



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: 9th Nov 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., 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 08.11.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-नवंबर-2020 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 8th November 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: 09-Nov-2020

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	44302	48844	35290	17364	2345	148145
Peak Shortage (MW)	5	0	0	0	74	79
Energy Met (MU)	917	1174	823	345	42	3300
Hydro Gen (MU)	110	21	88	60	17	296
Wind Gen (MU)	1	34	42	-	-	77
Solar Gen (MU)*	35.81	28.86	83.76	3.91	0.12	152
Energy Shortage (MU)	0.7	0.0	0.0	0.0	1.6	2.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	44586	52710	38959	17909	2494	151329
Time Of Maximum Demand Met (From NLDC SCADA)	10:26	15:24	09:57	18:03	17:24	10:44

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	0.022	0.00	0.00	2.57	2.57	84.19	13.24

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	5523	0	106.8	85.2	-1.6	113	0.0
	Haryana	5313	0	113.6	101.3	2.0	335	0.0
	Rajasthan	12609	0	247.8	89.8	1.0	360	0.0
	Delhi	3315	0	59.8	43.1	0.5	283	0.0
	UP	14988	0	277.1	99.1	-0.5	284	0.0
	Uttarakhand	1785	0	33.9	24.8	0.9	265	0.0
	HP	1393	0	26.7	19.6	-0.5	39	0.7
	J&K(UT) & Ladakh(UT)	2646	0	48.2	41.5	1.5	549	0.0
WR	Chandigarh	153	0	2.7	2.7	0.0	20	0.0
	Chhattisgarh	3339	0	71.2	21.8	-0.5	595	0.0
	Gujarat	16037	0	345.3	52.3	2.5	422	0.0
	MP	13968	0	277.4	179.1	-2.9	497	0.0
	Maharashtra	20184	0	428.9	137.6	-0.7	825	0.0
	Goa	437	0	9.5	8.9	0.0	35	0.0
	DD	311	0	6.8	6.5	0.3	35	0.0
	DNH	757	0	17.3	17.3	0.0	48	0.0
SR	AMNSIL	789	0	17.3	1.2	0.2	253	0.0
	Andhra Pradesh	7908	0	169.2	86.6	-0.4	235	0.0
	Telangana	6580	0	137.1	41.9	-1.7	362	0.0
	Karnataka	8707	0	172.9	54.2	-0.6	587	0.0
	Kerala	3178	0	66.7	48.6	-0.1	217	0.0
	Tamil Nadu	12288	0	269.7	158.3	-2.3	535	0.0
	Puducherry	329	0	7.0	7.4	-0.5	32	0.0
	ER	Bihar	4398	0	70.6	73.5	-2.9	210
DVC		3059	0	62.5	-44.5	-0.2	220	0.0
Jharkhand		1394	0	24.6	17.9	-1.7	100	0.0
Odisha		4148	0	80.4	13.3	-1.8	170	0.0
West Bengal		5827	0	105.2	19.6	0.0	255	0.0
Sikkim		96	0	1.3	1.3	0.0	30	0.0
NER	Arunachal Pradesh	140	2	2.0	2.1	-0.1	24	0.0
	Assam	1415	12	23.9	21.0	-0.2	90	1.5
	Manipur	202	2	2.6	2.7	-0.1	22	0.0
	Meghalaya	310	2	5.6	2.8	-0.3	36	0.0
	Mizoram	90	0	1.6	0.7	0.8	18	0.0
	Nagaland	134	1	2.2	2.0	0.0	11	0.0
	Tripura	243	2	3.7	3.3	-0.4	20	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	17.5	-2.0	-20.2
Day Peak (MW)	749.0	-253.0	-1023.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	290.1	-323.3	120.5	-84.5	-2.8	0.0
Actual(MU)	293.2	-315.6	119.9	-96.3	-4.5	-3.2
O/D/U/D(MU)	3.2	7.7	-0.6	-11.8	-1.7	-3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7000	13063	11162	3990	644	35858
State Sector	15441	12218	14126	6285	11	48080
Total	22441	25281	25288	10275	655	83939

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	413	1300	376	393	7	2489
Lignite	22	13	26	0	0	60
Hvdro	110	21	88	60	17	296
Nuclear	28	21	43	0	0	92
Gas, Naptha & Diesel	19	83	16	0	27	146
RES (Wind, Solar, Biomass & Others)	57	64	163	4	0	288
Total	648	1502	712	457	51	3370
Share of RES in total generation (%)	8.76	4.23	22.95	0.86	0.24	8.54
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.92	7.03	41.43	13.92	33.65	20.04

