



**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: 12<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., डोंगतेह, 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 11.09.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार,दिनांक 11-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 11<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

12-Sep-17

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	53660	43885	37441	19803	2432	157221
Peak Shortage (MW)	1869	565	850	300	205	3789
Energy Met (MU)	1205	1032	842	421	44	3544
Hydro Gen(MU)	279	55	86	108	24	552
Wind Gen(MU)	5	14	29	-----	-----	49
Solar Gen (MU)*	2.20	12.56	30.20	1.20	0.00	46
Energy Shortage (MU)	33.8	8.5	0.0	0.9	1.7	44.8
Maximum Demand Met during the day (MW) (from NLDC SCADA)	54592	45112	37250	20007	2541	156312

**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	0.075	0.00	1.23	23.98	25.21	71.53	3.26

**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	9728	0	218.6	103.9	-1.6	158	0.0
	Haryana	8295	144	170.6	122.7	1.4	329	10.0
	Rajasthan	9404	0	212.4	80.0	-1.5	199	1.2
	Delhi	5378	0	113.3	89.8	-0.7	195	0.0
	UP	17283	1030	383.1	177.4	1.9	538	13.6
	Uttarakhand	1875	0	39.9	11.7	0.3	168	0.1
	HP	1298	25	24.7	4.4	0.3	130	0.0
	J&K	1953	488	37.3	18.0	-0.3	182	8.9
	Chandigarh	259	0	5.2	5.6	-0.4	24	0.0
	Chhattisgarh	3801	189	88.1	26.9	-1.0	371	2.5
WR	Gujarat	14477	30	319.0	57.8	1.5	381	0.0
	MP	7742	20	178.0	108.8	-0.1	434	0.3
	Maharashtra	18381	246	406.9	114.0	1.4	534	5.7
	Goa	434	0	9.3	8.5	0.8	103	0.0
	DD	318	0	7.0	6.4	0.7	53	0.0
	DNH	744	0	17.0	15.8	1.2	139	0.0
	Essar steel	360	0	6.7	6.4	0.3	175	0.0
	Andhra Pradesh	6978	0	154	32	2.4	476	0.0
	Telangana	8634	0	188	82	1.4	498	0.0
	Karnataka	7581	0	152	40	3.0	468	0.0
SR	Kerala	3322	0	66	39	1.9	212	0.0
	Tamil Nadu	13156	0	275	134	5.3	442	0.0
	Pondy	320	0	7	7	0.2	43	0.0
	Bihar	4341	0	83.6	77.0	0.9	200	0.0
	DVC	2960	0	67.3	-26.5	0.4	225	0.0
ER	Jharkhand	1199	0	24.2	16.8	1.1	100	0.0
	Odisha	4238	0	88.5	31.5	0.6	250	0.9
	West Bengal	7994	0	155.8	58.5	0.1	225	0.0
	Sikkim	95	0	1.1	1.0	0.2	10	0.0
	Assam	110	2	1.9	2.3	-0.3	22	0.0
NER	Assam	1595	90	27.8	21.4	1.7	135	1.1
	Manipur	145	4	2.1	2.3	-0.2	35	0.2
	Meghalaya	285	0	4.7	-1.4	-0.1	47	0.0
	Mizoram	74	3	1.1	1.1	-0.1	12	0.0
	Nagaland	103	4	1.8	1.7	-0.1	27	0.1
	Tripura	221	1	4.4	3.3	0.5	57	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.5	-4.8	-14.8
Day peak (MW)	1481.8	-265.2	-659.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	227.1	-203.6	34.2	-53.0	0.3	5.0
Actual(MU)	218.4	-210.6	38.0	-43.6	0.6	2.8
O/D/U/D(MU)	-8.7	-7.0	3.8	9.4	0.3	-2.2

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	2070	16419	5810	2380	390	27068
State Sector	8025	15377	8342	4865	110	36719
Total	10095	31796	14152	7245	499	63787

**G. Sourcewise generation (MU)**

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	635	1124	552	377	0	2688
Hydro	279	55	86	108	24	552
Nuclear	32	3	49	0	0	85
Gas, Naptha & Diesel	51	70	17	0	23	161
RES (Wind, Solar, Biomass & Others)	16	27	101	1	0	145
Total	1012	1280	806	486	47	3631

