



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: 09<sup>th</sup>Sep 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 08.09.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08<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

9-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)	55761	41076	38239	20611	2704	158391
Peak Shortage (MW)	504	0	33	0	186	723
Energy Met (MU)	1293	954	886	444	52	3629
Hydro Gen (MU)	368	119	152	134	20	794
Wind Gen (MU)	4	66	176	-----	-----	246
Solar Gen (MU)*	29.08	13.87	60.01	2.12	0.02	105
Energy Shortage (MU)	9.4	0.0	0.0	0.0	1.1	10.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58691 22:53	42641 19:31	38935 19:22	21205 20:46	2659 18:44	161622 20:23

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	0.027	0.00	0.01	4.05	4.06	72.44	23.50

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	9914	0	224.1	138.4	-1.2	31	0.0
	Haryana	9132	0	198.2	143.8	0.4	245	0.0
	Rajasthan	9735	0	219.8	73.5	-1.5	340	0.0
	Delhi	6018	0	116.7	93.9	0.0	144	0.0
	UP	20254	0	423.8	229.8	2.0	1208	0.0
	Uttarakhand	1783	0	38.0	14.6	-0.3	191	0.0
	HP	1299	15	28.2	0.5	-3.5	14	0.0
	J&K	1974	493	39.3	17.9	-1.6	125	9.4
WR	Chandigarh	278	0	5.5	6.2	-0.7	1	0.0
	Chhattisgarh	3386	0	74.4	21.1	-1.4	689	0.0
	Gujarat	12368	0	276.3	80.1	5.7	529	0.0
	MP	8141	0	180.0	76.8	-3.8	332	0.0
	Maharashtra	17237	0	381.2	111.0	0.1	336	0.0
	Goa	541	0	10.2	9.8	-0.2	24	0.0
	DD	302	0	6.9	6.5	0.4	35	0.0
	DNH	780	0	18.2	18.4	-0.1	32	0.0
SR	Essar steel	385	0	6.6	6.2	0.3	345	0.0
	Andhra Pradesh	7386	0	169.7	30.5	0.2	462	0.0
	Telangana	8835	0	188.1	44.8	-0.9	495	0.0
	Karnataka	8473	0	167.9	29.5	-7.5	389	0.0
	Kerala	3140	0	62.6	44.7	1.6	166	0.0
	Tamil Nadu	13017	0	290.2	118.1	-0.8	394	0.0
	Pondy	355	0	7.7	7.8	-0.2	24	0.0
	ER	Bihar	5605	0	112.6	107.8	0.6	0
DVC		2818	0	62.6	-28.4	1.0	180	0.0
Jharkhand		1285	0	23.2	15.4	-1.0	100	0.0
Odisha		4309	0	91.4	19.2	7.4	520	0.0
West Bengal		7659	0	153.1	59.0	0.6	210	0.0
Sikkim		77	0	0.8	1.1	-0.3	5	0.0
NER	Arunachal Pradesh	126	5	2.1	2.5	-0.4	48	0.0
	Assam	1756	59	33.3	27.8	0.5	196	1.0
	Manipur	172	4	2.5	2.6	-0.1	18	0.0
	Meghalaya	295	2	5.3	1.4	-0.3	38	0.0
	Mizoram	78	3	1.8	1.2	0.3	21	0.0
	Nagaland	139	5	2.2	2.3	-0.4	33	0.0
	Tripura	296	12	4.8	3.8	0.1	53	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	40.0	-5.4	-25.4
Day peak (MW)	1793.6	-381.4	-1094.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	293.0	-237.5	24.3	-81.2	8.5	7.1
Actual(MU)	285.7	-252.9	7.8	-52.4	8.6	-3.2
O/D/U/D(MU)	-7.4	-15.5	-16.4	28.8	0.2	-10.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4357	14440	8812	2010	736	30354
State Sector	9950	20509	10840	6030	50	47378
Total	14307	34948	19652	8040	786	77732

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	523	937	330	384	7	2182
Lignite	20	8	43	0	0	71
Hydro	368	119	152	134	20	794
Nuclear	27	31	58	0	0	116
Gas, Naptha & Diesel	33	39	16	0	21	110
RES (Wind, Solar, Biomass & Others)	50	85	284	2	0	421
Total	1021	1219	883	521	49	3693

Share of RES in total generation (%)	4.87	6.97	32.12	0.41	0.04	11.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.61	19.26	55.94	26.20	41.41	36.04

