.1	
38		JABALPUR-ORAI	D/C	67	438	0.0	13.3	-13.3	
39		GWALIOR-ORAI	S/C	352	0	6.4	0.0	6.4	
40		SATNA-ORAI	S/C	0	1921	0.0	42.5	-42.5	
41		400 kV	ZERDA-KANKROLI	S/C	306	20	3.3	0.0	3.3
42			ZERDA -BHINMAL	S/C	156	89	1.2	0.0	1.2
43	V'CHAL -RIHAND		S/C	957	0	21.7	0.0	21.7	
44	RAPP-SHUJALPUR		D/C	62	298	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	54	5	0.2	0.4	-0.2	
46		BADOD-MORAK	S/C	20	87	0.0	0.7	-0.7	
47		MEHGAON-AURAIYA	S/C	40	37	0.1	0.3	-0.2	
48	132kV	MALANPUR-AURAIYA	S/C	16	49	0.0	0.7	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>36.8</b>	<b>179.4</b>	<b>-142.6</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	22.7	-22.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	625	1069	0.0	1.5	-1.5	
53		WARDHA-NIZAMABAD	D/C	1350	2072	0.0	26.1	-26.1	
54	400 kV	KOLHAPUR-KUDGI	D/C	605	0	8.0	0.0	8.0	
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	101	2.0	0.0	2.0	
<b>WR-SR</b>						<b>10.0</b>	<b>50.3</b>	<b>-40.3</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>35.3</b>	
59		NEPAL						<b>-6.9</b>	
60		BANGLADESH						<b>-15.2</b>	