



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: 27th 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 26.09.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th Sep 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

27-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)	52138	43510	37759	19217	2691	155315
Peak Shortage (MW)	1470	0	0	150	125	1745
Energy Met (MU)	1150	984	813	382	47	3377
Hydro Gen (MU)	279	113	145	127	28	691
Wind Gen (MU)	11	24	35	-----	-----	70
Solar Gen (MU)*	26.31	14	63.34	1.12	0.02	105
Energy Shortage (MU)	11.4	0.0	0.0	0.5	7.1	19.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53107 19:27	45391 18:53	38101 19:37	19582 19:28	2729 18:07	158009 19:11

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	0.041	0.00	0.84	2.03	2.87	66.20	30.93

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	9459	0	219.3	124.7	-0.8	55	0.0
	Haryana	8625	0	184.2	143.4	0.4	241	0.0
	Rajasthan	9929	0	226.6	80.6	0.5	363	0.0
	Delhi	4766	0	102.6	85.5	-0.8	134	0.0
	UP	14863	0	301.8	129.3	1.0	660	1.6
	Uttarakhand	1859	0	39.9	17.9	-0.3	142	0.0
	HP	1420	0	29.4	4.0	3.2	267	0.0
	J&K	2129	532	41.3	20.0	-1.8	192	9.8
WR	Chandigarh	241	0	5.2	5.9	-0.7	19	0.0
	Chhattisgarh	3747	0	84.2	32.1	-0.1	552	0.0
	Gujarat	14046	0	306.6	93.0	2.7	765	0.0
	MP	7887	0	162.9	72.8	-1.7	734	0.0
	Maharashtra	17890	0	385.4	173.1	-1.9	766	0.0
	Goa	541	0	11.9	11.3	0.0	55	0.0
	DD	327	0	7.4	7.0	0.4	42	0.0
	DNH	799	0	18.5	18.6	-0.1	41	0.0
SR	Essar steel	421	0	7.2	7.1	0.1	322	0.0
	Andhra Pradesh	6866	0	147.7	44.6	1.4	1053	0.0
	Telangana	7434	0	154.1	30.1	0.2	832	0.0
	Karnataka	7930	0	154.8	37.6	-3.5	565	0.0
	Kerala	3489	0	68.1	45.5	0.9	166	0.0
	Tamil Nadu	13467	0	280.9	129.4	-1.2	547	0.0
	Pondy	367	0	7.4	7.6	-0.2	34	0.0
	Bihar	4288	0	69.5	73.5	-5.0	490	0.0
ER	DVC	2754	0	59.7	-16.7	0.6	230	0.0
	Jharkhand	1103	0	21.8	15.6	-1.5	145	0.0
	Odisha	4273	0	87.6	16.7	10.8	795	0.5
	West Bengal	7466	0	142.8	53.7	-1.6	298	0.0
NER	Sikkim	97	0	1.0	1.7	-0.7	10	0.0
	Arunachal Pradesh	126	1	1.4	1.8	-0.4	65	0.0
	Assam	1719	103	28.8	23.2	0.2	101	7.0
	Manipur	161	2	2.4	2.2	0.3	16	0.0
	Meghalaya	331	0	6.4	-1.1	0.9	58	0.0
	Mizoram	101	1	1.6	0.4	1.0	32	0.0
	Nagaland	121	1	2.1	2.1	-0.2	3	0.0
	Tripura	289	3	4.5	4.4	-0.6	22	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	45.3	-4.5	-25.4
Day peak (MW)	1899.3	-280.4	-1094.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	286.5	-233.9	11.3	-58.0	-9.0	-3.1
Actual(MU)	269.8	-222.6	30.6	-66.0	-7.1	4.7
O/D/U/D(MU)	-16.8	11.3	19.3	-8.1	2.0	7.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3713	13220	8122	2530	306	27891
State Sector	10331	22109	8493	6000	11	46944
Total	14044	35328	16615	8530	317	74834

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	483	953	401	334	5	2176
Lignite	25	13	39	0	0	77
Hydro	279	113	145	127	28	691
Nuclear	27	28	60	0	0	115
Gas, Naptha & Diesel	39	63	17	0	27	146
RES (Wind, Solar, Biomass & Others)	49	41	134	1	0	225
Total	903	1209	796	462	60	3430

