



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: 26<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. 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. 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 25.09.2019.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-सितंबर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 25<sup>th</sup> Sep 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

26-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)	55337	43966	37251	19946	2459	158959
Peak Shortage (MW)	553	0	0	0	215	768
Energy Met (MU)	1187	1000	825	401	44	3457
Hydro Gen (MU)	267	130	153	116	28	694
Wind Gen (MU)	12	23	31	-----	-----	66
Solar Gen (MU)*	27.93	18.82	65.78	1.86	0.01	114
Energy Shortage (MU)	9.5	0.0	0.0	0.0	9.2	18.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55666 19:33	45153 18:57	38159 18:51	19841 19:06	2552 18:01	160244 19:27

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	0.030	0.00	0.00	1.75	1.75	70.53	27.72

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	9884	0	222.9	123.2	-0.7	39	0.0
	Haryana	8651	0	185.6	144.8	0.9	141	0.0
	Rajasthan	9895	0	225.0	72.8	-1.5	335	0.0
	Delhi	4851	0	102.4	84.2	0.2	158	0.0
	UP	17106	0	335.1	139.4	-0.2	723	0.0
	Uttarakhand	1945	0	40.4	17.5	0.7	134	0.0
	HP	1483	0	30.7	8.8	0.7	131	0.0
	J&K	2195	549	39.8	21.6	-3.1	283	9.5
	Chandigarh	255	0	5.3	5.7	-0.4	10	0.0
	WR	Chhattisgarh	3930	0	86.6	33.1	0.0	295
Gujarat		13964	0	312.7	86.6	1.9	601	0.0
MP		7749	0	166.5	69.9	-4.1	437	0.0
Maharashtra		18092	0	391.5	169.8	-0.1	415	0.0
Goa		541	0	12.2	11.4	0.2	45	0.0
DD		340	0	6.6	6.2	0.5	89	0.0
DNH		794	0	18.5	18.7	-0.2	35	0.0
Essar steel		284	0	5.6	5.6	-0.1	378	0.0
Andhra Pradesh		7249	0	153.9	48.1	1.8	954	0.0
Telangana		7120	0	153.7	21.8	-1.1	456	0.0
SR	Karnataka	7914	0	159.2	40.9	-0.7	1002	0.0
	Kerala	3434	0	68.8	44.4	0.6	216	0.0
	Tamil Nadu	13372	0	282.3	129.6	-1.5	530	0.0
	Pondy	372	0	7.3	7.8	-0.5	34	0.0
	Bihar	4946	0	89.0	86.7	0.3	140	0.0
	DVC	2916	0	60.0	-15.7	1.2	400	0.0
ER	Jharkhand	1274	0	22.4	18.6	-1.5	50	0.0
	Odisha	4272	0	89.4	19.8	8.1	500	0.0
	West Bengal	7477	0	139.1	51.6	-1.2	400	0.0
	Sikkim	100	0	1.0	1.2	-0.2	20	0.0
	Arunachal Pradesh	115	1	2.1	2.2	-0.1	35	0.0
	Assam	1545	90	25.7	19.1	0.8	208	9.2
NER	Manipur	158	2	2.3	2.1	0.1	22	0.0
	Meghalaya	352	0	6.1	0.5	-0.1	58	0.0
	Mizoram	95	1	1.6	0.5	0.9	37	0.0
	Nagaland	120	2	2.0	2.1	-0.3	3	0.0
	Tripura	245	3	4.3	4.5	-0.7	24	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	44.4	-3.3	-25.2
Day peak (MW)	1866.6	-165.0	-1084.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	283.5	-224.4	9.8	-53.6	-10.6	4.7
Actual(MU)	272.6	-214.2	12.0	-63.8	-10.8	-4.2
O/D/U/D(MU)	-10.9	10.2	2.2	-10.3	-0.2	-8.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4022	14860	7622	2320	556	29380
State Sector	7751	21099	7333	5700	11	41894
Total	11773	35958	14955	8020	567	71273

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	527	949	424	361	4	2265
Lignite	21	13	42	0	0	76
Hydro	267	130	153	116	28	694
Nuclear	27	29	60	0	0	116
Gas, Naptha & Diesel	39	71	16	0	28	154
RES (Wind, Solar, Biomass & Others)	52	41	124	2	0	220
Total	934	1232	821	479	60	3526

Share of RES in total generation (%)	5.59	3.37	15.17	0.39	0.02	6.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.13	16.23	41.16	24.59	47.16	29.23