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.084

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 09-Nov-2020

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	500	0.0	10.5	-10.5
2	HVDC	PUSAULI B/B	-	0	296	0.0	7.2	-7.2
3	765 kV	GAYA-VARANASI	2	0	866	0.0	11.8	-11.8
4	765 kV	SASARAM-FATEHPUR	1	0	345	0.0	3.7	-3.7
5	765 kV	GAYA-BALIA	1	0	452	0.0	7.8	-7.8
6	400 kV	PUSAULI-VARANASI	1	0	226	0.0	4.4	-4.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	163	0.0	2.6	-2.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	697	0.0	8.4	-8.4
9	400 kV	PATNA-BALIA	4	0	870	0.0	12.6	-12.6
10	400 kV	BHARSHARIFE-BALIA	2	0	352	0.0	4.1	-4.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	285	0.0	4.7	-4.7
12	400 kV	BHARSHARIFE-VARANASI	2	115	255	0.0	0.7	-0.7
13	220 kV	PUSAULI-SAHUPURI	1	16	48	0.0	0.4	-0.4
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
						ER-NR	0.3	-78.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1864	0	27.5	0.0	27.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	928	0	12.5	0.0	12.5
3	765 kV	JHARSUGUDA-DURG	2	221	0	3.5	0.0	3.5
4	400 kV	JHARSUGUDA-RAIGARH	4	470	0	7.3	0.0	7.3
5	400 kV	RANCHI-SIPAT	2	390	0	6.1	0.0	6.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	105	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	192	0	3.4	0.0	3.4
						ER-WR	60.2	59.1
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	321	0.0	7.3	-7.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1993	0.0	48.1	-48.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2857	0.0	45.4	-45.4
4	400 kV	TALCHER-I/C	2	0	1209	0.0	23.3	-23.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	0.0	-100.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAOON	2	0	333	0.0	3.2	-3.2
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	78	153	0.0	2.8	-2.8
3	220 kV	ALIPURDUAR-SALAKATI	2	0	81	0.0	1.0	-1.0
						ER-NER	0.0	-7.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.1	-12.1
						NER-NR	0.0	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1702	0.0	38.6	-38.6
2	HVDC	VINDHYACHAL B/B	-	445	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1916	0.0	37.5	-37.5
4	765 kV	GWALIOR-AGRA	2	0	2673	0.0	51.3	-51.3
5	765 kV	PHAGL-GWALIOR	2	0	1594	0.0	25.8	-25.8
6	765 kV	JABALPUR-ORAI	2	0	1056	0.0	41.5	-41.5
7	765 kV	GWALIOR-ORAI	1	662	0	10.2	0.0	10.2
8	765 kV	SATNA-ORAI	1	0	1502	0.0	32.6	-32.6
9	765 kV	CHITORGARH-BANASKANTHA	2	0	977	0.0	13.6	-13.6
10	400 kV	ZERDA-KANKROLI	1	0	200	0.0	2.2	-2.2
11	400 kV	ZERDA-BHINMAL	1	0	487	0.0	6.2	-6.2
12	400 kV	VINDHYACHAL-RIHAND	2	974	0	22.7	0.0	22.7
13	400 kV	RAMP-SHUJAPUR	2	0	373	0.0	5.4	-5.4
14	220 kV	BHANPURA-RANPUR	1	0	168	0.0	2.2	-2.2
15	220 kV	BHANPURA-MORAK	1	11	0	0.0	0.5	-0.5
16	220 kV	MEHGAON-AURAIYA	1	109	0	0.3	0.0	0.3
17	220 kV	MALANPUR-AURAIYA	1	61	13	1.2	0.0	1.2
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-ALITPUR	2	0	0	0.0	0.0	0.0
						WR-NR	46.6	-210.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.2	-12.2
2	HVDC	RAIGARH-PUGAULI	2	0	297	0.0	7.2	-7.2
3	765 kV	SOLAPUR-RAICHUR	2	1006	2514	0.0	19.5	-19.5
4	765 kV	WARDHA-NIZAMABAD	2	478	2090	0.0	17.9	-17.9
5	400 kV	KOLHAPUR-KUDGI	2	754	0	10.0	0.0	10.0
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	1	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	44	0.8	0.0	0.8
						WR-SR	10.9	-45.9

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	224	0	211	5.1
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	441	360	390	9.4
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	128	0	95	2.3
	NER	132KV-GEYLEGPHU - SALAKATI	-15	-1	-10	-0.3
	NER	132kV Motanga-Rangis	-29	-19	-23	-0.6
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-53	0	-9	-0.2
	ER	132KV-BIHAR - NEPAL	-200	-30	-74	-1.8
	ER	220KV-MUZAFFARPUR - DHAIKEBAR DC	0	0	0	0.0
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-895	-462	-739	-17.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	64	0	-51	-1.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	64	0	-51	-1.2