



**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: 08<sup>th</sup>Sep 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, 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 07.09.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-सितंबर-2019 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 07<sup>th</sup> Sep 2019, 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

8-Sep-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	56800	43664	39784	21350	2921	164519
Peak Shortage (MW)	2165	0	0	0	157	2322
Energy Met (MU)	1331	1005	918	461	55	3770
Hydro Gen (MU)	376	121	163	130	22	812
Wind Gen (MU)	10	63	192	-----	-----	265
Solar Gen (MU)*	24.74	14.7	61.65	1.89	0.04	103
Energy Shortage (MU)	11.9	0.0	0.0	0.0	1.1	13.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60663 22:16	45857 19:15	40734 18:56	21546 19:51	3145 19:46	166909 19:31

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	0.021	0.00	0.00	2.06	2.06	82.25	15.69

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	10115	0	228.4	136.6	-1.1	35	0.0
	Haryana	9536	0	209.1	154.7	-0.4	128	0.0
	Rajasthan	9911	0	224.7	74.9	-1.8	393	0.0
	Delhi	5838	0	122.2	101.5	-0.6	188	0.0
	UP	20265	590	430.1	224.6	3.0	797	2.3
	Uttarakhand	1855	0	39.6	12.5	0.1	135	0.0
	HP	1464	0	31.1	-0.1	-0.3	64	0.0
	J&K	2104	526	40.2	18.3	-1.1	298	9.6
	Chandigarh	283	0	5.9	6.5	-0.6	0	0.0
WR	Chhattisgarh	3649	0	85.2	27.3	0.0	272	0.0
	Gujarat	13454	0	294.3	87.3	3.1	647	0.0
	MP	8677	0	192.3	81.6	-3.9	299	0.0
	Maharashtra	17807	0	390.6	121.0	0.6	550	0.0
	Goa	541	0	10.2	9.9	-0.3	37	0.0
	DD	336	0	7.5	6.9	0.6	48	0.0
	DNH	793	0	18.6	18.6	0.0	30	0.0
	Essar steel	318	0	5.8	5.7	0.1	232	0.0
	SR	Andhra Pradesh	7340	0	169.6	28.8	-0.3	474
Telangana		9044	0	188.3	46.4	-0.3	393	0.0
Karnataka		9303	0	177.7	21.7	-2.5	441	0.0
Kerala		3352	0	67.0	43.6	1.8	239	0.0
Tamil Nadu		13793	0	307.3	121.6	0.4	495	0.0
Pondy		389	0	8.2	8.2	0.0	40	0.0
ER	Bihar	5674	0	115.6	110.5	-0.3	400	0.0
	DVC	2885	0	61.5	-29.2	0.5	350	0.0
	Jharkhand	1135	0	24.5	16.6	-1.3	150	0.0
	Odisha	4404	0	89.4	23.4	6.6	500	0.0
	West Bengal	8274	0	168.4	66.2	0.3	300	0.0
NER	Sikkim	100	0	1.2	1.3	-0.1	20	0.0
	Arunachal Pradesh	128	6	2.3	2.9	-0.6	85	0.0
	Assam	1876	68	36.0	30.3	0.6	96	1.0
	Manipur	177	5	2.6	2.6	0.0	35	0.0
	Meghalaya	320	8	5.3	2.6	-0.2	129	0.0
	Mizoram	89	4	1.9	0.8	0.7	63	0.0
	Nagaland	138	6	2.3	2.4	-0.4	29	0.0
	Tripura	295	15	4.9	4.4	-0.1	58	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	40.4	-5.4	-25.8
Day peak (MW)	1999.0	-429.0	-1093.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	297.7	-242.8	16.2	-74.4	10.6	7.3
Actual(MU)	291.5	-250.7	5.8	-55.7	10.6	1.4
O/D/U/D(MU)	-6.2	-8.0	-10.4	18.6	0.0	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4357	16300	8432	1350	736	31174
State Sector	9740	19537	11390	5530	50	46246
Total	14097	35836	19822	6880	786	77420

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	543	959	342	412	7	2263
Lignite	20	10	44	0	0	75
Hydro	376	121	163	130	22	812
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	36	61	16	0	21	134
RES (Wind, Solar, Biomass & Others)	52	83	302	2	0	438
Total	1054	1265	922	544	50	3835

