



**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> October 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 29.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-अक्टूबर-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 29<sup>th</sup> Oct 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: 30-Oct-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)	46199	50115	40461	20946	2680	160401
Peak Shortage (MW)	769	0	0	437	0	1206
Energy Met (MU)	1020	1152	935	441	49	3597
Hydro Gen (MU)	159	36	154	78	33	460
Wind Gen (MU)	4	50	41	-	-	95
Solar Gen (MU)*	104.55	49.44	100.48	5.38	0.95	261
Energy Shortage (MU)	5.46	0.00	0.00	2.09	0.00	7.55
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48131	53326	44801	21953	2822	165588
Time Of Maximum Demand Met (From NLDC SCADA)	19:13	18:43	10:06	17:49	17:51	11:45

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	0.035	0.00	0.60	8.00	8.60	82.15	9.25

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	6159	0	129.0	57.5	-1.5	120	0.00
	Haryana	6361	0	132.2	74.0	-1.1	116	0.00
	Rajasthan	13918	0	264.6	96.9	3.2	324	3.52
	Delhi	3466	0	68.8	62.1	-1.5	116	0.00
	UP	16251	0	303.2	84.3	0.3	566	0.00
	Uttarakhand	1767	75	35.4	20.2	1.2	176	0.59
	HP	1746	0	31.8	16.1	-0.4	104	0.00
	J&K(UT) & Ladakh(UT)	2535	0	51.8	42.7	1.8	405	1.35
	Chandigarh	183	0	3.5	3.3	0.2	50	0.00
	Chhattisgarh	4023	0	89.5	31.3	-0.1	265	0.00
WR	Gujarat	16146	0	336.6	214.0	-0.8	517	0.00
	MP	11041	0	229.1	121.0	0.0	471	0.00
	Maharashtra	20694	0	444.5	146.1	-0.5	513	0.00
	Goa	640	0	11.3	12.6	-1.8	71	0.00
	DNHDDPDCL	1149	0	26.3	26.4	-0.1	73	0.00
	AMNSIL	715	0	14.9	8.9	-0.1	253	0.00
SR	Andhra Pradesh	9257	0	191.9	71.6	-0.2	442	0.00
	Telangana	9727	0	178.4	30.2	1.5	810	0.00
	Karnataka	9838	0	183.9	56.6	-1.2	768	0.00
	Kerala	3826	0	78.5	51.0	0.3	181	0.00
	Tamil Nadu	13647	0	292.8	167.5	0.3	619	0.00
	Puducherry	390	0	9.2	8.4	0.1	55	0.00
ER	Bihar	4803	0	90.1	84.1	0.2	217	0.35
	DVC	3253	0	69.0	-27.9	-0.2	341	0.00
	Jharkhand	1603	0	29.8	19.2	-0.3	286	1.74
	Odisha	5548	0	111.0	38.7	-2.2	403	0.00
	West Bengal	7326	0	139.6	1.8	-1.0	268	0.00
NER	Sikkim	92	0	1.4	1.4	0.0	45	0.00
	Arunachal Pradesh	130	0	2.3	2.7	-0.5	0	0.00
	Assam	1678	0	29.6	21.8	0.0	161	0.00
	Manipur	194	0	2.5	2.5	0.1	47	0.00
	Meghalaya	358	0	6.7	3.3	0.1	57	0.00
	Mizoram	119	0	1.5	1.1	-0.4	56	0.00
	Nagaland	139	0	2.2	1.8	0.1	25	0.00
	Tripura	267	0	4.0	3.4	0.1	59	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	16.4	5.5	-23.5
Day Peak (MW)	856.0	238.0	-1072.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	145.9	-34.6	44.3	-141.1	-14.6	0.0
Actual(MU)	152.4	-46.1	48.0	-140.6	-14.9	-1.0
O/D/U/D(MU)	6.5	-11.5	3.7	0.5	-0.3	-1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8092	20281	7888	4510	985	41756	50
State Sector	11445	16791	10195	2460	99	40990	50
Total	19537	37072	18083	6970	1084	82745	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	606	1032	448	536	13	2635	70
Lignite	24	12	56	0	0	92	2
Hvdro	160	36	154	78	33	461	12
Nuclear	26	36	70	0	0	132	4
Gas, Naptha & Diesel	14	3	4	0	23	44	1
RES (Wind, Solar, Biomass & Others)	115	100	193	5	1	415	11
Total	945	1219	926	619	69	3778	100

Share of RES in total generation (%)	12.20	8.23	20.83	0.86	1.37	10.98
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.84	14.18	45.06	13.48	48.41	26.67

