



**National Load Despatch Centre**  
राष्ट्रीय भार प्रेषण केंद्र  
**POWER SYSTEM OPERATION CORPORATION LIMITED**  
पाँवर 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: 05<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 04.09.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04<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

5-Sep-17

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	47551	43465	36144	19772	2544	149476
Peak Shortage (MW)	3961	456	0	800	119	5336
Energy Met (MU)	1046	971	845	402	45	3309
Hydro Gen(MU)	296	38	69	109	26	538
Wind Gen(MU)	19	32	27	-----	-----	77
Solar Gen (MU)*	2.97	11.59	29.10	1.32	0.02	45
Energy Shortage (MU)	17.0	2.4	0.0	2.4	1.2	23.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	47680	43567	37108	20211	2611	149259

**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	0.069	0.28	1.18	20.34	21.79	76.26	1.94

**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	6880	0	154.6	103.0	-1.9	103	0.0
	Haryana	7030	500	141.2	105.3	4.7	1012	2.6
	Rajasthan	8780	0	188.5	65.5	-0.5	304	0.0
	Delhi	5091	0	104.2	79.8	-1.4	137	0.0
	UP	16444	470	353.0	159.0	2.6	743	4.3
	Uttarakhand	1825	0	36.5	11.5	-0.1	134	0.0
	HP	1264	0	23.9	-1.3	1.3	180	0.7
	J&K	2085	521	39.2	13.4	0.2	252	9.3
	Chandigarh	267	0	5.3	5.9	-0.6	16	0.0
	Chhattisgarh	3799	158	93.6	27.8	4.4	239	2.4
WR	Gujarat	11668	29	258.4	64.7	-1.1	279	0.0
	MP	8036	0	170.3	103.0	-0.5	259	0.0
	Maharashtra	18911	0	415.1	128.6	0.9	337	0.0
	Goa	388	0	8.3	8.6	-0.3	58	0.0
	DD	306	0	6.7	6.1	0.6	58	0.0
	DNH	737	0	16.9	16.3	0.6	52	0.0
	Essar steel	99	0	2.0	1.9	0.2	109	0.0
	Andhra Pradesh	7036	0	151	41	1.8	413	0.0
	Telangana	8997	0	182	93	-4.9	323	0.0
	Karnataka	8462	0	175	68	2.6	468	0.0
SR	Kerala	2932	0	58	42	0.9	215	0.0
	Tamil Nadu	12416	0	272	132	5.0	450	0.0
	Pondy	363	0	7	8	-0.2	36	0.0
	Bihar	4296	0	82.7	76.5	-0.5	402	0.6
	DVC	2845	0	64.7	-24.9	1.2	435	1.2
ER	Jharkhand	1222	0	24.1	17.9	-1.0	165	0.0
	Odisha	3988	0	78.0	28.7	-1.1	398	0.6
	West Bengal	8150	0	151.9	54.5	0.6	478	0.0
	Sikkim	88	0	0.7	1.0	-0.3	20	0.0
	Assam	113	4	2.0	2.4	-0.4	11	0.0
NER	Assam	1591	76	28.0	21.2	1.3	124	1.0
	Manipur	145	1	2.1	2.5	-0.3	9	0.0
	Meghalaya	298	0	5.1	-1.2	-0.8	76	0.0
	Mizoram	73	2	1.3	1.4	-0.2	30	0.0
	Nagaland	107	5	2.1	2.0	-0.1	21	0.0
	Tripura	245	4	3.9	3.4	-0.2	46	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.8	-5.5	-14.7
Day peak (MW)	1500.4	-172.8	-639.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	174.8	-183.5	72.6	-71.9	9.1	1.1
Actual(MU)	171.8	-183.7	72.2	-71.5	6.3	-4.9
O/D/U/D(MU)	-3.0	-0.2	-0.4	0.4	-2.8	-6.1

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	4147	17127	4510	2110	897	28791
State Sector	9920	18735	10382	5755	110	44902
Total	14067	35862	14892	7865	1007	73693

**G. Sourcewise generation (MU)**

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	497	1056	549	386	4	2493
Hydro	296	38	69	109	26	537
Nuclear	32	3	48	0	0	83
Gas, Naptha & Diesel	35	52	16	0	12	115
RES (Wind, Solar, Biomass & Others)	30	43	96	1	0	171
Total	890	1193	779	496	42	3399

