



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: 11th Nov 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 10.11.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-नवम्बर-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 10th Nov 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

11-Nov-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 1900 hrs; from RLDCs)	40302	43114	34692	17601	2184	137893
Peak Shortage (MW)	481	0	0	0	97	578
Energy Met (MU)	820	985	808	326	39	2978
Hydro Gen (MU)	127	34	131	58	12	362
Wind Gen (MU)	10	45	9	-----	-----	64
Solar Gen (MU)*	30.68	20.2	74.65	1.61	0.01	127
Energy Shortage (MU)	8.3	0.0	0.0	0.0	1.1	9.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	40183 18:49	44443 18:30	35935 18:33	17383 18:34	2169 17:21	139441 18:32

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	0.024	0.00	0.00	1.76	1.76	78.18	20.06

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	4584	0	94.2	44.1	-1.3	7	0.0
	Haryana	5058	0	102.6	100.4	0.8	182	0.0
	Rajasthan	10916	0	211.3	69.0	-0.5	416	0.0
	Delhi	3083	0	59.6	42.6	0.4	196	0.0
	UP	14316	0	260.4	121.2	0.0	669	0.9
	Uttarakhand	1629	0	31.5	16.3	-0.2	141	0.0
	HP	1378	0	25.9	16.5	-0.2	120	0.0
	J&K	1925	481	31.3	25.5	-1.7	201	7.4
WR	Chandigarh	163	0	3.0	3.0	0.0	18	0.0
	Chhattisgarh	3364	0	72.5	25.3	-1.3	172	0.0
	Gujarat	13134	0	287.8	77.0	0.5	544	0.0
	MP	9931	0	204.4	132.1	-2.5	196	0.0
	Maharashtra	17117	0	378.3	127.1	-1.7	415	0.0
	Goa	541	0	12.2	10.1	1.5	90	0.0
	DD	293	0	6.6	6.2	0.4	50	0.0
	DNH	742	0	17.5	17.6	-0.1	26	0.0
SR	Essar steel	288	0	5.2	5.4	-0.2	283	0.0
	Andhra Pradesh	7787	0	165.1	73.6	0.2	342	0.0
	Telangana	7235	0	155.8	41.8	0.0	329	0.0
	Karnataka	7699	0	155.8	31.7	0.4	633	0.0
	Kerala	3046	0	62.4	49.1	1.0	207	0.0
	Tamil Nadu	11720	0	262.4	133.1	-0.7	365	0.0
	Pondy	335	0	7.0	7.4	-0.4	44	0.0
	ER	Bihar	4282	0	75.8	75.1	-0.1	400
DVC		2856	0	62.7	-24.2	0.1	100	0.0
Jharkhand		1118	0	23.4	15.2	-0.8	50	0.0
Odisha		3794	0	72.0	7.4	-0.4	250	0.0
West Bengal		5616	0	91.1	26.6	0.2	250	0.0
NER	Sikkim	88	0	1.0	1.3	-0.3	20	0.0
	Arunachal Pradesh	106	6	2.0	1.7	0.1	36	0.0
	Assam	1283	57	22.5	17.1	0.0	99	1.1
	Manipur	172	2	2.3	2.4	-0.1	36	0.0
	Meghalaya	334	3	6.3	2.8	0.2	42	0.0
	Mizoram	76	4	1.6	0.8	0.6	8	0.0
	Nagaland	101	1	2.0	1.9	-0.1	10	0.0
	Tripura	228	13	2.8	2.1	-0.6	67	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.6	-0.4	-12.6
Day peak (MW)	650.6	-142.0	-546.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	181.8	-182.8	91.7	-88.0	-2.1	0.6
Actual(MU)	170.6	-185.6	99.0	-83.7	-1.6	-1.3
O/D/U/D(MU)	-11.2	-2.8	7.3	4.3	0.5	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3779	18141	9302	1775	563	33559
State Sector	14261	18865	9813	6080	47	49066
Total	18040	37006	19115	7855	610	82625

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	398	995	362	375	10	2141
Lignite	16	17	35	0	0	67
Hydro	127	34	131	58	12	362
Nuclear	28	24	55	0	0	107
Gas, Naptha & Diesel	28	35	16	0	22	101
RES (Wind, Solar, Biomass & Others)	49	79	116	2	0	246
Total	646	1184	714	435	45	3024

Share of RES in total generation (%)	7.62	6.63	16.30	0.38	0.02	8.13
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.61	11.56	42.27	13.63	27.01	23.62

