



**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: 11<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 10.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10<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:

11-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)	49468	53346	41094	23544	2885	170337
Peak Shortage (MW)	35	0	0	142	0	177
Energy Met (MU)	1016	1219	878	530	53	3696
Hydro Gen (MU)	214	107	153	140	36	649
Wind Gen (MU)	3	16	12	-	-	32
Solar Gen (MU)*	106.07	44.24	71.97	5.21	0.55	228
Energy Shortage (MU)	0.53	0.00	0.00	1.29	0.00	1.82
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50570	56021	41641	23641	2955	173490
Time Of Maximum Demand Met (From NLDC SCADA)	19:14	18:47	18:37	18:46	18:01	18:50

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	0.040	0.00	1.24	6.32	7.56	79.08	13.37

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	8716	0	176.9	103.7	-1.0	92	0.00
	Haryana	6409	0	126.9	78.2	-1.2	227	0.00
	Rajasthan	11176	0	242.6	73.9	2.2	439	0.00
	Delhi	3730	0	72.9	72.0	-1.2	99	0.00
	UP	15549	0	275.4	82.2	-0.3	486	0.00
	Uttarakhand	1775	70	35.6	16.5	0.4	164	0.13
	HP	1693	0	33.1	9.9	-0.1	59	0.00
	J&K(UT) & Ladakh(UT)	2538	0	48.2	38.1	0.6	189	0.40
WR	Chandigarh	227	0	4.4	4.3	0.1	40	0.00
	Chhattisgarh	4335	0	100.8	47.7	-0.2	224	0.00
	Gujarat	19017	0	401.6	252.7	-2.5	657	0.00
	MP	9189	0	196.5	82.7	0.0	762	0.00
	Maharashtra	21557	0	465.4	186.2	-4.1	721	0.00
	Goa	629	0	12.2	12.5	-0.6	47	0.00
	DNHDDPDCL	1218	0	27.7	27.6	0.1	55	0.00
	AMNSIL	671	0	14.7	7.5	-0.4	332	0.00
SR	Andhra Pradesh	8020	0	166.4	55.4	-1.4	514	0.00
	Telangana	8746	0	167.2	15.4	-1.8	501	0.00
	Karnataka	8646	0	171.3	65.1	-0.7	446	0.00
	Kerala	3808	0	75.6	50.1	0.3	179	0.00
	Tamil Nadu	14434	0	289.3	170.3	-0.2	605	0.00
	Puducherry	394	0	8.6	8.3	-0.4	39	0.00
ER	Bihar	5702	74	116.2	105.5	0.2	263	1.29
	DVC	3343	0	73.0	-24.5	0.2	186	0.00
	Jharkhand	1764	0	33.6	23.9	0.2	153	0.00
	Odisha	5663	0	125.6	43.6	-2.0	611	0.00
	West Bengal	9239	0	180.0	47.1	-0.1	397	0.00
	Sikkim	106	0	1.5	1.5	0.1	41	0.00
NER	Arunachal Pradesh	121	0	2.0	2.1	-0.3	23	0.00
	Assam	1843	0	33.2	24.7	0.7	135	0.00
	Manipur	195	0	2.7	2.8	-0.1	17	0.00
	Meghalaya	339	0	6.0	3.2	0.0	46	0.00
	Mizoram	109	0	1.6	0.5	-0.3	7	0.00
	Nagaland	140	0	2.5	2.1	-0.2	26	0.00
	Tripura	278	0	5.1	5.2	-0.2	83	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	43.9	10.1	-26.1
Day Peak (MW)	2047.0	394.0	-1103.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	128.5	-39.9	52.1	-124.8	-16.0	0.0
Actual(MU)	120.3	-37.3	52.8	-121.8	-17.7	-3.8
O/D/U/D(MU)	-8.2	2.6	0.7	2.9	-1.8	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6382	16436	5498	1520	309	30144	47
State Sector	10385	14876	7280	1820	78	34439	53
Total	16767	31312	12778	3340	387	64583	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	582	1064	453	545	12	2656	69
Lignite	25	11	45	0	0	80	2
Hydro	215	107	153	140	36	650	17
Nuclear	30	36	67	0	0	133	3
Gas, Naptha & Diesel	5	2	6	0	30	42	1
RES (Wind, Solar, Biomass & Others)	116	62	124	5	1	308	8
Total	973	1281	848	690	78	3870	100

Share of RES in total generation (%)	11.96	4.83	14.60	0.76	0.71	7.96
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.19	15.97	40.54	21.01	46.61	28.20

