



**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: 19<sup>th</sup> September 2017

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. महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 18.09.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-सितंबर-2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 18<sup>th</sup> September 2017, is available at the NLDC website.

धन्यवाद,



**पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली**

Report for previous day

Date of Reporting

19-Sep-17

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	54649	42810	36225	19576	2511	155771
Peak Shortage (MW)	2554	693	0	309	173	3729
Energy Met (MU)	1193	956	765	393	42	3349
Hydro Gen(MU)	245	12	58	97	22	433
Wind Gen(MU)	4	45	139	-----	-----	188
Solar Gen (MU)*	0.81	9.85	25.00	0.91	0.02	37
Energy Shortage (MU)	10.4	1.0	0.0	0.9	2.5	14.8
Maximum Demand Met during the day (MW) (from NLDC SCADA)	54307	41795	36904	19623	2595	154273

**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	0.029	0.00	0.01	2.23	2.25	74.11	23.65

**C. Power Supply Position in States**

Region/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	9378	0	206.7	94.8	1.3	200	0.0
	Haryana	7865	225	168.7	110.9	3.3	463	0.5
	Rajasthan	9756	0	199.7	73.8	2.1	389	0.0
	Delhi	5553	0	107.3	81.0	-0.9	487	0.0
	UP	17231	470	399.1	189.5	1.6	366	0.0
	Uttarakhand	1955	0	40.4	12.7	0.3	148	0.0
	HP	1296	0	25.7	7.7	0.9	264	0.3
	J&K	2235	559	40.3	21.4	4.1	335	9.6
	Chandigarh	262	0	5.3	5.8	-0.5	13	0.0
	Chhattisgarh	3381	0	82.2	24.4	-1.9	92	0.0
WR	Gujarat	13761	0	295.3	47.6	1.1	488	0.0
	MP	7439	0	164.0	104.0	0.8	299	0.0
	Maharashtra	17475	0	374.6	107.8	-1.3	578	1.0
	Goa	408	0	8.7	8.6	-0.1	48	0.0
	DD	328	0	7.0	6.4	0.7	76	0.0
	DNH	729	0	16.4	16.3	0.1	69	0.0
	Essar steel	413	0	7.6	7.6	0.0	185	0.0
	Andhra Pradesh	6734	0	144.0	24.4	1.3	419	0.0
	Telangana	7511	0	164.0	73.0	1.4	420	0.0
	Karnataka	6686	0	130.7	20.2	-10.8	295	0.0
SR	Kerala	3277	0	59.9	37.5	1.7	218	0.0
	Tamil Nadu	12800	0	259.3	114.0	-0.3	565	0.0
	Pondy	338	0	6.9	7.1	-0.3	34	0.0
	Bihar	4339	0	75.3	73.4	-5.5	225	0.0
	DVC	2607	0	63.2	-27.8	1.3	220	0.0
ER	Jharkhand	1114	0	23.4	15.7	1.5	80	0.0
	Odisha	4207	0	87.6	37.5	6.5	300	0.9
	West Bengal	7861	0	142.4	56.8	-0.1	250	0.0
	Sikkim	91	0	1.0	1.1	0.0	10	0.0
	Assam	105	3	1.9	2.7	-0.7	3	0.0
NER	Assam	1657	113	26.6	19.5	1.5	244	2.3
	Manipur	146	2	2.0	2.4	-0.4	31	0.1
	Meghalaya	231	0	3.7	1.0	-0.6	66	0.0
	Mizoram	81	0	1.3	1.3	-0.1	10	0.0
	Nagaland	114	1	2.0	1.9	-0.1	21	0.0
	Tripura	225	6	4.4	4.2	-0.5	85	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.6	-3.4	-14.3
Day peak (MW)	1471.5	-247.2	-656.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.3	-235.5	11.4	-35.6	-0.7	0.9
Actual(MU)	271.2	-230.2	-6.7	-30.8	-3.8	-0.3
O/D/U/D(MU)	9.9	5.3	-18.1	4.8	-3.1	-1.2

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	3005	14885	5050	2590	176	25706
State Sector	9425	16291	10232	4855	110	40913
Total	12430	31176	15282	7445	286	66619

**G. Sourcewise generation (MU)**

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	615	1089	450	347	4	2505
Hydro	245	13	58	97	22	434
Nuclear	25	3	50	0	0	79
Gas, Naptha & Diesel	40	64	17	0	24	145
RES (Wind, Solar, Biomass & Others)	12	55	200	1	0	268
Total	938	1224	774	444	50	3430