H. Diversity Factor

All India Demand Diversity Factor	1.007
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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 : 26-Sep-19

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	485	0.0	7.5	-7.5	
2		SASARAM-FATEHPUR	S/C	44	192	0.0	1.1	-1.1	
3		GAYA-BALIA	S/C	0	278	0.0	5.5	-5.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	1200	0.0	26.5	-26.5	
5		PUSAULI B/B	S/C	0	196	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	152	0.0	3.0	-3.0	
7		PUSAULI -ALLAHABAD	S/C	0	103	0.0	1.7	-1.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	800	0.0	12.9	-12.9	
9		PATNA-BALIA	Q/C	0	834	0.0	15.1	-15.1	
10		BIHARSHARIFF-BALIA	D/C	0	216	0.0	3.5	-3.5	
11		MOTIHARI-GORAKHPUR	D/C	1	4	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	43	174	0.0	1.1	-1.1	
13		PUSAULI-SAHUPURI	S/C	0	159	0.0	2.9	-2.9	
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>0.4</b>	<b>85.4</b>	<b>-85.1</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1222	0	21.4	0.0	21.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	673	0	10.3	0.0	10.3	
20		JHARSUGUDA-DURG	D/C	212	0	2.9	0.0	2.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	384	19	3.2	0.0	3.2	
22		RANCHI-SIPAT	D/C	257	0	3.5	0.0	3.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	18	77	0.0	0.7	-0.7	
24		BUDHIPADAR-KORBA	D/C	163	0	2.3	0.0	2.3	
<b>ER-WR</b>						<b>43.7</b>	<b>0.7</b>	<b>43.0</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1372.0	0.0	19.7	-19.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	309.0	0.0	7.3	0.0	7.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1181.0	0.0	22.4	-22.4	
28	400 kV	TALCHER-I/C	D/C	151.0	664.0	0.0	9.0	-9.0	
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>42.2</b>	<b>-34.8</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	425	0.0	4.5	-5	
31		ALIPURDUAR-BONGAIGAON	D/C	215	206	2.1	0.0	2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	10	88	0.0	0.5	-1	
<b>ER-NER</b>						<b>2.1</b>	<b>5.0</b>	<b>-3.0</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	15.8	-15.8	
<b>NER-NR</b>						<b>0.0</b>	<b>15.8</b>	<b>-15.8</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1506	0.0	24.8	-24.8	
35		V'CHAL B/B	D/C	450	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1919	0.0	42.0	-42.0	
37	765 kV	GWALIOR-AGRA	D/C	0	2016	0.0	38.2	-38.2	
38		PHAGI-GWALIOR	D/C	0	1357	0.0	27.5	-27.5	
39		JABALPUR-ORAI	D/C	0	744	0.0	30.5	-30.5	
40		GWALIOR-ORAI	S/C	298	0	5.7	0.0	5.7	
41		SATNA-ORAI	S/C	0	1331	0.0	30.6	-30.6	
42		CHITTORGARH-BANASKANTHA	D/C	10	946	0.0	13.9	-13.9	
43	400 kV	ZERDA-KANKROLI	S/C	94	128	0.2	1.4	-1.1	
44		ZERDA -BHINMAL	S/C	65	263	0.1	3.3	-3.3	
45		V'CHAL -RIHAND	S/C	976	0	22.5	0.0	22.5	
46		RAPP-SHUJALPUR	D/C	0	362	0	6	-6	
47	220 kV	BHANPURA-RANPUR	S/C	4	63	0.0	0.9	-0.9	
48		BHANPURA-MORAK	S/C	0	116	0.0	1.6	-1.6	
49		MEHGAON-AURAIYA	S/C	79	0	0.9	0.0	0.9	
50		MALANPUR-AURAIYA	S/C	52	14	0.3	0.1	0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>41.8</b>	<b>220.6</b>	<b>-178.9</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	195	0	4.9	0.0	4.9	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1617	415	8.7	0.0	8.7	
55		WARDHA-NIZAMABAD	D/C	67	1528	0.0	18.1	-18.1	
56	400 kV	KOLHAPUR-KUDGI	D/C	840	0	13.2	0.0	13.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	64	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7	
<b>WR-SR</b>						<b>27.5</b>	<b>19.4</b>	<b>8.2</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>44.4</b>	
61		NEPAL						<b>-3.3</b>	
62		BANGLADESH						<b>-25.2</b>	