H. Diversity Factor

All India Demand Diversity Factor	1.016
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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 :	9-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	0	441	0.0	5.7	-5.7	
2		SASARAM-FATEHPUR	S/C	241	31	2.6	0.0	2.6	
3		GAYA-BALIA	S/C	0	428	0.0	7.3	-7.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	1100	0.0	22.1	-22.1	
5		PUSAULI B/B	S/C	0	196	0.0	5.0	-5.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	167	0.0	3.6	-3.6	
7		PUSAULI -ALLAHABAD	S/C	0	83	0.0	1.2	-1.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	803	0.0	12.4	-12.4	
9		PATNA-BALIA	Q/C	0	890	0.0	15.3	-15.3	
10		BIHARSHARIFF-BALIA	D/C	0	298	0.0	5.1	-5.1	
11		MOTIHARI-GORAKHPUR	D/C	0	14	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	86	149	0.0	0.1	-0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	186	0.0	3.6	-3.6	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3	
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>2.9</b>	<b>81.2</b>	<b>-78.3</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1211	0	18.2	0.0	18.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1096	0	19.5	0.0	19.5	
20		JHARSUGUDA-DURG	D/C	276	0	4.5	0.0	4.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	386	0	6.4	0.0	6.4	
22		RANCHI-SIPAT	D/C	382	0	6.9	0.0	6.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	107	0.0	1.8	-1.8	
24		BUDHIPADAR-KORBA	D/C	112	0	2.0	0.0	2.0	
						<b>ER-WR</b>	<b>57.4</b>	<b>1.8</b>	<b>55.6</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1395.0	0.0	23.1	-23.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	314.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	888.0	0.0	17.7	-17.7	
28	400 kV	TALCHER-I/C	D/C	270.0	87.0	2.7	0.0	2.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						<b>ER-SR</b>	<b>7.4</b>	<b>40.8</b>	<b>-33.4</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	690	0.0	11.2	-11	
31		ALIPURDUAR-BONGAIGAON	D/C	0	473	0.0	6.0	-6	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	148	0.0	2.5	-3	
						<b>ER-NER</b>	<b>0.0</b>	<b>19.8</b>	<b>-19.8</b>
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.2	-12.2	
						<b>NER-NR</b>	<b>0.0</b>	<b>12.2</b>	<b>-12.2</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2505	0.0	47.3	-47.3	
35		V'CHAL B/B	D/C	0	397	0.0	8.0	-8.0	
36		APL -MHG	D/C	0	1454	0.0	26.6	-26.6	
37	765 kV	GWALIOR-AGRA	D/C	0	2388	0.0	45.3	-45.3	
38		PHAGI-GWALIOR	D/C	0	1172	0.0	20.1	-20.1	
39		JABALPUR-ORAI	D/C	0	968	0.0	34.9	-34.9	
40		GWALIOR-ORAI	S/C	270	0	5.7	0.0	5.7	
41		SATNA-ORAI	S/C	0	1437	0.0	29.2	-29.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	965	0.0	7.0	7.0	
43		ZERDA-KANKROLI	S/C	56	165	0.2	1.2	-1.1	
44	400 kV	ZERDA -BHINMAL	S/C	61	249	0.1	2.3	-2.2	
45		V'CHAL -RIHAND	S/C	967	0	22.3	0.0	22.3	
46	220 kV	RAPP-SHUJALPUR	D/C	0	408	0	3	-3	
47		BHANPURA-RANPUR	S/C	36	41	0.1	0.3	-0.2	
48		BHANPURA-MORAK	S/C	0	71	0.0	1.0	-1.0	
49		MEHGAON-AURAIYA	S/C	41	19	0.2	0.0	0.2	
50	132kV	MALANPUR-AURAIYA	S/C	3	59	0.0	0.7	-0.7	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>28.6</b>	<b>226.8</b>	<b>-184.2</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	287	211	6.3	0.5	5.8	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	876	386	6.9	0.8	6.1	
55		WARDHA-NIZAMABAD	D/C	0	1457	0.0	20.2	-20.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	703	0	12.0	0.0	12.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	53	0.0	1.0	-1.0	
59		XELDEM-AMBEWADI	S/C	0	30	0.5	0.0	0.5	
						<b>WR-SR</b>	<b>25.7</b>	<b>22.5</b>	<b>3.3</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>40.0</b>	
61		NEPAL						<b>-5.4</b>	
62		BANGLADESH						<b>-25.4</b>	