



**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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 07<sup>th</sup> Dec 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 06.12.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 06-दिसम्बर -2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 6<sup>th</sup> December 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: 07-Dec-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)	44373	48577	33403	15920	2365	144638
Peak Shortage (MW)	500	0	0	169	58	727
Energy Met (MU)	921	1194	772	333	41	3260
Hydro Gen (MU)	110	39	58	41	13	260
Wind Gen (MU)	14	28	54	-	-	96
Solar Gen (MU)*	30.27	30.65	77.40	4.51	0.09	143
Energy Shortage (MU)	10.07	0.00	0.00	0.51	1.07	11.65
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47943	57001	38074	16764	2437	156922
Time Of Maximum Demand Met (From NLDC SCADA)	10:39	10:50	09:32	18:30	17:29	10:28

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	0.031	0.00	0.01	3.30	3.31	77.58	19.11

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	6528	0	126.2	73.0	-0.9	54	0.00	
	Haryana	6549	0	119.5	97.8	0.6	279	0.00	
	Rajasthan	12895	0	245.3	67.9	-0.8	357	0.00	
	Delhi	3445	0	58.6	40.9	0.9	203	0.00	
	UP	14515	270	255.6	86.7	-0.7	382	0.00	
	Uttarakhand	1834	0	33.9	24.9	-0.1	149	0.07	
	HP	1551	0	27.5	21.9	-0.3	170	0.00	
	J&K(UT) & Ladakh(UT)	2625	500	51.7	45.3	0.5	377	10.00	
	Chandigarh	173	0	3.0	3.1	-0.1	12	0.00	
	WR	Chhattisgarh	3561	0	78.4	25.5	0.7	195	0.00
Gujarat		15798	0	340.3	69.9	2.9	373	0.00	
MP		14312	0	284.0	182.4	0.9	620	0.00	
Maharashtra		21675	0	439.1	142.2	-3.3	752	0.00	
Goa		436	0	8.9	8.8	0.0	29	0.00	
DD		302	0	7.0	6.6	0.4	31	0.00	
DNH		770	0	18.0	17.9	0.1	41	0.00	
AMNSIL		800	0	17.9	2.9	0.1	278	0.00	
SR		Andhra Pradesh	6819	0	145.9	76.1	0.1	525	0.00
		Telangana	7930	0	157.3	47.8	-0.7	481	0.00
	Karnataka	9616	0	176.8	49.4	0.0	557	0.00	
	Kerala	3141	0	64.3	50.2	0.7	194	0.00	
	Tamil Nadu	10540	0	221.1	152.1	-3.9	360	0.00	
	Puducherry	302	0	6.2	6.4	-0.2	36	0.00	
ER	Bihar	4195	0	73.1	72.5	-0.6	302	0.00	
	DVC	2979	0	65.1	-39.6	2.1	330	0.00	
	Jharkhand	1353	0	23.7	20.6	-1.6	205	0.51	
	Odisha	3667	0	66.7	1.3	-0.7	341	0.00	
	West Bengal	5444	0	102.7	5.4	-0.1	425	0.00	
	Sikkim	93	0	1.5	1.7	-0.2	22	0.00	
NER	Arunachal Pradesh	109	1	2.1	2.3	-0.2	14	0.01	
	Assam	1346	4	22.5	18.2	0.4	132	1.02	
	Manipur	233	2	3.0	3.2	-0.3	28	0.02	
	Meghalaya	333	2	6.3	3.7	0.0	31	0.00	
	Mizoram	105	2	1.7	1.3	-0.1	30	0.01	
	Nagaland	123	1	2.2	1.8	0.2	22	0.01	
	Tripura	215	3	3.4	2.1	-0.3	23	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	10.1	-5.1	-13.3
Day Peak (MW)	480.0	-226.9	-778.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	239.2	-246.2	131.5	-125.9	1.4	0.0
Actual(MU)	236.1	-228.8	118.7	-130.9	2.1	-2.8
O/D/U/D(MU)	-3.1	17.4	-12.8	-5.0	0.7	-2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7466	16195	11682	2940	689	38971
State Sector	12936	13685	13687	4522	11	44840
Total	20402	29879	25369	7462	700	83812

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	447	1241	355	439	7	2489
Lignite	24	15	15	0	0	54
Hydro	110	39	58	41	13	260
Nuclear	28	33	60	0	0	120
Gas, Naptha & Diesel	22	53	13	0	24	112
RES (Wind, Solar, Biomass & Others)	71	60	167	5	0	303
Total	701	1441	668	484	44	3338

Share of RES in total generation (%)	10.15	4.14	25.03	0.94	0.21	9.07
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.70	9.14	42.67	9.32	30.22	20.47

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.060

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:

07-Dec-2020

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
<b>Import/Export of ER (With NR)</b>								
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI-B/B	-	0	301	0.0	7.4	-7.4
3	765 kV	GAYAVARANASI	2	0	1114	0.0	13.4	-13.4
4	765 kV	SASARAM-FATEHPUR	1	0	385	0.0	3.8	-3.8
5	765 kV	GAYA-BALIA	1	0	536	0.0	7.8	-7.8
6	400 kV	PUSAULI-VARANASI	1	0	221	0.0	4.7	-4.7
7	400 kV	PUSAULI-ALLAHABAD	1	0	150	0.0	2.6	-2.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	930	0.0	10.1	-10.1
9	400 kV	PATNA-BALIA	4	0	1279	0.0	17.9	-17.9
10	400 kV	BIHARSHARIFF-BALIA	2	0	471	0.0	5.0	-5.0
11	400 kV	MOTHARI-GORAKHPUR	2	0	396	0.0	5.6	-5.6
12	400 kV	BIHARSHARIFF-VARANASI	2	7	201	0.0	1.4	-1.4
13	220 kV	PUSAULI-SAHUPURI	1	57	30	0.5	0.0	0.5
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.0	0.0	0.0
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	0.8	-78.8
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	697	601	0.6	0.0	0.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	597	377	4.2	0.0	4.2
3	765 kV	JHARSUGUDA-DURG	2	30	230	0.0	2.9	-2.9
4	400 kV	JHARSUGUDA-RAIGARH	4	65	398	0.0	3.6	-3.6
5	400 kV	RANCHI-SIPAT	2	177	153	0.8	0.0	0.8
6	220 kV	BUDHIPADAR-RAIGARH	1	15	71	0.0	0.4	-0.4
7	220 kV	BUDHIPADAR-KORBA	2	82	46	0.3	0.0	0.3
						ER-WR	5.8	-1.1
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	488	0.0	11.5	-11.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1989	0.0	42.5	-42.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2706	0.0	46.2	-46.2
4	400 kV	TALCHER-I/C	2	96	748	0.0	10.0	-10.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	100.2	-100.2
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	269	89	3.7	0.0	3.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	411	117	5.0	0.0	5.0
3	220 kV	ALIPURDUAR-SALAKATI	2	64	34	0.6	0.0	0.6
						ER-NER	9.3	0.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIAL-AGRA	2	472	0	11.5	0.0	11.5
						NER-NR	11.5	0.0
<b>Import/Export of WR (With SR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2001	0.0	35.6	-35.6
2	HVDC	VINDHYACHAL B/B	-	193	0	3.3	0.0	3.3
3	HVDC	MUNDRAMOHINDERGARH	2	0	1918	0.0	36.7	-36.7
4	765 kV	GWALIOR-AGRA	2	0	2556	0.0	47.0	-47.0
5	765 kV	PHAGI-GWALIOR	2	0	1658	0.0	20.7	-20.7
6	765 kV	JABALPUR-ORAI	2	0	974	0.0	33.2	-33.2
7	765 kV	GWALIOR-ORAI	1	709	0	11.1	0.0	11.1
8	765 kV	SATNA-ORAI	1	0	1309	0.0	27.5	-27.5
9	765 kV	CHITORGARH-BANASKANTHA	2	0	742	0.0	7.4	-7.4
10	400 kV	ZERDA-KANKROLI	1	92	143	0.0	0.4	-0.4
11	400 kV	ZERDA-BHINMAL	1	143	320	0.0	3.0	-3.0
12	400 kV	VINDHYACHAL-RIHAND	1	969	0	22.3	0.0	22.3
13	400 kV	RAPP-SHULJALPUR	2	60	362	0.0	2.9	-2.9
14	220 kV	BHANPURA-RANPUR	1	13	151	0.0	1.5	-1.5
15	220 kV	BHANPURA-MORAK	1	11	0	0.4	0.0	0.4
16	220 kV	MEHGAON-AURAIYA	1	112	0	0.4	0.0	0.4
17	220 kV	MALANPUR-AURAIYA	1	73	15	1.0	0.0	1.0
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	38.5	-177.7
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1002	0.0	10.7	-10.7
2	HVDC	RAIGARH-PUGALUR	2	0	997	0.0	13.1	-13.1
3	765 kV	SOLAPUR-RAICHUR	2	1324	2372	0.0	16.8	-16.8
4	765 kV	WARDHA-NIZAMABAD	2	606	1919	0.0	18.5	-18.5
5	400 kV	KOLHAPUR-KUDGI	2	882	71	6.4	0.0	6.4
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	42	0.8	0.0	0.8
						WR-SR	7.2	-51.8

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)	165	0	153	3.7
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	225	202	212	5.1
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	84	0	55	1.3
	NER	132KV-GEYLEGPHU - SALAKATI	16	-4	5	0.1
	NER	132KV Motanga-Rangia	-9	5	-3	-0.1
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-54	0	-41	-1.0
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-245	-82	-180	-4.3
	ER	132KV-BIHAR - NEPAL	72	1	7	0.2
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-674	-308	-469	-11.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	52	0	-42	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	52	0	-42	-1.0