Share of RES in total generation (%)	5.46	3.37	16.80	0.25	0.03	6.56
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.37	14.96	42.50	27.70	47.03	30.05

H. Diversity Factor

All India Demand Diversity Factor	1.006
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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 : 27-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)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	586	0.0	8.8	-8.8	
2		SASARAM-FATEHPUR	S/C	50	256	0.0	1.9	-1.9	
3		GAYA-BALIA	S/C	0	298	0.0	5.1	-5.1	
4		ALIPURDUAR-AGRA	-	0	1001	0.0	24.9	-24.9	
5		PUSAULI B/B	S/C	0	196	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	138	0.0	2.7	-2.7	
7		PUSAULI -ALLAHABAD	S/C	0	119	0.0	1.9	-1.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	999	0.0	14.9	-14.9	
9		PATNA-BALIA	Q/C	0	802	0.0	12.7	-12.7	
10		BIHARSHARIFF-BALIA	D/C	0	276	0.0	3.9	-3.9	
11		MOTIHARI-GORAKHPUR	D/C	2	4	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	48	270	0.0	2.0	-2.0	
13		PUSAULI-SAHUPURI	S/C	0	151	0.0	2.6	-2.6	
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	
ER-NR						0.3	86.1	-85.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1604	0	25.7	0.0	25.7	
19		NEW RANCHI-DHARAMAJGARH	D/C	723	46	12.1	0.0	12.1	
20		JHARSUGUDA-DURG	D/C	239	0	3.5	0.0	3.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	280	82	2.9	0.0	2.9	
22		RANCHI-SIPAT	D/C	275	12	4.2	0.0	4.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	21	50	0.0	0.8	-0.8	
24		BUDHIPADAR-KORBA	D/C	142	0	2.4	0.0	2.4	
ER-WR						50.8	0.8	50.0	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1569.0	0.0	22.6	-22.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	310.0	0.0	7.3	0.0	7.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1090.0	0.0	25.8	-25.8	
28	400 kV	TALCHER-I/C	D/C	170.0	631.0	0.0	11.8	-11.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.3	48.4	-41.1	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	540	0.0	4.8	-5	
31		ALIPURDUAR-BONGAIGAON	D/C	190	338	0.0	0.0	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	4	120	0.0	1.3	-1	
ER-NER						0.0	6.2	-6.2	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	604	0.0	14.6	-14.6	
NER-NR						0.0	14.6	-14.6	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1009	0.0	6.8	-6.8	
35		V'CHAL B/B	D/C	450	492	4.7	6.7	-2.0	
36		APL -MHG	D/C	0	1919	0.0	36.1	-36.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2322	0.0	45.4	-45.4	
38		PHAGI-GWALIOR	D/C	0	1548	0.0	30.8	-30.8	
39		JABALPUR-ORAI	D/C	0	839	0.0	33.2	-33.2	
40		GWALIOR-ORAI	S/C	416	0	8.4	0.0	8.4	
41		SATNA-ORAI	S/C	0	1377	0.0	28.4	-28.4	
42		CHITTORGARH-BANASKANTHA	D/C	4	1064	0.0	8.6	-8.6	
43	400 kV	ZERDA-KANKROLI	S/C	88	142	0.2	1.2	-1.0	
44		ZERDA -BHINMAL	S/C	175	218	0.6	2.7	-2.1	
45		V'CHAL -RIHAND	S/C	968	0	22.2	0.0	22.2	
46		RAPP-SHUJALPUR	D/C	0	462	0	4	-4	
47	220 kV	BHANPURA-RANPUR	S/C	1	64	0.0	0.9	-0.9	
48		BHANPURA-MORAK	S/C	0	103	0.0	1.6	-1.6	
49		MEHGAON-AURAIYA	S/C	83	0	1.0	0.0	1.0	
50		MALANPUR-AURAIYA	S/C	60	9	0.3	0.0	0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						37.4	206.0	-168.6	
Import/Export of WR (With SR)									
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	1598	1059	9.7	4.8	4.9	
55		WARDHA-NIZAMABAD	D/C	0	1636	0.0	21.1	-21.1	
56	400 kV	KOLHAPUR-KUDGI	D/C	1017	0	17.2	0.0	17.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	61	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	35	0.8	0.0	0.8	
WR-SR						32.5	27.3	5.2	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						45.3	
61		NEPAL						-4.5	
62		BANGLADESH						-25.4	