\*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(ग्रिडिंग)/मुख्य कार्यपालक अधिकारी(पोसोको),सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	5-Sep-17
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	Import-(+ve) /Export =(-ve) for NET (MU)	
								NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765KV	GAYA-VARANASI	D/C	0	208	0.0	5.8	-5.8	
2		SASARAM-FATEHPUR	S/C	0	4	2.8	0.0	2.8	
3		GAYA-BALIA	S/C	0	307	0.0	5.8	-5.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	287	0.0	11.9	-11.9	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 KV	PUSAULI-VARANASI	S/C	0	174	0.0	0.0	0.0	
7		PUSAULI-ALLAHABAD	S/C	0	50	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	723	0.0	11.0	-11.0	
9		PATNA-BALIA	Q/C	0	815	0.0	14.9	-14.9	
10		BIHARSHARIFF-BALIA	D/C	0	289	0.0	4.4	-4.4	
11		BARH-GORAKHPUR	D/C	0	0	3.9	0.0	3.9	
12	BIHARSHARIFF-VARANASI	D/C	0	45	0.0	0.1	-0.1		
13	220 KV	PUSAULI-SAHUPURI	S/C	0	148	0.0	2.8	-2.8	
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.7	0.0	0.7	
15		GARWAH-RIHAND	S/C	0	0	0.0	0.0	0.0	
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>7.4</b>	<b>61.5</b>	<b>-54.1</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	11.2	0.0	11.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	7.4	0.0	7.4	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	8	1.4	0.0	1.4	
21		JHARSUGUDA-RAIGARH	S/C	0	4	0.8	0.0	0.8	
22		IBEUL-RAIGARH	S/C	0	0	0.8	0.0	0.8	
23		STERLITE-RAIGARH	D/C	0	25	0.0	0.0	0.0	
24		RANCHI-SIPAT	D/C	0	0	4.6	0.0	4.6	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	93	0.0	1.0	-1.0	
26		BUDHIPADAR-KORBA	D/C	0	0	3.0	0.0	3.0	
<b>ER-WR</b>						<b>29.0</b>	<b>1.0</b>	<b>28.1</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.9	-14.9	
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	346.4	0.0	21.4	-21.4	
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2014.4	0.0	37.0	-37.0	
30	400 KV	TALCHER-I/C	D/C	0.0	1249.5	0.0	17.6	-17.6	
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>73.3</b>	<b>-73.3</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1569	0.0	9.1	-9	
33		ALIPURDUAR-BONGAIGAON	D/C	0	1284	0.0	4.4	-4	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.2	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>15.7</b>	<b>-15.7</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	12.1	-12.1	
<b>NER-NR</b>						<b>0.0</b>	<b>12.1</b>	<b>-12.1</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	23.0	-23.0	
37		VCHAL B/B	D/C	500	0	12.2	0.0	12.2	
38		APL -MHG	D/C	0	1512	0.0	29.8	-29.8	
39	765 KV	GWALIOR-AGRA	D/C	0	2364	0.0	45.4	-45.4	
40		PHAGI-GWALIOR	D/C	0	1198	0.0	21.5	-21.5	
41	400 KV	ZERDA-KANKROLI	S/C	156	0	1.9	0.0	1.9	
42		ZERDA -BHINMAL	S/C	162	17	1.5	0.0	1.5	
43		VCHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
44		RAPP-SHUJALPUR	D/C	0	181	0	1	-1	
45	220 KV	BADOD-KOTA	S/C	71	0	0.6	0.0	0.6	
46		BADOD-MORAK	S/C	13	38	0.0	0.4	-0.3	
47		MEHGAON-AURAIYA	S/C	44	0	0.7	0.0	0.7	
48		MALANPUR-AURAIYA	S/C	14	13	0.1	0.1	0.0	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>17.0</b>	<b>121.3</b>	<b>-104.3</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	18.1	-18.1	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1144	0.0	18.4	-18.4	
53		WARDHA-NIZAMABAD	D/C	0	1315	0.0	23.4	-23.4	
54	400 KV	KOLHAPUR-KUDGI	D/C	356	0	6.9	0.0	6.9	
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>8.9</b>	<b>59.8</b>	<b>-50.9</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>36.8</b>	
59		NEPAL						<b>-5.5</b>	
60		BANGLADESH						<b>-14.7</b>	