



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: 29th 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 28.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th 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

29-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)	45156	42812	36728	17621	2586	144903
Peak Shortage (MW)	455	0	0	0	235	690
Energy Met (MU)	999	943	848	349	49	3187
Hydro Gen (MU)	269	101	166	127	24	687
Wind Gen (MU)	9	41	13	-----	-----	63
Solar Gen (MU)*	26.02	14.1	78.10	1.50	0.03	120
Energy Shortage (MU)	10.6	0.0	0.0	0.0	4.5	15.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45953 19:27	44291 19:04	37732 18:40	17728 19:26	2674 18:32	147056 19:08

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	1.48	1.48	65.21	33.31

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	8066	0	165.1	110.4	-1.6	49	0.0
	Haryana	7924	0	169.3	140.2	0.2	203	0.0
	Rajasthan	9360	0	210.8	75.4	-0.8	431	0.0
	Delhi	4276	0	94.6	78.9	-1.0	132	0.0
	UP	13646	0	261.3	123.8	1.6	71	3.3
	Uttarakhand	1662	0	36.5	13.6	0.2	117	0.0
	HP	1409	0	27.3	7.1	-0.8	66	0.0
	J&K	1950	488	30.1	14.5	-1.4	286	7.2
WR	Chandigarh	204	0	4.3	5.1	-0.8	9	0.0
	Chhattisgarh	3528	0	80.8	33.3	1.2	420	0.0
	Gujarat	12472	0	279.2	85.8	3.0	674	0.0
	MP	7419	0	152.4	70.5	-3.3	334	0.0
	Maharashtra	18044	0	385.6	159.2	-0.2	531	0.0
	Goa	541	0	11.9	11.1	0.2	55	0.0
	DD	329	0	7.4	6.9	0.5	45	0.0
	DNH	789	0	18.4	18.5	-0.1	76	0.0
SR	Essar steel	380	0	7.2	6.9	0.3	567	0.0
	Andhra Pradesh	6988	0	154.2	57.8	4.8	911	0.0
	Telangana	7472	0	160.2	35.7	-0.7	628	0.0
	Karnataka	8250	0	163.0	39.0	3.0	685	0.0
	Kerala	3421	0	71.3	45.5	1.5	183	0.0
	Tamil Nadu	12960	0	291.6	146.9	3.1	888	0.0
	Pondy	379	0	7.8	7.6	0.2	65	0.0
	ER	Bihar	3320	0	53.0	60.8	-7.9	80
DVC		2917	0	57.8	-17.3	0.0	210	0.0
Jharkhand		1168	0	20.1	12.8	-1.5	8	0.0
Odisha		4034	0	83.2	17.0	8.4	650	0.0
West Bengal		7143	0	133.4	52.1	-3.7	190	0.0
Sikkim		96	0	1.2	1.5	-0.3	10	0.0
NER	Arunachal Pradesh	117	2	2.3	2.2	0.1	54	0.0
	Assam	1630	153	29.4	23.3	0.6	120	4.5
	Manipur	159	3	2.4	2.2	0.2	37	0.0
	Meghalaya	344	0	6.1	1.5	-0.1	89	0.0
	Mizoram	92	2	1.4	1.1	0.3	40	0.0
	Nagaland	122	3	2.2	2.4	-0.5	16	0.0
	Tripura	269	2	4.7	4.4	-0.6	38	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	44.2	-2.3	-25.5
Day peak (MW)	1960.3	-105.4	-1098.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	271.8	-242.5	46.3	-71.5	1.7	5.9
Actual(MU)	249.2	-234.8	78.1	-84.7	-5.2	2.5
O/D/U/D(MU)	-22.6	7.8	31.7	-13.3	-6.9	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4060	14785	8622	2070	403	29941
State Sector	13211	23961	10053	7360	11	54596
Total	17271	38746	18675	9430	414	84536

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	372	920	367	324	8	1991
Lignite	22	13	41	0	0	76
Hydro	269	101	166	127	24	687
Nuclear	23	29	60	0	0	112
Gas, Naptha & Diesel	40	62	16	0	27	145
RES (Wind, Solar, Biomass & Others)	47	59	123	2	0	231
Total	774	1182	773	452	59	3241

Share of RES in total generation (%)	6.10	4.96	15.95	0.34	0.05	7.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.89	15.91	45.13	28.37	41.23	31.77

