



**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: 26<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 25.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25<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: 26-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)	41591	44172	41625	22864	2294	152546
Peak Shortage (MW)	275	0	0	385	0	660
Energy Met (MU)	845	967	824	459	34	3130
Hydro Gen (MU)	169	42	138	97	31	478
Wind Gen (MU)	17	60	17	-	-	95
Solar Gen (MU)*	111.00	54.58	121.10	5.57	0.22	292
Energy Shortage (MU)	0.73	0.00	0.00	1.05	0.00	1.78
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	42880	47514	42277	23106	2337	154974
Time Of Maximum Demand Met (From NLDC SCADA)	19:26	18:43	18:43	18:44	17:36	18:57

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	0.080	0.66	1.15	3.46	5.27	59.96	34.78

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	4748	0	99.9	50.6	-0.7	97	0.00
	Haryana	4667	0	96.1	47.5	1.1	302	0.58
	Rajasthan	10895	0	215.8	62.0	-0.8	293	0.00
	Delhi	3108	0	59.7	52.5	-1.2	141	0.00
	UP	15430	0	274.7	89.2	0.6	341	0.00
	Uttarakhand	1518	0	25.6	9.0	0.4	148	0.00
	HP	1172	0	18.9	2.8	-0.9	113	0.00
	J&K(UT) & Ladakh(UT)	2559	0	51.1	42.8	0.1	522	0.15
WR	Chandigarh	170	0	2.9	3.4	-0.5	0	0.00
	Chhattisgarh	3903	0	81.9	30.4	-0.4	310	0.00
	Gujarat	13204	0	276.9	170.0	-1.6	774	0.00
	MP	10214	0	195.2	97.8	0.0	616	0.00
	Maharashtra	18375	0	371.3	131.1	1.1	738	0.00
	Goa	608	0	11.8	11.9	-0.2	65	0.00
	DNHDDPDCL	709	0	14.8	15.2	-0.4	137	0.00
	AMNSIL	719	0	15.3	8.9	0.2	309	0.00
SR	Andhra Pradesh	9121	0	181.0	71.5	0.8	426	0.00
	Telangana	9070	0	170.6	18.9	0.4	775	0.00
	Karnataka	8956	0	159.7	48.4	1.2	940	0.00
	Kerala	3874	0	75.7	50.8	0.1	227	0.00
	Tamil Nadu	12300	0	230.3	140.9	-3.0	481	0.00
	Puducherry	347	0	7.1	7.7	-1.3	110	0.00
	Bihar	5225	411	96.3	86.5	0.9	381	0.68
ER	DVC	3307	0	68.7	-16.3	-1.9	311	0.00
	Jharkhand	1625	69	30.9	20.5	-0.4	193	0.38
	Odisha	6199	0	131.3	59.9	-1.3	228	0.00
	West Bengal	7468	0	130.8	20.6	2.3	830	0.00
	Sikkim	78	0	1.0	1.1	-0.1	22	0.00
NER	Arunachal Pradesh	116	0	2.1	2.5	-0.7	26	0.00
	Assam	1431	0	20.0	12.6	0.2	237	0.00
	Manipur	170	0	2.2	2.4	-0.2	12	0.00
	Meghalaya	304	0	5.0	1.3	-0.7	35	0.00
	Mizoram	103	0	1.3	0.6	-0.5	10	0.00
	Nagaland	123	0	1.6	1.4	0.0	19	0.00
	Tripura	193	0	1.9	2.2	-0.4	85	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	29.4	10.0	-22.8
Day Peak (MW)	1583.0	365.0	-1029.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	74.5	-58.6	70.3	-65.4	-21.1	-0.3
Actual(MU)	59.2	-54.8	70.3	-54.6	-24.5	-4.4
O/D/U/D(MU)	-15.3	3.8	0.1	10.8	-3.4	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8512	21791	8798	4110	707	43917	50
State Sector	11140	19986	9765	3410	99	44400	50
Total	19652	41777	18563	7520	806	88317	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	470	832	340	428	9	2079	63
Lignite	26	10	51	0	0	87	3
Hydro	170	42	138	97	31	479	15
Nuclear	31	41	68	0	0	140	4
Gas, Naptha & Diesel	12	2	7	0	23	43	1
RES (Wind, Solar, Biomass & Others)	136	115	194	6	0	451	14
Total	845	1042	798	531	63	3279	100

Share of RES in total generation (%)	16.06	11.06	24.29	1.05	0.35	13.74
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.87	19.03	50.17	19.37	49.78	32.62

