



**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: 05<sup>th</sup> November 2022

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 04.11.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-नवंबर-2022 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 04<sup>th</sup> November 2022, 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: 05-Nov-2022

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)	47983	53545	41131	20788	2709	166156
Peak Shortage (MW)	63	0	0	582	0	645
Energy Met (MU)	1053	1285	917	438	50	3743
Hydro Gen (MU)	143	46	146	71	22	427
Wind Gen (MU)	27	31	37	-	-	94
Solar Gen (MU)*	106.18	52.13	93.87	5.13	0.79	258
Energy Shortage (MU)	3.38	0.00	0.00	2.98	0.00	6.36
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50314	60140	44496	21523	2834	173894
Time Of Maximum Demand Met (From NLDC SCADA)	11:29	10:55	10:00	17:44	17:29	11:29

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	0.038	0.00	0.88	5.65	6.53	77.20	16.27

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	6319	0	130.3	40.4	-0.2	163	0.00
	Haryana	6345	63	130.7	67.0	1.9	255	1.28
	Rajasthan	14571	0	285.9	100.8	1.0	358	0.00
	Delhi	3847	0	73.5	66.7	-0.9	124	0.00
	UP	15770	0	306.9	91.1	2.4	436	0.49
	Uttarakhand	1815	70	36.0	23.7	-0.1	241	1.00
	HP	1843	0	32.5	17.9	0.2	141	0.00
	J&K(UT) & Ladakh(UT)	2634	0	53.4	47.2	1.0	210	0.61
	Chandigarh	191	0	3.5	3.9	-0.4	6	0.00
	Chhattisgarh	4034	0	90.1	43.8	0.1	199	0.00
WR	Gujarat	18496	0	382.5	242.4	-0.4	666	0.00
	MP	13030	0	271.1	169.5	-2.7	591	0.00
	Maharashtra	23002	0	487.9	157.8	-0.2	771	0.00
	Goa	654	0	12.4	12.9	-1.1	46	0.00
	DNHDDPDCL	1170	0	26.7	26.6	0.1	181	0.00
	AMNSIL	721	0	14.5	9.4	-0.3	282	0.00
SR	Andhra Pradesh	8593	0	183.7	73.2	0.0	510	0.00
	Telangana	9386	0	177.0	18.9	0.6	477	0.00
	Karnataka	9895	0	188.4	64.1	-1.3	733	0.00
	Kerala	3625	0	75.8	49.6	0.1	272	0.00
	Tamil Nadu	13754	0	284.3	167.7	-0.1	696	0.00
	Puducherry	375	0	8.3	7.7	-0.2	91	0.00
ER	Bihar	4617	170	88.2	78.0	-0.6	119	0.45
	DVC	3214	0	69.0	-40.9	-0.7	225	0.00
	Jharkhand	1728	520	30.9	19.8	0.4	408	2.53
	Odisha	5185	0	106.2	31.2	-1.0	436	0.00
	West Bengal	7444	0	141.6	9.3	-0.1	479	0.00
	Sikkim	108	0	1.6	1.6	0.0	21	0.00
NER	Arunachal Pradesh	124	0	2.3	2.4	-0.5	25	0.00
	Assam	1671	0	30.1	22.2	0.4	108	0.00
	Manipur	203	0	2.7	2.6	0.0	28	0.00
	Meghalaya	350	0	6.5	5.1	-0.3	24	0.00
	Mizoram	124	0	1.8	1.4	-0.1	25	0.00
	Nagaland	134	0	2.0	1.6	0.1	18	0.00
	Tripura	262	0	4.5	2.8	0.1	35	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	12.1	3.8	-23.9
Day Peak (MW)	620.0	392.0	-1056.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	157.1	-14.5	40.3	-177.1	-5.9	0.0
Actual(MU)	161.9	-13.7	36.7	-179.5	-6.5	-1.0
O/D/U/D(MU)	4.8	0.9	-3.6	-2.4	-0.6	-1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7752	16671	7378	3190	672	35662	48
State Sector	11295	15439	10105	1700	99	38637	52
Total	19047	32109	17483	4890	771	74299	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	619	1146	481	560	15	2822	72
Lignite	28	10	48	0	0	85	2
Hydro	143	46	146	71	22	428	11
Nuclear	26	40	62	0	0	128	3
Gas, Naptha & Diesel	15	5	4	0	24	48	1
RES (Wind, Solar, Biomass & Others)	139	83	177	5	1	405	10
Total	971	1329	918	636	62	3916	100

Share of RES in total generation (%)	14.32	6.24	19.26	0.81	1.27	10.33
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.74	12.70	41.97	11.93	36.64	24.54