\*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 : 12-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	226	0.0	6.9	-6.9
2		SASARAM-FATEHPUR	S/C	0	5	2.6	0.0	2.6
3		GAYA-BALIA	S/C	0	357	0.0	6.4	-6.4
4	HVDC	ALIPURDUAR-AGRA	-	0	176	0.0	7.3	-7.3
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9
6	400 KV	PUSAULI-VARANASI	S/C	0	182	0.0	0.0	0.0
7		PUSAULI-ALLAHABAD	S/C	0	44	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	726	0.0	12.5	-12.5
9		PATNA-BALIA	Q/C	0	839	0.0	15.9	-15.9
10		BIHARSHARIF-BALIA	D/C	0	246	0.0	4.1	-4.1
11		BARH-GORAKHPUR	D/C	0	0	3.9	0.0	3.9
12	BIHARSHARIF-VARANASI	D/C	0	0	0.2	0.0	0.2	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	217	0.0	3.8	-3.8
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>7.2</b>	<b>61.7</b>	<b>-54.5</b>
<b>Import/Export of ER (With WR)</b>								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	100	4.1	0.0	4.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	5	10.0	0.0	10.0
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	10	1.9	0.0	1.9
21		JHARSUGUDA-RAIGARH	S/C	0	12	1.2	0.0	1.2
22		IBEUL-RAIGARH	S/C	0	0	1.2	0.0	1.2
23		STERLITE-RAIGARH	D/C	0	0	4.1	0.0	4.1
24		RANCHI-SIPAT	D/C	0	0	4.5	0.0	4.5
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	65	0.0	0.9	-0.9
26		BUDHIPADAR-KORBA	D/C	0	0	2.7	0.0	2.7
<b>ER-WR</b>						<b>29.7</b>	<b>0.9</b>	<b>28.8</b>
<b>Import/Export of ER (With SR)</b>								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	10.0	-10.0
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	240.0	0.0	8.8	-8.8
29		TALCHER-KOLAR BIPOLE	D/C	0.0	1314.8	0.0	16.7	-16.7
30	400 KV	TALCHER-I/C	D/C	0.0	1254.4	0.0	16.2	-16.2
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>35.5</b>	<b>-35.5</b>
<b>Import/Export of ER (With NER)</b>								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1353	0.0	7.3	-7
33		ALIPURDUAR-BONGAIGAON	D/C	0	1091	0.0	4.8	-5
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.9	-2
<b>ER-NER</b>						<b>0.0</b>	<b>14.0</b>	<b>-14.0</b>
<b>Import/Export of NER (With NR)</b>								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.6	-15.6
<b>NER-NR</b>						<b>0.0</b>	<b>15.6</b>	<b>-15.6</b>
<b>Import/Export of WR (With NR)</b>								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2000	0.0	35.7	-35.7
37		VCHAL B/B	D/C	400	0	9.7	0.0	9.7
38		APL -MHG	D/C	0	2015	0.0	42.1	-42.1
39	765 KV	GWALIOR-AGRA	D/C	0	2580	0.0	49.9	-49.9
40		PHAGI-GWALIOR	D/C	0	1142	0.0	22.3	-22.3
41	400 KV	ZERDA-KANKROLI	S/C	84	47	0.5	0.0	0.5
42		ZERDA -BHINMAL	S/C	31	157	0.0	1.4	-1.4
43		VCHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	317	0	3	-3
45	220 KV	BADOD-KOTA	S/C	43	23	0.4	0.1	0.4
46		BADOD-MORAK	S/C	70	58	0.0	0.5	-0.4
47		MEHGAON-AURAIYA	S/C	98	0	1.7	0.0	1.7
48		MALANPUR-AURAIYA	S/C	56	0	0.9	0.0	0.9
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>13.2</b>	<b>154.7</b>	<b>-141.5</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC LINK	BHADRAWATI B/B	-	0	800	0.0	10.0	-10.0
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	155	801	155.2	5.2	150.1
53		WARDHA-NIZAMABAD	D/C	0	1523	0.0	28.2	-28.2
54	400 KV	KOLHAPUR-KUDGI	D/C	319	0	5.3	0.0	5.3
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>162.6</b>	<b>43.3</b>	<b>119.2</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>33.5</b>
59		NEPAL						<b>-4.8</b>
60		BANGLADESH						<b>-14.8</b>