



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: 28th 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., डोंगतेह, 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 27.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th 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

28-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)	51361	43356	37881	19663	2665	154926
Peak Shortage (MW)	504	0	0	100	163	767
Energy Met (MU)	1088	958	834	378	48	3306
Hydro Gen (MU)	286	112	153	126	27	703
Wind Gen (MU)	9	27	16	-----	-----	52
Solar Gen (MU)*	26.28	12.5	75.92	1.61	0.03	116
Energy Shortage (MU)	10.4	0.0	0.0	0.3	1.1	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	51342 19:21	44400 19:09	39290 18:49	19672 19:25	2708 18:10	156096 19:17

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	0.028	0.00	0.00	0.98	0.98	69.11	29.91

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	197.7	125.6	-1.8	267	0.0
	Haryana	8256	0	179.5	142.8	0.1	151	0.0
	Rajasthan	9945	0	222.0	89.6	0.2	439	0.0
	Delhi	4682	0	100.9	84.7	-1.4	110	0.0
	UP	14497	0	276.3	125.7	-0.5	447	1.0
	Uttarakhand	1754	0	38.8	17.2	-0.9	64	0.0
	HP	1390	0	28.7	8.5	-1.2	107	0.0
	J&K	2122	531	39.5	19.5	-2.9	201	9.4
WR	Chandigarh	228	0	4.7	5.6	-0.9	19	0.0
	Chhattisgarh	3634	0	81.3	34.3	0.8	432	0.0
	Gujarat	13189	0	289.4	90.4	5.4	686	0.0
	MP	7664	0	162.4	81.7	-3.4	519	0.0
	Maharashtra	17875	0	379.7	155.5	-0.6	526	0.0
	Goa	541	0	11.9	11.3	0.0	103	0.0
	DD	334	0	7.5	7.0	0.5	169	0.0
	DNH	782	0	18.4	18.5	-0.1	129	0.0
SR	Essar steel	427	0	7.6	7.0	0.6	322	0.0
	Andhra Pradesh	7045	0	149.7	56.9	3.8	786	0.0
	Telangana	7166	0	148.7	31.9	-2.2	503	0.0
	Karnataka	8240	0	164.7	45.4	1.7	787	0.0
	Kerala	3567	0	70.2	47.7	1.1	186	0.0
	Tamil Nadu	13422	0	293.5	142.6	0.1	494	0.0
	Pondy	381	0	7.7	7.8	-0.2	41	0.0
	ER	Bihar	3998	0	70.4	72.2	-2.0	70
DVC		2798	0	59.1	-21.0	-0.2	310	0.0
Jharkhand		1223	0	22.1	14.1	-1.0	115	0.0
Odisha		4394	0	84.1	16.1	9.8	608	0.3
West Bengal		7730	0	140.9	50.4	0.3	20	0.0
Sikkim		94	0	1.0	1.2	-0.2	255	0.0
NER	Arunachal Pradesh	120	3	1.9	2.1	-0.2	37	0.0
	Assam	1686	68	29.6	23.4	0.4	156	1.0
	Manipur	165	4	2.3	2.3	0.0	21	0.0
	Meghalaya	358	0	6.1	1.0	-0.1	63	0.0
	Mizoram	89	1	1.7	0.5	0.9	17	0.0
	Nagaland	122	2	2.1	2.3	-0.4	31	0.0
	Tripura	271	4	4.4	4.8	-0.9	23	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.7	-4.5	-16.2
Day peak (MW)	1787.1	-305.6	-1104.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	294.4	-255.2	48.7	-82.6	-4.8	0.6
Actual(MU)	263.0	-249.2	70.6	-81.9	-6.5	-4.0
O/D/U/D(MU)	-31.4	6.0	21.9	0.6	-1.7	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3730	11900	8622	2070	403	26725
State Sector	10981	23376	10333	5360	11	50061
Total	14711	35275	18955	7430	414	76786

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	421	957	372	340	7	2096
Lignite	21	13	41	0	0	74
Hydro	286	112	153	126	27	703
Nuclear	27	27	60	0	0	114
Gas, Naptha & Diesel	40	60	16	0	26	142
RES (Wind, Solar, Biomass & Others)	48	41	124	2	0	214
Total	843	1208	766	467	60	3344