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
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: 05-Nov-2022

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	651	0.0	12.8	-12.8	
2	HVDC	PUSAULI B/B	2	0	345	0.0	8.4	-8.4	
3	765 kV	GAYALYARANASI	2	0	883	0.0	11.2	-11.2	
4	765 kV	SASARAM-FATEHPUR	1	0	532	0.0	8.0	-8.0	
5	765 kV	GAYA-BALIA	1	0	605	0.0	11.5	-11.5	
6	400 kV	PUSAULI-VARANASI	1	0	233	0.0	5.0	-5.0	
7	400 kV	PUSAULI-ALLAHABAD	1	0	178	0.0	3.2	-3.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	831	0.0	14.2	-14.2	
9	400 kV	PATNA-BALIA	2	0	489	0.0	9.3	-9.3	
10	400 kV	NAUBATPUR-BALIA	2	0	529	0.0	10.3	-10.3	
11	400 kV	BIHARSHARIFF-BALIA	2	0	410	0.0	6.3	-6.3	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	442	0.0	8.2	-8.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	323	0.0	4.2	-4.2	
14	220 kV	SINUPUR-KARAMNUSA	1	0	89	0.0	1.1	-1.1	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	30	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.1	-0.1	
						ER-NR	0.4	113.7	-113.2
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	709	103	5.8	0.0	5.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	444	579	2.7	0.0	2.7	
3	765 kV	JHARSUGUDA-DURG	2	0	534	0.0	9.3	-9.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	560	0.0	7.5	-7.5	
5	400 kV	RANCHI-SIPAT	2	124	230	0.0	0.6	-0.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	122	0.0	1.7	-1.7	
7	220 kV	BUDHIPADAR-KORBA	2	83	55	0.6	0.0	0.6	
						ER-WR	9.1	19.0	-9.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	330	0.0	7.4	-7.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1639	0.0	39.5	-39.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2503	0.0	39.4	-39.4	
4	400 kV	TALCHER-I/C	2	0	524	0.0	7.5	-7.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	86.3	-86.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	425	0.0	5.8	-5.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	96	369	0.0	4.0	-4.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	34	0.0	0.1	-0.1	
						ER-NER	0.0	9.9	-9.9
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	16.8	-16.8	
						NER-NR	0.0	16.8	-16.8
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	4	326	0.0	7.3	-7.3	
2	HVDC	VINDHYACHAL B/B	2	226	0	6.1	0.0	6.1	
3	HVDC	MUNDRA-MOHENDERGARH	2	495	0	7.4	0.0	7.4	
4	765 kV	GWALIOR-AGRA	2	113	1415	0.0	19.4	-19.4	
5	765 kV	GWALIOR-PHAGI	2	0	2170	0.0	37.5	-37.5	
6	765 kV	JABALPUR-ORAI	2	0	640	0.0	25.2	-25.2	
7	765 kV	GWALIOR-ORAI	1	994	0	18.3	0.0	18.3	
8	765 kV	SATNA-ORAI	1	0	849	0.0	18.1	-18.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	2325	0	37.9	0.0	37.9	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1915	0.0	31.6	-31.6	
11	400 kV	ZERDA-KANKROLI	1	377	0	6.3	0.0	6.3	
12	400 kV	ZERDA-BHINMAL	1	636	0	9.3	0.0	9.3	
13	400 kV	VINDHYACHAL-RIHAND	1	961	0	14.1	0.0	14.1	
14	400 kV	RAPP-SHILAI PUR	2	326	276	0.0	1.0	-1.0	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.8	-1.8	
17	220 kV	MEHGAON-AURAIYA	1	123	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	95	0	1.6	0.0	1.6	
19	132 kV	GWALIOR-SAWALMADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	102.0	142.0	-40.0
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	693	0	16.8	0.0	16.8	
2	HVDC	RAIGARH-PUGALUR	2	0	604	0.0	14.5	-14.5	
3	765 kV	SOLAPUR-RAICHUR	2	1497	1218	8.9	0.0	8.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	2158	0.0	19.1	-19.1	
5	400 kV	KOLHAPUR-KUDCI	2	1249	0	21.8	0.0	21.8	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	1	0	115	2.2	0.0	2.2	
						WR-SR	49.7	33.6	16.1
<b>INTERNATIONAL EXCHANGES</b>									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	179	0	125	3.0			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP (6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	411	372	375	9.0			
	ER	132kV GELEPHU-SALAKATI	-12	0	-4	-0.1			
	NER	132kV MOTANGA-RANGIA	-25	-11	-19	-0.5			
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0			
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	392	65	157	3.8			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-942	-744	-890	-21.4			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-114	0	-104	-2.5			