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.045

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: 26-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	740	0.0	16.7	-16.7	
2	HVDC	PUSAULI B/B	-	0	351	0.0	8.2	-8.2	
3	765 kV	GAYA-VARANASI	2	519	152	4.2	0.0	4.2	
4	765 kV	SASARAM-FATEHPUR	1	152	166	0.0	0.1	-0.1	
5	765 kV	GAYA-BALIA	1	80	250	0.0	2.4	-2.4	
6	400 kV	PUSAULI-VARANASI	1	0	263	0.0	5.1	-5.1	
7	400 kV	PUSAULI-ALLAHABAD	1	0	162	0.0	2.8	-2.8	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	752	0.0	10.2	-10.2	
9	400 kV	PATNA-BALIA	2	92	214	0.0	1.8	-1.8	
10	400 kV	NAUBATPUR-BALIA	2	135	212	0.0	1.4	-1.4	
11	400 kV	BHARSHARIF-BALIA	2	133	217	0.0	0.8	-0.8	
12	400 kV	MOTHARI-GORAKHPUR	2	0	327	0.0	4.4	-4.4	
13	400 kV	BHARSHARIF-VARANASI	2	217	69	1.3	0.0	1.3	
14	220 kV	SAHUPURI-KARAMNANA	1	53	72	0.0	0.4	-0.4	
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	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	5.9	54.2	-48.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1237	25	18.0	0.0	18.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	879	516	7.0	0.0	7.0	
3	765 kV	JHARSUGUDA-DURG	2	60	348	0.0	3.6	-3.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	182	513	0.0	1.3	-1.3	
5	400 kV	RANCHI-SIPAT	2	231	184	1.0	0.0	1.0	
6	220 kV	BUDHIPADAR-RAIGARH	1	51	77	0.0	0.2	-0.2	
7	220 kV	BUDHIPADAR-KORBA	2	191	0	3.2	0.0	3.2	
						ER-WR	29.2	5.0	24.2
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	291	0	7.2	0.0	7.2	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1984	0.0	40.7	-40.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3063	0.0	43.4	-43.4	
4	400 kV	TALCHER-JC	2	234	643	0.0	9.5	-9.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	7.2	84.0	-76.8
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	352	165	2.0	0.0	2.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	574	37	5.5	0.0	5.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	98	47	0.6	0.0	0.6	
						ER-NER	8.1	0.0	8.1
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	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	0	701	0.0	16.8	-16.8	
2	HVDC	VINDHYACHAL B/B	-	445	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	162	963	0.1	13.4	-13.3	
5	765 kV	GWALIOR-PHAGI	2	736	1520	2.7	17.3	-14.6	
6	765 kV	JABALPUR-ORAI	2	98	220	0.0	5.9	-5.9	
7	765 kV	GWALIOR-ORAI	1	830	0	11.7	0.0	11.7	
8	765 kV	SATNA-ORAI	1	0	720	0.0	12.9	-12.9	
9	765 kV	BANASKANTHA-CHITORGARH	2	1848	0	30.6	0.0	30.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1890	0.0	31.9	-31.9	
11	400 kV	ZERDA-KANKROLI	1	322	0	5.8	0.0	5.8	
12	400 kV	ZERDA-BHINMAL	1	583	0	7.7	0.0	7.7	
13	400 kV	VINDHYACHAL-RIHAND	1	956	0	17.4	0.0	17.4	
14	400 kV	RAPP-SHUJALPUR	2	541	96	3.6	0.5	3.1	
15	220 kV	BHANPURA-RANPUR	1	0	23	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.6	-0.6	
17	220 kV	MEHGAON-AURAIYA	1	114	134	0.9	0.0	0.9	
18	220 kV	MALANPUR-AURAIYA	1	89	34	1.3	0.0	1.3	
19	132 kV	GWALIOR-SAWAL MADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	29	0	0.0	0.0	0.0	
						WR-NR	94.0	99.4	-5.4
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	0	15.5	0.0	15.5	
2	HVDC	RAIGARH-PUGALUR	2	0	1998	0.0	29.0	-29.0	
3	765 kV	SOLAPUR-RAICHUR	2	1133	1790	5.8	8.4	-2.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	2458	0.0	23.9	-23.9	
5	400 kV	KOLHAPUR-KUDGI	2	853	0	12.4	0.0	12.4	
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	92	2.2	0.0	2.2	
						WR-SR	35.9	61.3	-25.4

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

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)	532	0	414	9.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*70MW))	820	570	704	16.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	195	109	152	3.6
	NER	132kV GELEPHU-SALAKATI	24	3	15	0.4
	NER	132kV MOTANGA-RANGIA	39	16	28	0.7
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-16	0	0	0.0
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	381	21	381	10.0
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-935	-814	-898	-21.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-94	0	-53	-1.3