Share of RES in total generation (%)	4.89	6.54	32.71	0.35	0.08	11.41
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.11	18.56	56.38	24.29	44.05	35.54

H. Diversity Factor

All India Demand Diversity Factor	1.030
-----------------------------------	-------

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 :	8-Sep-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	22	412	0.0	6.3	-6.3	
2		SASARAM-FATEHPUR	S/C	211	53	2.2	0.0	2.2	
3		GAYA-BALIA	S/C	0	430	0.0	7.8	-7.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	902	0.0	21.7	-21.7	
5		PUSAULI B/B	S/C	0	196	0.0	4.6	-4.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	171	0.0	3.3	-3.3	
7		PUSAULI -ALLAHABAD	S/C	0	96	0.0	1.2	-1.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	888	0.0	11.4	-11.4	
9		PATNA-BALIA	Q/C	0	907	0.0	17.3	-17.3	
10		BIHARSHARIFF-BALIA	D/C	0	300	0.0	5.1	-5.1	
11		MOTIHARI-GORAKHPUR	D/C	0	12	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	130	171	0.1	0.0	0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	193	0.0	3.5	-3.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4	
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>2.7</b>	<b>82.3</b>	<b>-79.6</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1026	0	15.8	0.0	15.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1122	0	19.4	0.0	19.4	
20		JHARSUGUDA-DURG	D/C	289	0	4.0	0.0	4.0	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	342	16	4.5	0.0	4.5	
22		RANCHI-SIPAT	D/C	367	0	6.4	0.0	6.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	123	0.0	1.9	-1.9	
24		BUDHIPADAR-KORBA	D/C	138	0	2.0	0.0	2.0	
<b>ER-WR</b>						<b>52.1</b>	<b>1.9</b>	<b>50.2</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1412.0	0.0	24.1	-24.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	314.0	0.0	7.3	0.0	7.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	589.0	0.0	14.5	-14.5	
28	400 kV	TALCHER-I/C	D/C	471.0	0.0	8.3	0.0	8.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>7.3</b>	<b>38.6</b>	<b>-31.3</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	763	0.0	11.7	-12	
31		ALIPURDUAR-BONGAIGAON	D/C	0	554	0.0	5.6	-6	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	163	0.0	2.5	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>19.9</b>	<b>-19.9</b>	
<b>Import/Export of NER (With NR)</b>									
33	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>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2509	0.0	52.1	-52.1	
35		V'CHAL B/B	D/C	451	397	2.0	3.8	-1.8	
36		APL -MHG	D/C	0	982	0.0	24.3	-24.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2496	0.0	48.1	-48.1	
38		PHAGI-GWALIOR	D/C	0	1061	0.0	20.8	-20.8	
39		JABALPUR-ORAI	D/C	0	976	0.0	36.5	-36.5	
40		GWALIOR-ORAI	S/C	295	0	6.0	0.0	6.0	
41		SATNA-ORAI	S/C	0	1407	0.0	30.4	-30.4	
42		CHITTORGARH-BANASKANTHA	D/C	0	958	0.0	10.2	10.2	
43		ZERDA-KANKROLI	S/C	41	168	0.0	1.7	-1.6	
44	400 kV	ZERDA -BHINMAL	S/C	180	233	0.3	2.3	-2.1	
45		V'CHAL -RIHAND	S/C	966	0	22.2	0.0	22.2	
46	220 kV	RAPP-SHUJALPUR	D/C	0	400	0	3	-3	
47		BHANPURA-RANPUR	S/C	19	47	0.1	0.4	-0.3	
48		BHANPURA-MORAK	S/C	6	97	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	47	18	0.2	0.1	0.1	
50		MALANPUR-AURAIYA	S/C	2	54	0.0	0.8	-0.8	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>30.7</b>	<b>235.4</b>	<b>-184.4</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	290	0	7.2	0.0	7.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	954	349	6.8	0.6	6.2	
55		WARDHA-NIZAMABAD	D/C	0	1312	0.0	20.2	-20.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	848	0	14.0	0.0	14.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	60	0.0	1.0	-1.0	
59		XELDEM-AMBEWADI	S/C	0	34	0.6	0.0	0.6	
<b>WR-SR</b>						<b>28.6</b>	<b>21.9</b>	<b>6.8</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>40.4</b>	
61		NEPAL						<b>-5.4</b>	
62		BANGLADESH						<b>-25.8</b>	