



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: 14th 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 13.11.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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: 14-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)	44079	48194	35348	18199	2497	148317
Peak Shortage (MW)	0	0	0	0	43	43
Energy Met (MU)	935	1166	834	361	44	3339
Hydro Gen (MU)	108	30	88	60	17	303
Wind Gen (MU)	6	63	43	-	-	112
Solar Gen (MU)*	27.37	26.78	64.96	4.41	0.13	124
Energy Shortage (MU)	0.0	0.0	0.0	0.0	0.5	0.5
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46384	54242	41146	18391	2587	157201
Time Of Maximum Demand Met (From NLDC SCADA)	09:51	10:34	09:42	18:33	17:21	10:50

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	0.027	0.00	0.13	2.30	2.43	78.73	18.84

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	5520	0	110.1	92.8	-1.2	90	0.0
	Haryana	5447	0	113.0	103.3	0.6	172	0.0
	Rajasthan	12866	0	244.2	80.4	1.8	412	0.0
	Delhi	3513	0	61.6	46.0	-0.8	130	0.0
	UP	14769	0	296.8	114.6	-1.1	366	0.0
	Uttarakhand	1750	0	33.9	25.3	-0.5	100	0.0
	HP	1507	0	27.4	20.0	0.1	226	0.0
	J&K(UT) & Ladakh(UT)	2255	0	45.3	43.5	-3.4	91	0.0
WR	Chhattisgarh	3402	0	73.9	17.0	-1.0	302	0.0
	Gujarat	14926	0	317.4	56.2	5.2	833	0.0
	MP	14052	0	286.1	179.1	-4.1	564	0.0
	Maharashtra	21079	0	436.1	143.6	-1.9	671	0.0
	Goa	467	0	9.9	9.4	0.0	53	0.0
	DD	312	0	6.9	6.9	0.0	18	0.0
	DNH	756	0	17.7	17.8	-0.1	25	0.0
	AMNSIL	812	0	17.8	1.2	0.5	238	0.0
SR	Andhra Pradesh	7560	0	157.4	76.3	-0.1	536	0.0
	Telangana	7099	0	142.4	48.5	0.8	560	0.0
	Karnataka	10878	0	194.6	64.5	1.2	492	0.0
	Kerala	3251	0	72.3	54.6	0.7	224	0.0
	Tamil Nadu	12494	0	259.9	181.0	-1.5	587	0.0
	Puducherry	342	0	7.1	7.6	-0.5	16	0.0
ER	Bihar	4332	0	76.0	76.4	-0.9	341	0.0
	DVC	3088	0	65.4	-50.2	-0.4	420	0.0
	Jharkhand	1448	0	25.4	19.5	-2.2	155	0.0
	Odisha	3697	0	71.2	0.6	-1.3	271	0.0
	West Bengal	6715	0	121.8	26.6	1.1	468	0.0
	Sikkim	98	0	1.5	1.6	-0.2	23	0.0
NER	Arunachal Pradesh	115	3	2.2	2.1	0.1	35	0.0
	Assam	1511	35	25.6	22.2	0.3	91	0.5
	Manipur	215	2	2.5	2.6	-0.1	41	0.0
	Meghalaya	319	0	5.6	2.5	-0.1	45	0.0
	Mizoram	95	2	1.5	0.7	0.2	22	0.0
	Nagaland	119	3	2.1	1.8	0.0	28	0.0
	Tripura	246	2	4.1	3.3	-0.3	23	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	15.3	-1.5	-14.6
Day Peak (MW)	745.0	-299.9	-813.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	309.4	-329.2	124.4	-103.5	-1.1	0.0
Actual(MU)	301.2	-317.5	124.9	-113.6	-0.9	-5.9
O/D/U/D(MU)	-8.2	11.7	0.4	-10.0	0.2	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6800	12783	10442	3040	539	33603
State Sector	14906	16181	14956	5122	11	51175
Total	21706	28963	25398	8162	550	84779

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	423	1281	373	430	7	2514
Lignite	26	15	27	0	0	68
Hydro	108	30	88	60	17	303
Nuclear	28	27	66	0	0	120
Gas, Naptha & Diesel	20	67	18	0	26	131
RES (Wind, Solar, Biomass & Others)	52	90	142	4	0	288
Total	657	1509	714	494	50	3424

Share of RES in total generation (%)	7.97	5.95	19.83	0.90	0.26	8.42
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.60	9.69	41.34	13.07	34.35	20.77

