



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: 01st Oct 2020

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 30.09.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 30-सितंबर-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 30th September 2020, 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

1-Oct-20

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)	58732	48015	35868	21300	2933	166848
Peak Shortage (MW)	0	0	0	0	9	9
Energy Met (MU)	1268	1117	806	468	56	3714
Hydro Gen (MU)	218	95	125	136	25	599
Wind Gen (MU)	10	31	100	-----	-----	142
Solar Gen (MU)*	39.97	28.16	68.58	1.29	0.10	138
Energy Shortage (MU)	0.6	0.0	0.0	0.0	0.0	0.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58533 19:16	49066 18:46	36569 18:40	21777 00:03	2997 18:56	167412 19:18

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	0.018	0.00	0.00	0.86	0.86	82.97	16.17

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	9437	0	208.6	134.0	-1.5	70	0.0
	Haryana	8365	0	185.7	139.0	0.7	195	0.0
	Rajasthan	11120	0	245.7	78.0	0.4	415	0.0
	Delhi	4745	0	102.4	91.5	-1.1	101	0.0
	UP	20597	0	403.0	174.7	-2.6	646	0.6
	Uttarakhand	1869	0	39.7	23.0	-0.4	152	0.0
	HP	1463	0	30.6	11.9	1.0	217	0.0
	J&K(UT) and Ladakh(UT)	2637	0	47.6	31.9	0.7	245	0.0
WR	Chhattisgarh	3877	0	94.7	33.4	0.9	266	0.0
	Gujarat	15337	0	339.8	77.6	1.8	538	0.0
	MP	9431	0	216.2	112.0	-2.0	500	0.0
	Maharashtra	18723	0	413.0	148.0	-2.3	506	0.0
	Goa	480	0	9.7	9.2	-0.1	46	0.0
	DD	326	0	7.3	7.3	0.0	17	0.0
	DNH	778	0	18.2	18.2	0.0	9	0.0
	AMNSIL	784	0	17.6	2.6	0.6	300	0.0
SR	Andhra Pradesh	7088	0	150.5	69.0	0.0	600	0.0
	Telangana	7706	0	156.4	43.8	-0.1	545	0.0
	Karnataka	7930	0	152.1	56.4	1.4	468	0.0
	Kerala	3305	0	67.5	37.0	0.4	353	0.0
	Tamil Nadu	12683	0	272.7	138.0	-4.4	442	0.0
	Puducherry	358	0	7.2	7.7	-0.6	17	0.0
ER	Bihar	5648	0	113.0	108.7	-0.9	456	0.0
	DVC	3153	0	66.8	-47.7	0.3	282	0.0
	Jharkhand	1438	0	29.7	22.6	-1.5	93	0.0
	Odisha	4138	0	88.6	17.8	0.8	374	0.0
	West Bengal	7817	0	168.8	61.2	0.6	593	0.0
NER	Sikkim	87	0	1.2	1.4	-0.2	13	0.0
	Arunachal Pradesh	121	1	2.0	1.8	0.2	28	0.0
	Assam	1938	7	36.4	32.3	0.8	159	0.0
	Manipur	189	2	2.5	2.6	-0.1	27	0.0
	Meghalaya	325	0	5.9	0.6	-0.1	71	0.0
	Mizoram	96	1	1.5	1.1	0.1	11	0.0
	Nagaland	127	2	2.3	2.4	-0.4	13	0.0
Tripura	268	1	5.0	6.9	0.2	85	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	49.4	-2.2	-25.8
Day peak (MW)	2134.0	-253.3	-1094.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	374.2	-352.9	86.1	-108.6	1.2	0.0
Actual(MU)	374.6	-359.6	82.0	-101.5	3.7	-1.0
O/D/U/D(MU)	0.4	-6.7	-4.1	7.1	2.5	-1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5785	14707	11712	1805	525	34533
State Sector	10469	17651	15597	6477	112	50306
Total	16254	32358	27309	8282	637	84840

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	550	1248	322	460	6	2587
Lignite	27	11	19	0	0	58
Hydro	218	95	125	136	25	599
Nuclear	27	21	69	0	0	117
Gas, Naptha & Diesel	24	59	15	0	27	125
RES (Wind, Solar, Biomass & Others)	62	60	195	1	0	320
Total	909	1493	747	597	58	3805

Share of RES in total generation (%)	6.88	4.03	26.16	0.22	0.17	8.40
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.82	11.75	52.19	22.91	43.44	27.20

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.009
Based on State Max Demands	1.043

Diversity factor = Sum of regional or state-wise 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 : **1-Oct-20**