H. Diversity Factor

All India Demand Diversity Factor	1.005
-----------------------------------	-------

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 : 11-Nov-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	539	0.0	7.7	-7.7
2		SASARAM-FATEHPUR	S/C	42	286	0.0	3.0	-3.0
3		GAYA-BALIA	S/C	0	309	0.0	6.0	-6.0
4	HVDC	ALIPURDUAR-AGRA	-	0	450	0.0	4.8	-4.8
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7
6	400 kV	PUSAULI-VARANASI	S/C	0	166	0.0	3.1	-3.1
7		PUSAULI -ALLAHABAD	S/C	0	113	0.0	1.5	-1.5
8		MUZAFFARPUR-GORAKHPUR	D/C	13	690	0.0	8.9	-8.9
9		PATNA-BALIA	Q/C	0	887	0.0	15.4	-15.4
10		BIHARSHARIFF-BALIA	D/C	0	220	0.0	3.4	-3.4
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	104	204	0.0	1.0	-1.0
13	220 kV	PUSAULI-SAHUPURI	S/C	8	63	0.0	0.6	-0.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
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						0.4	60.0	-59.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	831	0	17.5	0.0	17.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	576	159	5.8	0.0	5.8
20		JHARSUGUDA-DURG	D/C	84	133	0.0	0.2	-0.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	123	243	0.0	0.8	-0.8
22		RANCHI-SIPAT	D/C	131	2	2.4	0.0	2.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	95	0.0	1.2	-1.2
24		BUDHIPADAR-KORBA	D/C	119	0	1.7	0.0	1.7
ER-WR						27.4	2.2	25.2
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1963.0	0.0	32.7	-32.7
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	679.0	0.0	15.9	-15.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	40.3	-40.3
28	400 kV	TALCHER-I/C	D/C	284.0	996.0	0.0	10.8	-10.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	88.8	-88.8
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	285	262	0.0	0.4	0
31		ALIPURDUAR-BONGAIGAON	D/C	495	130	3.4	0.0	3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	60	53	0.0	0.0	0
ER-NER						3.4	0.4	3.0
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	366	303	0.6	0.0	0.6
NER-NR						0.6	0.0	0.6
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1005	0.0	19.0	-19.0
35		V'CHAL B/B	D/C	452	0	12.2	0.0	12.2
36		APL -MHG	D/C	0	1077	0.0	22.6	-22.6
37	765 kV	GWALIOR-AGRA	D/C	0	2083	0.0	36.1	-36.1
38		PHAGI-GWALIOR	D/C	0	1223	0.0	22.2	-22.2
39		JABALPUR-ORAI	D/C	0	734	0.0	27.6	-27.6
40		GWALIOR-ORAI	S/C	525	0	10.1	0.0	10.1
41		SATNA-ORAI	S/C	0	1298	0.0	27.0	-27.0
42		CHITTORGARH-BANASKANTHA	D/C	164	530	0.0	3.6	-3.6
43		ZERDA-KANKROLI	S/C	102	65	0.6	0.4	0.2
44	400 kV	ZERDA -BHINMAL	S/C	21	185	0.0	2.5	-2.5
45		V'CHAL -RIHAND	S/C	984	0	21.1	0.0	21.1
46		RAPP-SHUJALPUR	D/C	49	145	0	1	-1
47	220 kV	BHANPURA-RANPUR	S/C	22	28	0.1	0.2	-0.2
48		BHANPURA-MORAK	S/C	16	86	0.0	0.7	-0.7
49		MEHGAON-AURAIYA	S/C	93	0	1.4	0.0	1.4
50		MALANPUR-AURAIYA	S/C	43	10	0.4	0.0	0.4
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						45.9	162.8	-116.9
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	1016	0.0	15.0	-15.0
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	851	1264	3.9	12.5	-8.5
55		WARDHA-NIZAMABAD	D/C	0	1759	0.0	28.6	-28.6
56	400 kV	KOLHAPUR-KUDGI	D/C	785	0	9.1	0.0	9.1
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	54	0.0	1.1	-1.1
59		XELDEM-AMBEWADI	S/C	0	33	0.6	0.0	0.6
WR-SR						13.7	57.2	-43.5
TRANSNATIONAL EXCHANGE								
60		BHUTAN						13.6
61		NEPAL						-0.4
62		BANGLADESH						-12.6