H. Diversity Factor

All India Demand Diversity Factor	1.009
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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 : 29-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	490	0.0	8.6	-8.6
2		SASARAM-FATEHPUR	S/C	0	257	0.0	4.1	-4.1
3		GAYA-BALIA	S/C	0	302	0.0	4.6	-4.6
4	HVDC	ALIPURDUAR-AGRA	-	0	1201	0.0	25.4	-25.4
5		PUSAULI B/B	S/C	0	195	0.0	4.8	-4.8
6	400 kV	PUSAULI-VARANASI	S/C	0	145	0.0	2.5	-2.5
7		PUSAULI -ALLAHABAD	S/C	0	123	0.0	2.1	-2.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	895	0.0	14.8	-14.8
9		PATNA-BALIA	Q/C	0	845	0.0	15.6	-15.6
10		BIHARSHARIFF-BALIA	D/C	0	292	0.0	5.2	-5.2
11		MOTIHARI-GORAKHPUR	D/C	0	6	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	44	204	0.0	2.5	-2.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	116	0.0	1.9	-1.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.3	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	92.0	-91.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1769	0	36.3	0.0	36.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	883	0	10.3	0.0	10.3
20		JHARSUGUDA-DURG	D/C	305	0	4.4	0.0	4.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	254	80	1.9	0.0	1.9
22		RANCHI-SIPAT	D/C	289	0	3.6	0.0	3.6
23	220 kV	BUDHIPADAR-RAIGARH	S/C	4	80	0.0	1.0	-1.0
24		BUDHIPADAR-KORBA	D/C	148	0	2.6	0.0	2.6
ER-WR						59.1	1.0	58.1
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2031.0	0.0	34.0	-34.0
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	313.0	0.0	7.4	0.0	7.4
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1780.0	0.0	32.9	-32.9
28	400 kV	TALCHER-I/C	D/C	0.0	1210.0	0.0	18.2	-18.2
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						7.4	66.9	-59.5
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	565	0.0	6.4	-6
31		ALIPURDUAR-BONGAIGAON	D/C	159	210	0.0	1.2	-1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	120	0.0	1.6	-2
ER-NER						0.0	9.2	-9.2
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	15.9	-15.9
NER-NR						0.0	15.9	-15.9
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3	0.0	0.0	0.0
35		V'CHAL B/B	D/C	451	0	10.9	0.0	10.9
36		APL -MHG	D/C	0	1741	0.0	33.4	-33.4
37	765 kV	GWALIOR-AGRA	D/C	0	2257	0.0	41.4	-41.4
38		PHAGI-GWALIOR	D/C	0	1393	0.0	28.6	-28.6
39		JABALPUR-ORAI	D/C	0	823	0.0	30.3	-30.3
40		GWALIOR-ORAI	S/C	406	0	7.3	0.0	7.3
41		SATNA-ORAI	S/C	0	1417	0.0	29.8	-29.8
42		CHITTORGARH-BANASKANTHA	D/C	52	814	0.0	6.5	-6.5
43		ZERDA-KANKROLI	S/C	88	126	0.4	0.9	-0.5
44	400 kV	ZERDA -BHINMAL	S/C	108	160	0.3	1.3	-1.0
45		V'CHAL -RIHAND	S/C	956	0	19.1	0.0	19.1
46	220 kV	RAPP-SHUJALPUR	D/C	0	493	0	4	-4
47		BHANPURA-RANPUR	S/C	17	65	0.0	0.7	-0.7
48		BHANPURA-MORAK	S/C	0	91	0.0	1.4	-1.4
49		MEHGAON-AURAIYA	S/C	73	0	0.9	0.0	0.9
50	132kV	MALANPUR-AURAIYA	S/C	40	14	0.3	0.0	0.3
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.2	178.3	-139.1
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	199	809	3.5	5.2	-1.7
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	297	1340	0.5	13.9	-13.4
55		WARDHA-NIZAMABAD	D/C	0	2081	0.0	32.5	-32.5
56	400 kV	KOLHAPUR-KUDGI	D/C	747	0	11.6	0.0	11.6
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	65	0.0	1.3	-1.3
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7
WR-SR						16.3	52.8	-36.5
TRANSNATIONAL EXCHANGE								
60		BHUTAN						44.2
61		NEPAL						-2.3
62		BANGLADESH						-25.5