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.081

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-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	741	0.0	17.9	-17.9	
2	HVDC	PUSAULI-BB	-	-	346	0.0	5.4	-5.4	
3	765 kV	GAYA-VARANASI	2	199	760	0.0	7.7	-7.7	
4	765 kV	SASARAM-FATEHPUR	1	0	482	0.0	7.8	-7.8	
5	765 kV	GAYA-BALIA	1	0	509	0.0	9.1	-9.1	
6	400 kV	PUSAULI-VARANASI	1	0	223	0.0	3.1	-3.1	
7	400 kV	PUSAULI-ALLAHABAD	1	36	175	0.0	2.1	-2.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	816	0.0	12.4	-12.4	
9	400 kV	PATNA-BALIA	2	0	362	0.0	6.4	-6.4	
10	400 kV	NAUBATPUR-BALIA	2	0	379	0.0	6.6	-6.6	
11	400 kV	BIHARSHARIF-BALIA	2	0	283	0.0	3.3	-3.3	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	402	0.0	6.7	-6.7	
13	400 kV	BIHARSHARIF-VARANASI	2	89	242	0.0	2.4	-2.4	
14	220 kV	SAHUPURI-KARAMNANA	1	0	111	0.0	1.2	-1.2	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	92.0	-91.4
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	483	227	2.5	0.0	2.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	570	462	3.8	0.0	3.8	
3	765 kV	JHARSUGUDA-DURG	2	0	557	0.0	9.3	-9.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	26	444	0.0	4.7	-4.7	
5	400 kV	RANCHI-SIPAT	2	129	215	0.0	0.4	-0.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	94	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	135	0	1.9	0.0	1.9	
						ER-WR	8.2	15.6	-7.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	274	0.0	6.1	-6.1	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1641	0.0	39.5	-39.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2418	0.0	44.0	-44.0	
4	400 kV	TALCHER-J/C	2	252	0	4.7	0.0	4.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	89.6	-89.6
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	37	372	0.0	3.8	-3.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	329	128	2.8	0.0	2.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	15	40	0.0	0.2	-0.2	
						ER-NER	2.8	4.0	-1.2
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	17.0	-17.0	
						NER-NR	0.0	17.0	-17.0
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1001	0.0	16.9	-16.9	
2	HVDC	VINDHYACHAL B/B	-	438	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0	
4	765 kV	GWALIOR-AGRA	2	0	1118	0.0	17.3	-17.3	
5	765 kV	GWALIOR-PHAGI	2	0	2314	0.0	36.8	-36.8	
6	765 kV	JABALPUR-ORAI	2	0	631	0.0	21.9	-21.9	
7	765 kV	GWALIOR-ORAI	1	806	0	13.3	0.0	13.3	
8	765 kV	SATNA-ORAI	1	0	972	0.0	21.1	-21.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	2702	0	41.5	0.0	41.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1965	0.0	34.4	-34.4	
11	400 kV	ZERDA-KANKROLI	1	430	0	6.1	0.0	6.1	
12	400 kV	ZERDA-BHINMAL	1	607	0	6.5	0.0	6.5	
13	400 kV	VINDHYACHAL-RIHAND	1	974	0	7.7	0.0	7.7	
14	400 kV	RAPP-SHULPUR	2	221	402	0.7	4.4	-3.6	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.1	-1.1	
17	220 kV	MEHGAON-AURAIYA	1	125	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	99	0	1.2	0.0	1.2	
19	132 kV	GWALIOR-SAWAI MADHOPUR	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	104.4	153.8	-49.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	297	0	7.2	0.0	7.2	
2	HVDC	RAIGARH-PUGALUR	2	0	605	0.0	14.6	-14.6	
3	765 kV	SOLAPUR-RAICHUR	2	1356	833	8.9	1.3	7.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	2041	0.0	23.7	-23.7	
5	400 kV	KOLHAPUR-KUDGI	2	1085	0	17.5	0.0	17.5	
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	1	113	1.9	39.5	-37.6	
						WR-SR	35.5	39.5	-4.0
<b>INTERNATIONAL EXCHANGES</b>									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	238	0	195	4.7			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	467	0	423	10.2			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	122	87	89	2.1			
	NER	132kV GELEPHU-SALAKATI	5	0	3	0.1			
	NER	132kV MOTANGA-RANGIA	-30	-18	-25	-0.6			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-42	0	0	0.0			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	280	117	228	5.5			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-924	-735	-858	-20.6			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-148	0	-120	-2.9			