



**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: 18<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 17.09.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार,दिनांक 17-सितंबर-2017 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 17<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

18-Sep-17

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51965	40248	31274	17790	2062	143339
Peak Shortage (MW)	1848	0	0	0	448	2296
Energy Met (MU)	1166	942	727	410	43	3289
Hydro Gen(MU)	244	13	51	101	21	430
Wind Gen(MU)	3	27	95	-----	-----	126
Solar Gen (MU)*	9.74	11.53	21.00	1.15	0.01	43
Energy Shortage (MU)	13.9	0.6	0.0	0.0	2.4	17.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	52459	39987	31571	20064	2304	144397

**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	0.00	0.89	0.89	72.95	26.16

**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	9214	0	201.4	94.6	0.3	168	0.0	
	Haryana	7832	0	162.1	108.1	0.9	157	0.0	
	Rajasthan	9052	0	199.8	73.7	1.3	376	0.0	
	Delhi	4897	0	98.1	73.4	-3.1	37	0.1	
	UP	17417	2590	397.5	194.1	0.9	377	4.3	
	Uttarakhand	1748	0	36.8	9.8	-0.7	75	0.0	
	HP	1187	0	26.0	7.2	0.5	99	0.0	
	J&K	2030	507	40.2	21.7	4.8	426	9.5	
	Chandigarh	222	0	4.5	5.2	-0.6	10	0.0	
	WR	Chhattisgarh	3869	0	84.4	25.0	-1.0	241	0.0
Gujarat		12839	0	286.9	44.1	1.5	402	0.0	
MP		7366	0	166.7	107.4	-0.4	470	0.0	
Maharashtra		16420	0	364.7	110.4	-2.9	514	0.6	
Goa		385	0	8.0	8.1	-0.3	25	0.0	
DD		298	0	6.7	6.2	0.5	37	0.0	
DNH		714	0	16.3	15.9	0.4	55	0.0	
Essar steel		411	0	8.1	7.7	0.4	145	0.0	
SR		Andhra Pradesh	6511	0	138.6	29.6	-0.5	416	0.0
		Telangana	7491	0	163.5	70.5	0.3	403	0.0
	Karnataka	5925	0	126.6	26.8	-9.0	309	0.0	
	Kerala	2580	0	53.3	37.4	0.1	172	0.0	
	Tamil Nadu	10910	0	239.2	114.2	-2.4	498	0.0	
	Pondy	278	0	6.1	6.8	-0.6	34	0.0	
ER	Bihar	4268	0	88.0	81.9	0.8	350	0.0	
	DVC	2770	0	62.2	-29.9	0.1	370	0.0	
	Jharkhand	1086	0	23.4	17.0	0.1	100	0.0	
	Odisha	4276	0	89.5	40.4	4.1	460	0.0	
	West Bengal	8101	0	145.6	51.4	2.0	320	0.0	
	Sikkim	65	0	0.8	0.9	-0.1	8	0.0	
NER	Arunachal Pradesh	108	2	2.2	2.5	-0.2	3	0.1	
	Assam	1467	160	26.7	22.3	-0.1	244	2.2	
	Manipur	139	3	2.1	2.2	-0.1	31	0.1	
	Meghalaya	195	0	3.8	0.5	0.0	66	0.0	
	Mizoram	78	4	1.3	1.3	-0.1	10	0.1	
	Nagaland	117	1	2.1	1.9	0.0	21	0.0	
	Tripura	235	0	5.2	4.2	0.2	85	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	30.8	-4.1	-14.5
Day peak (MW)	1391.3	-283.2	-631.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	253.3	-220.6	18.7	-51.9	1.4	0.8
Actual(MU)	255.6	-216.2	15.1	-41.7	-1.1	11.7
O/D/U/D(MU)	2.3	4.5	-3.6	10.2	-2.5	10.9

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	3487	15707	5010	2380	176	26761
State Sector	8855	16709	9182	4955	110	39811
Total	12342	32416	14192	7335	286	66572

**G. Sourcewise generation (MU)**

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	591	1078	471	374	5	2518
Hydro	244	13	51	101	21	430
Nuclear	28	3	50	0	0	81
Gas, Naptha & Diesel	45	62	17	0	23	146
RES (Wind, Solar, Biomass & Others)	22	39	142	1	0	204
Total	929	1194	731	476	49	3379