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.064

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: 14-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	502	0.0	12.0	-12.0	
2	HVDC	PUSAULI B/B	-	0	299	0.0	7.1	-7.1	
3	765 kV	GAYA-VARANASI	2	0	983	0.0	12.8	-12.8	
4	765 kV	SASARAM-FATEHPUR	1	45	343	0.0	3.2	-3.2	
5	765 kV	GAYA-BALIA	1	0	522	0.0	9.2	-9.2	
6	400 kV	PUSAULI-VARANASI	1	0	229	0.0	4.5	-4.5	
7	400 kV	PUSAULI-ALLAHABAD	1	0	166	0.0	2.6	-2.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	678	0.0	6.9	-6.9	
9	400 kV	PATNA-BALIA	4	0	1041	0.0	12.6	-12.6	
10	400 kV	BIHARSHARIF-BALIA	2	0	386	0.0	4.7	-4.7	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	315	0.0	5.2	-5.2	
12	400 kV	BIHARSHARIF-VARANASI	2	122	282	0.0	0.9	-0.9	
13	220 kV	PUSAULI-SAHUPURI	1	11	56	0.0	0.6	-0.6	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.6	0.0	0.6	
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	0.6	82.2	-81.6
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	991	0	13.3	0.0	13.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	995	0	13.7	0.0	13.7	
3	765 kV	JHARSUGUDA-DURG	2	163	100	0.8	0.0	0.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	415	0	5.5	0.0	5.5	
5	400 kV	RANCHI-SIPAT	2	354	0	5.9	0.0	5.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	27	93	0.0	0.9	-0.9	
7	220 kV	BUDHIPADAR-KORBA	2	203	0	2.8	0.0	2.8	
						ER-WR	42.1	0.9	41.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	530	0.0	10.0	-10.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1642	0.0	39.7	-39.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2533	0.0	46.0	-46.0	
4	400 kV	TALCHER-I/C	2	0	524	0.0	6.1	-6.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	95.7	-95.7
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	538	0.0	8.7	-8.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	654	0.0	7.1	-7.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	124	0.0	1.6	-1.6	
						ER-NER	0.0	17.3	-17.3
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	703	0.0	16.9	-16.9	
						NER-NR	0.0	16.9	-16.9
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1098	0.0	25.6	-25.6	
2	HVDC	VINDHYACHAL B/B	-	449	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1920	0.0	35.5	-35.5	
4	765 kV	GWALIOR-AGRA	2	0	2679	0.0	54.1	-54.1	
5	765 kV	PHAGI-GWALIOR	2	0	1649	0.0	28.5	-28.5	
6	765 kV	JABALPUR-ORAI	2	0	1156	0.0	46.1	-46.1	
7	765 kV	GWALIOR-ORAI	1	591	0	10.2	0.0	10.2	
8	765 kV	SATNA-ORAI	1	0	1544	0.0	33.7	-33.7	
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1193	0.0	17.8	-17.8	
10	400 kV	ZERDA-KANKROLI	1	0	228	0.0	2.6	-2.6	
11	400 kV	ZERDA-BHINMAL	1	0	479	0.0	6.1	-6.1	
12	400 kV	VINDHYACHAL -RIHAND	1	970	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHUJALPUR	2	0	404	0.0	5.6	-5.6	
14	220 kV	BHANPURA-RANPUR	1	0	152	0.0	2.1	-2.1	
15	220 kV	BHANPURA-MORAK	1	11	0	0.0	0.6	-0.6	
16	220 kV	MEHGAON-AURAIYA	1	93	0	0.3	0.0	0.3	
17	220 kV	MALANPUR-AURAIYA	1	43	18	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-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	46.4	258.5	-212.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	518	0.0	12.1	-12.1	
2	HVDC	RAIGARH-PUGALUR	2	0	598	0.0	13.9	-13.9	
3	765 kV	SOLAPUR-RAICHUR	2	422	2032	0.0	23.8	-23.8	
4	765 kV	WARDHA-NIZAMABAD	2	0	1813	0.0	24.2	-24.2	
5	400 kV	KOLHAPUR-KUDGI	2	679	0	7.6	0.0	7.6	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	1	0	1.7	0.0	1.7	
8	220 kV	XELDEM-AMBEWADI	1	0	44	0.8	0.0	0.8	
						WR-SR	10.2	74.0	-63.8
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)	204	201	204	5.0			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	396	311	351	8.4			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	103	0	43	1.0			
	NER	132KV-GEYLEGPHU - SALAKATI	16	1	-10	-0.2			
	NER	132kV Motanga-Rangia	26	20	-21	-0.5			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-49	0	-9	-0.2			
	ER	132KV-BIHAR - NEPAL	-132	-1	-44	-1.1			
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-119	30	-8	-0.2			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-698	-410	-517	-12.4			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	58	0	-47	-1.1			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	57	0	-47	-1.1			