Share of RES in total generation (%)	5.67	3.39	16.16	0.35	0.05	6.41
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.84	14.85	44.03	27.26	44.77	30.86

H. Diversity Factor

All India Demand Diversity Factor	1.008
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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 : 28-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	573	0.0	9.7	-9.7
2		SASARAM-FATEHPUR	S/C	0	215	0.0	2.9	-2.9
3		GAYA-BALIA	S/C	0	318	0.0	6.1	-6.1
4	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	24.0	-24.0
5		PUSAULI B/B	S/C	0	196	0.0	5.0	-5.0
6	400 kV	PUSAULI-VARANASI	S/C	0	141	0.0	2.7	-2.7
7		PUSAULI -ALLAHABAD	S/C	0	128	0.0	2.2	-2.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	906	0.0	15.4	-15.4
9		PATNA-BALIA	Q/C	0	845	0.0	15.0	-15.0
10		BIHARSHARIFF-BALIA	D/C	0	292	0.0	4.9	-4.9
11		MOTIHARI-GORAKHPUR	D/C	0	4	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	29	226	0.0	2.3	-2.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	118	0.0	2.0	-2.0
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.2	0.0	0.2
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						0.2	92.1	-91.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1763	0	32.4	0.0	32.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	779	98	10.7	0.0	10.7
20		JHARSUGUDA-DURG	D/C	267	0	3.7	0.0	3.7
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	206	154	2.0	0.0	2.0
22		RANCHI-SIPAT	D/C	245	50	3.3	0.0	3.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	14	57	0.0	0.6	-0.6
24		BUDHIPADAR-KORBA	D/C	165	0	2.6	0.0	2.6
ER-WR						54.7	0.6	54.1
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1853.0	0.0	31.1	-31.1
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	313.0	0.0	7.3	0.0	7.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1780.0	0.0	31.8	-31.8
28	400 kV	TALCHER-I/C	D/C	197.0	1194.0	0.0	17.2	-17.2
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						7.3	62.9	-55.5
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	447	0.0	4.9	-5
31		ALIPURDUAR-BONGAIGAON	D/C	121	234	0.0	0.4	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	102	0.0	1.2	-1
ER-NER						0.0	6.5	-6.5
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	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	0	0.0	0.0	0.0
35		V'CHAL B/B	D/C	452	490	6.7	1.5	5.1
36		APL -MHG	D/C	0	1919	0.0	39.1	-39.1
37	765 kV	GWALIOR-AGRA	D/C	0	2429	0.0	44.0	-44.0
38		PHAGI-GWALIOR	D/C	0	1555	0.0	32.5	-32.5
39		JABALPUR-ORAI	D/C	0	881	0.0	34.3	-34.3
40		GWALIOR-ORAI	S/C	475	0	8.9	0.0	8.9
41		SATNA-ORAI	S/C	0	1485	0.0	30.5	-30.5
42		CHITTORGARH-BANASKANTHA	D/C	0	1006	0.0	8.0	-8.0
43		ZERDA-KANKROLI	S/C	48	145	0.1	2.0	-1.9
44	400 kV	ZERDA -BHINMAL	S/C	34	218	0.0	3.2	-3.1
45		V'CHAL -RIHAND	S/C	971	0	22.1	0.0	22.1
46	220 kV	RAPP-SHUJALPUR	D/C	0	446	0	4	-4
47		BHANPURA-RANPUR	S/C	26	60	0.0	0.8	-0.8
48		BHANPURA-MORAK	S/C	0	99	0.0	1.3	-1.3
49		MEHGAON-AURAIYA	S/C	100	0	1.1	0.0	1.1
50	132kV	MALANPUR-AURAIYA	S/C	64	14	0.4	0.0	0.4
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.3	201.6	-162.3
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	199	0	4.8	0.0	4.8
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	478	1348	1.2	15.9	-14.7
55		WARDHA-NIZAMABAD	D/C	0	1882	0.0	32.5	-32.5
56	400 kV	KOLHAPUR-KUDGI	D/C	769	0	10.9	0.0	10.9
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	61	0.0	1.3	-1.3
59		XELDEM-AMBEWADI	S/C	1	35	0.8	0.0	0.8
WR-SR						17.7	49.7	-32.0
TRANSNATIONAL EXCHANGE								
60		BHUTAN						41.7
61		NEPAL						-4.5
62		BANGLADESH						-16.2