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

सचिव(ऊर्जा)/संयुक्त सचिव(परिषद्)/ओ एम/निदेशक(ओ एम)/मुख्य अभियंता.के०वि०प्रा०(ग्रि०प्रा०)/मुख्य कार्यपालक अधिकारी(पोसोको),सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								
								Date of Reporting : 18-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	351	0.0	6.8	-6.8
2		SASARAM-FATEHPUR	S/C	0	128	1.6	0.0	1.6
3		GAYA-BALIA	S/C	0	565	0.0	7.7	-7.7
4	HVDC	ALIPURDUAR-AGRA	-	0	383	0.0	11.3	-11.3
5		PUSAULI B/B	S/C	0	392	0.0	2.8	-2.8
6	400 KV	PUSAULI-VARANASI	S/C	0	279	0.0	0.0	0.0
7		PUSAULI-ALLAHABAD	S/C	0	112	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1007	0.0	15.4	-15.4
9		PATNA-BALIA	Q/C	0	1267	0.0	11.4	-11.4
10		BIHARSHARIF-BALIA	D/C	0	291	0.0	3.2	-3.2
11		BARH-GORAKHPUR	D/C	0	0	4.3	0.0	4.3
12	BIHARSHARIF-VARANASI	D/C	0	0	0.0	1.3	-1.3	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	243	0.0	5.3	-5.3
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>6.4</b>	<b>65.1</b>	<b>-58.7</b>
<b>Import/Export of ER (With WR)</b>								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	172	4.7	0.0	4.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	9.2	0.0	9.2
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	0	0.0	0.0	0.0
21		JHARSUGUDA-RAIGARH	S/C	0	29	0.0	0.0	0.0
22		IBEUL-RAIGARH	S/C	0	0	1.3	0.0	1.3
23		STERLITE-RAIGARH	D/C	0	0	6.7	0.0	6.7
24		RANCHI-SIPAT	D/C	0	0	6.1	0.0	6.1
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	94	0.0	0.6	-0.6
26		BUDHIPADAR-KORBA	D/C	0	0	3.8	0.0	3.8
<b>ER-WR</b>						<b>31.8</b>	<b>0.6</b>	<b>31.2</b>
<b>Import/Export of ER (With SR)</b>								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	13.5	-13.5
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	160.9	0.0	4.8	-4.8
29		TALCHER-KOLAR BIPOLE	D/C	0.0	527.8	0.0	5.8	-5.8
30	400 KV	TALCHER-I/C	D/C	0.0	1133.2	0.0	16.7	-16.7
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>24.2</b>	<b>-24.2</b>
<b>Import/Export of ER (With NER)</b>								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1432	0.0	8.2	-8
33		ALIPURDUAR-BONGAIGAON	D/C	0	1172	0.0	4.2	-4
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2
<b>ER-NER</b>						<b>0.0</b>	<b>14.5</b>	<b>-14.5</b>
<b>Import/Export of NER (With NR)</b>								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	1150	0.0	17.7	-17.7
<b>NER-NR</b>						<b>0.0</b>	<b>17.7</b>	<b>-17.7</b>
<b>Import/Export of WR (With NR)</b>								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3000	0.0	55.3	-55.3
37		VCHAL B/B	D/C	500	0	7.4	0.0	7.4
38		APL -MHG	D/C	0	2518	0.0	49.0	-49.0
39	765 KV	GWALIOR-AGRA	D/C	0	2964	0.0	57.3	-57.3
40		PHAGI-GWALIOR	D/C	0	1420	0.0	26.4	-26.4
41	400 KV	ZERDA-KANKROLI	S/C	135	107	0.8	0.0	0.8
42		ZERDA -BHINMAL	S/C	63	194	0.0	1.2	-1.2
43		VCHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	283	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>9.7</b>	<b>193.3</b>	<b>-183.6</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	300	0.0	7.2	-7.2
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	826	303	826.0	0.0	826.0
53		WARDHA-NIZAMABAD	D/C	0	1126	0.0	19.1	-19.1
54	400 KV	KOLHAPUR-KUDGI	D/C	856	0	15.6	0.0	15.6
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>843.6</b>	<b>26.3</b>	<b>817.3</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>30.8</b>
59		NEPAL						<b>-4.1</b>
60		BANGLADESH						<b>-14.5</b>