



**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: 30<sup>th</sup> 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., 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 29.10.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-अक्टूबर-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 29th October 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: 30-Oct-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)	45662	50561	39322	19810	2787	158142
Peak Shortage (MW)	250	0	0	0	9	259
Energy Met (MU)	951	1174	885	383	50	3442
Hydro Gen (MU)	125	29	140	79	20	393
Wind Gen (MU)	3	15	14	-	-	31
Solar Gen (MU)*	32.47	29.27	86.58	4.60	0.13	153
Energy Shortage (MU)	0.5	0.0	0.0	0.0	0.1	0.6
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46445	52083	40238	20079	2891	159200
Time Of Maximum Demand Met (From NLDC SCADA)	09:48	11:19	09:44	18:30	17:33	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	0.034	0.00	0.24	8.05	8.30	82.39	9.32

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	5642	0	114.3	91.8	-0.9	143	0.0
	Haryana	6116	0	131.3	120.5	-0.2	133	0.0
	Rajasthan	12465	0	242.3	90.8	-0.3	364	0.0
	Delhi	3474	0	66.7	49.8	-0.5	193	0.0
	UP	14820	250	282.9	122.7	-1.3	498	0.5
	Uttarakhand	1801	0	35.8	25.8	0.6	133	0.0
	HP	1510	0	29.5	19.6	-0.4	59	0.0
	J&K(UT) & Ladakh(UT)	2215	0	45.6	40.8	-0.2	295	0.0
	Chandigarh	176	0	3.1	3.0	0.1	26	0.0
	Chhattisgarh	3610	0	77.0	35.4	1.1	551	0.0
WR	Gujarat	16369	0	357.4	77.1	3.5	563	0.0
	MP	12429	0	259.5	156.3	-2.5	593	0.0
	Maharashtra	19407	0	427.6	130.2	-3.2	545	0.0
	Goa	418	0	9.4	9.2	-0.3	45	0.0
	DD	345	0	7.7	7.5	0.2	31	0.0
	DNH	789	0	18.1	18.1	0.0	38	0.0
	AMNSIL	749	0	17.0	1.7	0.4	255	0.0
SR	Andhra Pradesh	8128	0	170.9	77.2	-0.3	566	0.0
	Telangana	7382	0	156.3	43.2	-1.2	423	0.0
	Karnataka	8697	0	166.9	58.5	-1.4	722	0.0
	Kerala	3541	0	71.6	47.7	-0.4	269	0.0
	Tamil Nadu	14463	0	311.5	189.4	0.7	657	0.0
	Puducherry	371	0	7.6	7.9	-0.4	13	0.0
ER	Bihar	4775	0	79.2	79.2	-1.0	481	0.0
	DVC	3694	0	64.0	-41.6	0.3	227	0.0
	Jharkhand	1372	0	25.0	21.0	-0.9	104	0.0
	Odisha	4199	0	76.1	1.8	-0.7	393	0.0
	West Bengal	7598	0	137.1	37.0	0.5	314	0.0
NER	Sikkim	93	0	1.2	1.2	0.0	48	0.0
	Arunachal Pradesh	113	1	2.1	2.1	0.0	38	0.0
	Assam	1759	6	30.9	27.2	0.7	149	0.0
	Manipur	209	0	2.6	2.7	0.0	21	0.0
	Meghalaya	338	0	5.7	1.1	-0.1	42	0.0
	Mizoram	98	1	1.6	0.7	0.6	13	0.0
	Nagaland	132	2	2.3	2.3	-0.2	10	0.0
	Tripura	288	3	5.1	5.0	-0.2	26	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	23.0	-0.7	-25.8
Day Peak (MW)	1329.0	-232.3	-1116.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	318.4	-301.4	104.4	-120.8	-0.6	0.0
Actual(MU)	313.8	-294.4	113.6	-139.9	-0.2	-7.1
O/D/U/D(MU)	-4.6	7.0	9.2	-19.1	0.5	-7.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6800	14505	10162	1770	660	33897
State Sector	16137	13922	13276	6715	11	50060
Total	22937	28427	23438	8485	671	83957

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	411	1282	403	473	7	2576
Lignite	25	13	25	0	0	63
Hvdro	125	29	140	79	20	393
Nuclear	28	21	69	0	0	117
Gas, Naptha & Diesel	22	93	16	0	28	159
RES (Wind, Solar, Biomass & Others)	46	45	133	5	0	229
Total	657	1481	786	557	56	3537
Share of RES in total generation (%)	7.06	3.00	16.97	0.84	0.23	6.48
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.21	6.37	43.54	15.08	36.44	20.90

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.016
Based on State Max Demands	1.065