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)								
4	HVDC	ALIPURDUAR-AGRA	D/C	0	999	0.0	23.5	-23.5
5		PUSAULI B/B	-	0	299	0.0	7.4	-7.4
1	765kV	GAYA-VARANASI	D/C	0	532	0.0	8.5	-8.5
2		SASARAM-FATEHPUR	S/C	228	84	1.9	0.0	1.9
3		GAYA-BALIA	S/C	0	504	0.0	9.4	-9.4
6	400 kV	PUSAULI-VARANASI	S/C	0	240	0.0	5.1	-5.1
7		PUSAULI -ALLAHABAD	S/C	0	132	0.0	2.3	-2.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	600	0.0	9.9	-9.9
9		PATNA-BALIA	Q/C	0	913	0.0	16.7	-16.7
10		BIHARSHARIFF-BALIA	D/C	0	366	0.0	6.8	-6.8
11		MOTIHARI-GORAKHPUR	D/C	0	305	0.0	5.0	-5.0
12		BIHARSHARIFF-VARANASI	D/C	114	137	0.0	0.2	-0.2
13		220 kV	PUSAULI-SAHUPURI	S/C	0	129	0.0	2.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	20	0	0.6	0.0	0.6
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						2.5	97.1	-94.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	808	0	12.4	0.0	12.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	1298	0	16.9	0.0	16.9
20		JHARSUGUDA-DURG	D/C	160	61	1.8	0.0	1.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	396	0	6.0	0.0	6.0
22		RANCHI-SIPAT	D/C	455	0	7.6	0.0	7.6
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	124	0.0	1.9	-1.9
24		BUDHIPADAR-KORBA	D/C	167	0	2.1	0.0	2.1
ER-WR						46.8	1.9	44.8
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	-	0.0	583.0	0.0	13.4	-13.4
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1644.0	0.0	29.2	-29.2
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2252.0	0.0	38.3	-38.3
28	400 kV	TALCHER-I/C	D/C	1519.0	42.0	11.3	0.0	11.3
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	80.9	-80.9
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	479	0.0	7.0	-7
31		ALIPURDUAR-BONGAIGAON	D/C	0	540	0.0	6.9	-7
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	142	0.0	2.3	-2
ER-NER						0.0	16.2	-16.2
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	D/C	0	603	0.0	14.8	-14.8
NER-NR						0.0	14.8	-14.8
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1755	0.0	76.5	-76.5
35		V'CHAL B/B	D/C	0	398	0.0	5.2	-5.2
36		APL -MHG	D/C	0	1918	0.0	38.8	-38.8
37	765 kV	GWALIOR-AGRA	D/C	0	2784	0.0	55.4	-55.4
38		PHAGI-GWALIOR	D/C	0	1233	0.0	23.6	-23.6
39		JABALPUR-ORAI	D/C	0	1091	0.0	42.4	-42.4
40		GWALIOR-ORAI	S/C	443	0	8.6	0.0	8.6
41		SATNA-ORAI	S/C	0	1578	0.0	34.2	-34.2
42		CHITTORGARH-BANASKANTHA	D/C	0	1068	0.0	16.7	-16.7
43		400 kV	ZERDA-KANKROLI	S/C	11	190	0.0	2.5
44	ZERDA -BHINMAL		S/C	0	268	0.0	4.2	-4.2
45	V'CHAL -RIHAND		S/C	982	0	22.6	0.0	22.6
46	RAPP-SHUJALPUR		D/C	0	460	0	9	-9
47	220 kV	BHANPURA-RANPUR	S/C	11	0	0.0	2.2	-2.2
48		BHANPURA-MORAK	S/C	0	135	0.0	2.4	-2.4
49		MEHGAON-AURAIYA	S/C	104	12	0.2	0.3	-0.2
50		MALANPUR-AURAIYA	S/C	56	49	0.8	0.0	0.8
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						32.1	312.9	-280.8
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	518	0.0	11.9	-11.9
53		RAIGARH-PUGLUR	D/C	0	300	0.0	5.2	-5.2
54	765 kV	SOLAPUR-RAICHUR	D/C	815	1690	0.0	6.0	-6.0
55		WARDHA-NIZAMABAD	D/C	0	1941	0.0	22.2	-22.2
56	400 kV	KOLHAPUR-KUDGI	D/C	741	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	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	76	1.5	0.0	1.5
WR-SR						13.1	45.3	-32.2
TRANSNATIONAL EXCHANGE								
60		BHUTAN						49.4
61		NEPAL						-2.2
62		BANGLADESH						-25.8