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(परिचालन)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता.के०वि०प्रा०(ग्रिड)०/  
मुख्य कार्यपालक अधिकारी(पोसोके)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								
								Date of Reporting : 19-Sep-17
								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	0	262	0.0	7.6	-7.6
2		SASARAM-FATEHPUR	S/C	0	139	0.0	0.4	-0.4
3		GAYA-BALIA	S/C	0	379	0.0	7.0	-7.0
4	HVDC	ALIPURDUAR-AGRA	-	0	341	0.0	14.6	-14.6
5		PUSAULI B/B	S/C	0	0	0.0	0.0	0.0
6	400 KV	PUSAULI-VARANASI	S/C	0	0	1.3	0.0	1.3
7		PUSAULI -ALLAHABAD	S/C	0	0	2.8	0.0	2.8
8		MUZAFFARPUR-GORAKHPUR	D/C	0	836	0.0	13.5	-13.5
9		PATNA-BALIA	Q/C	0	807	0.0	13.3	-13.3
10		BIHARSHARIFF-BALIA	D/C	0	319	0.0	5.1	-5.1
11		BARH-GORAKHPUR	D/C	0	1	2.9	0.0	2.9
12	BIHARSHARIFF-VARANASI	D/C	0	10	0.0	0.9	-0.9	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	243	0.0	4.7	-4.7
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	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>7.7</b>	<b>67.0</b>	<b>-59.4</b>
<b>Import/Export of ER (With WR)</b>								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	7.5	0.0	7.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	11.4	0.0	11.4
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	5	0.0	0.0	0.0
21		JHARSUGUDA-RAIGARH	S/C	0	0	3.3	0.0	3.3
22		IBEUL-RAIGARH	S/C	0	0	0.0	0.0	0.0
23		STERLITE-RAIGARH	D/C	0	0	7.7	0.0	7.7
24		RANCHI-SIPAT	D/C	0	0	8.6	0.0	8.6
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	72	0.0	0.4	-0.4
26		BUDHIPADAR-KORBA	D/C	0	0	3.3	0.0	3.3
<b>ER-WR</b>						<b>41.9</b>	<b>0.4</b>	<b>41.5</b>
<b>Import/Export of ER (With SR)</b>								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	10.6	-10.6
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	83.2	0.0	2.7	-2.7
29		TALCHER-KOLAR BIPOLE	D/C	0.0	837.4	0.0	11.4	-11.4
30	400 KV	TALCHER-I/C	D/C	0.0	1058.0	0.0	12.5	-12.5
31	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>24.7</b>	<b>-24.7</b>
<b>Import/Export of ER (With NER)</b>								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1424	0.0	7.4	-7
33		ALIPURDUAR-BONGAIGAON	D/C	0	1174	0.0	1.7	-2
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.6	-2
<b>ER-NER</b>						<b>0.0</b>	<b>10.7</b>	<b>-10.7</b>
<b>Import/Export of NER (With NR)</b>								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	16.9	-16.9
<b>NER-NR</b>						<b>0.0</b>	<b>16.9</b>	<b>-16.9</b>
<b>Import/Export of WR (With NR)</b>								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3000	0.0	58.6	-58.6
37		VCHAL B/B	D/C	400	50	6.4	0.1	6.2
38		APL -MHG	D/C	0	2519	0.0	56.0	-56.0
39	765 KV	GWALIOR-AGRA	D/C	0	3000	0.0	59.0	-59.0
40		PHAGI-GWALIOR	D/C	0	1462	0.0	28.0	-28.0
41	400 KV	ZERDA-KANKROLI	S/C	191	122	1.1	0.0	1.1
42		ZERDA -BHINMAL	S/C	127	184	0.0	0.5	-0.5
43		VCHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	336	0	3	-3
45	220 KV	BADOD-KOTA	S/C	22	53	0.2	0.2	0.0
46		BADOD-MORAK	S/C	0	80	0.0	0.8	-0.8
47		MEHGAON-AURAIYA	S/C	65	0	1.1	0.0	1.1
48		MALANPUR-AURAIYA	S/C	19	26	0.2	0.1	0.1
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>8.9</b>	<b>206.6</b>	<b>-197.8</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	300	0.0	7.3	-7.3
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	1165	0	1165.0	0.0	1165.0
53		WARDHA-NIZAMABAD	D/C	0	1280	0.0	17.9	-17.9
54	400 KV	KOLHAPUR-KUDGI	D/C	849	0	15.9	0.0	15.9
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 KV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	73	0	2.0	0.0	2.0
<b>WR-SR</b>						<b>1182.9</b>	<b>25.1</b>	<b>1157.7</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>33.6</b>
59		NEPAL						<b>-3.4</b>
60		BANGLADESH						<b>-14.3</b>