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.008
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: 11-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	701	0.0	17.3	-17.3	
2	HVDC	PUSAULI B/B	-	0	348	0.0	8.8	-8.8	
3	765 kV	GAYA-VARANASI	2	414	482	1.4	0.0	1.4	
4	765 kV	SASARAM-FATEHPUR	1	57	392	0.0	2.4	-2.4	
5	765 kV	GAYA-BALIA	1	0	364	0.0	5.1	-5.1	
6	400 kV	PUSAULI-VARANASI	1	0	217	0.0	4.8	-4.8	
7	400 kV	PUSAULI-ALLAHABAD	1	0	189	0.0	3.7	-3.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	988	0.0	17.4	-17.4	
9	400 kV	PATNA-BALIA	2	0	403	0.0	5.1	-5.1	
10	400 kV	NAUBATPUR-BALIA	2	0	433	0.0	6.3	-6.3	
11	400 kV	BIHARSHARIF-BALIA	2	0	451	0.0	5.9	-5.9	
12	400 kV	MOTHARI-GORAKHPUR	2	0	515	0.0	8.0	-8.0	
13	400 kV	BIHARSHARIF-VARANASI	2	148	238	0.0	0.1	-0.1	
14	220 kV	SAHUPURI-KARAMNANA	1	14	123	0.0	1.2	-1.2	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3	
17	132 kV	KARMANASA-SAHUPURI	1	0	55	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	1.7	86.2	-84.6
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	234	543	0.0	0.0	0.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	296	506	2.3	0.0	2.3	
3	765 kV	JHARSUGUDA-DURG	2	0	507	0.0	7.7	-7.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	446	0.0	5.6	-5.6	
5	400 kV	RANCHI-SIPAT	2	98	298	0.5	0.0	0.5	
6	220 kV	BUDHIPADAR-RAIGARH	1	17	86	0.0	0.9	-0.9	
7	220 kV	BUDHIPADAR-KORBA	2	145	0	2.1	0.0	2.1	
						ER-WR	4.8	14.3	-9.5
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	548	0.0	12.5	-12.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1628	0.0	34.5	-34.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	1953	0.0	32.2	-32.2	
4	400 kV	TALCHER-I/C	2	691	528	7.5	0.0	7.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	79.2	-79.2
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	138	145	0.9	0.5	0.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	245	174	1.9	0.0	1.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	10	44	0.0	0.3	-0.3	
						ER-NER	2.8	0.8	2.0
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	0.0	16.9	-16.9	
						NER-NR	0.0	16.9	-16.9
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1106	0.0	24.7	-24.7	
2	HVDC	VINDHYACHAL B/B	-	448	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	612	0.0	14.2	-14.2	
4	765 kV	GWALIOR-AGRA	2	97	583	0.1	8.0	-7.9	
5	765 kV	GWALIOR-PHAGI	2	53	1882	0.0	26.8	-26.8	
6	765 kV	JABALPUR-ORAI	2	18	331	0.0	7.7	-7.7	
7	765 kV	GWALIOR-ORAI	2	830	0	13.9	0.0	13.9	
8	765 kV	SATNA-ORAI	1	0	834	0.0	16.6	-16.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	2232	0	42.1	0.0	42.1	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2196	0.0	39.9	-39.9	
11	400 kV	ZERDA-KANKROLI	1	447	0	7.9	0.0	7.9	
12	400 kV	ZERDA-BHINMAL	1	675	0	9.3	0.0	9.3	
13	400 kV	VINDHYACHAL-RIHAND	1	956	0	20.9	0.0	20.9	
14	400 kV	RAPP-SHUJALPUR	2	384	178	2.1	1.6	0.5	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.8	-0.8	
17	220 kV	MEHGAON-AURAIYA	1	102	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	83	0	1.2	0.0	1.2	
19	132 kV	GWALIOR-SAWAL 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	110.6	140.2	-29.6
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	813	0.0	19.2	-19.2	
2	HVDC	RAIGARH-PUGALUR	2	0	2021	0.0	30.6	-30.6	
3	765 kV	SOLAPUR-RAICHUR	2	1856	16	17.7	0.0	17.7	
4	765 kV	WARDHA-NIZAMABAD	2	381	1211	0.8	8.9	-8.1	
5	400 kV	KOLHAPUR-KUDGI	2	1188	0	20.9	0.0	20.9	
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	111	2.1	0.0	2.1	
						WR-SR	41.5	58.6	-17.2

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)	676	613	634	15.2
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (5*170MW))	1097	0	1051	25.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	222	191	199	4.8
	NER	132kV GELEPHU-SALAKATI	30	4	26	0.6
	NER	132kV MOTANGA-RANGIA	50	14	29	0.7
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-32	0	-4	-0.1
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	426	280	424	10.2
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-938	-931	-933	-22.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-165	0	-156	-3.7