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: 30-Oct-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	701	0.0	17.0	-17.0	
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.2	-7.2	
3	765 kV	GAYA-VARANASI	2	0	936	0.0	14.0	-14.0	
4	765 kV	SASARAM-FATEHPUR	1	0	376	0.0	4.4	-4.4	
5	765 kV	GAYABALLA	1	0	539	0.0	9.5	-9.5	
6	400 kV	PUSAULI-VARANASI	1	0	238	0.0	4.8	-4.8	
7	400 kV	PUSAULI-ALLAHABAD	1	0	142	0.0	2.2	-2.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	814	0.0	8.4	-8.4	
9	400 kV	PATNA-BALLA	4	0	1145	0.0	15.8	-15.8	
10	400 kV	BIHARSHARIF-BALLA	2	0	446	0.0	4.8	-4.8	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	234	0.0	5.6	-5.6	
12	400 kV	BIHARSHARIF-VARANASI	2	136	275	0.0	0.9	-0.9	
13	220 kV	PUSAULI-SAHUPURI	1	0	107	0.0	1.5	-1.5	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4	
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	0.4	96.3	-95.9
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	803	813	0.0	1.6	-1.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	717	193	7.7	0.0	7.7	
3	765 kV	JHARSUGUDA-DURG	2	54	285	0.0	2.7	-2.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	87	322	0.0	2.6	-2.6	
5	400 kV	RANCHI-SIPAT	2	250	81	2.4	0.0	2.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	153	0.0	2.3	-2.3	
7	220 kV	BUDHIPADAR-KORBA	2	78	63	0.2	0.0	0.2	
						ER-WR	10.3	9.2	1.1
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	377	0.0	8.7	-8.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1046	0.0	24.7	-24.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3090	0.0	51.7	-51.7	
4	400 kV	TALCHER-I/C	2	933	0	20.4	0.0	20.4	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	85.0	-85.0
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	2	0	450	0.0	5.1	-5.1	
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	16	514	0.0	4.4	-4.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	122	0.0	1.4	-1.4	
						ER-NER	0.0	10.9	-10.9
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1759	0.0	40.6	-40.6	
2	HVDC	VINDHYACHAL B/B	-	267	354	2.7	3.2	-0.6	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1458	0.0	36.1	-36.1	
4	765 kV	GWALIOR-AGRA	2	0	2753	0.0	45.5	-45.5	
5	765 kV	PHAGI-GWALIOR	2	0	2203	0.0	32.0	-32.0	
6	765 kV	JABALPUR-ORAI	2	0	1145	0.0	42.1	-42.1	
7	765 kV	GWALIOR-ORAI	1	828	0	14.4	0.0	14.4	
8	765 kV	SAINA-ORAI	1	0	1820	0.0	35.9	-35.9	
9	765 kV	CHITORGARH-BANASKANTHA	2	27	906	0.0	10.9	-10.9	
10	400 kV	ZERDA-KANKROLI	1	61	187	0.0	1.2	-1.2	
11	400 kV	ZERDA-BHINMAL	1	2	32	0.0	3.2	-3.2	
12	400 kV	VINDHYACHAL -RIHAND	1	981	0	22.3	0.0	22.3	
13	400 kV	RAPP-SHUJALPUR	2	0	580	0.0	7.4	-7.4	
14	220 kV	BHANPURA-RANPUR	1	0	107	0.0	1.2	-1.2	
15	220 kV	BHANPURA-MORAK	1	11	0	0.2	0.4	-0.3	
16	220 kV	MEHGAON-AURAIYA	1	94	0	0.5	0.0	0.4	
17	220 kV	MALANPUR-AURAIYA	1	54	9	1.2	0.0	1.2	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	41.2	259.6	-218.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	518	0.0	12.1	-12.1	
2	HVDC	RAIGARH-PUGALUR	2	0	749	0.0	29.8	-29.8	
3	765 kV	SOLAPUR-RAICHUR	2	707	2569	0.0	22.3	-22.3	
4	765 kV	WARDHA-NIZAMABAD	2	384	1926	0.0	19.4	-19.4	
5	400 kV	KOLHAPUR-KUDGI	2	771	174	8.2	0.0	8.2	
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	1	44	0.7	0.0	0.7	
						WR-SR	9.0	83.5	-74.6
<b>INTERNATIONAL EXCHANGES</b>									
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)	335	282	293	7.0			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	751	0	461	11.1			
	ER	230KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	173	144	147	3.5			
	NER	132KV-GEYLEGPHU - SALAKATI	27	12	-19	-0.5			
	NER	132KV Motanga-Rangia	44	27	-37	-0.9			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	0.0			
	ER	132KV-BIHAR - NEPAL	-156	0	-26	-0.6			
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-76	38	-3	-0.1			
	ER	BHERAMARA HVDC(BANGLADESH)	-948	-937	-946	-22.7			

BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	85	0	-64	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	83	0	-64	-1.5