



**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: 06<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 05.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05<sup>th</sup> Oct 2022, is available at the NLDC website.

धन्यवाद,

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 06-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)	53656	48546	38125	21577	2605	164509
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1256	1212	918	463	48	3897
Hydro Gen (MU)	232	96	155	143	31	657
Wind Gen (MU)	8	69	92	-	-	170
Solar Gen (MU)*	118.07	48.17	78.84	4.69	0.55	250
Energy Shortage (MU)	0.12	0.00	0.00	0.30	0.00	0.42
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56378	53417	45380	22014	2617	172040
Time Of Maximum Demand Met (From NLDC SCADA)	00:14	11:00	09:42	22:47	19:11	11:26

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	0.029	0.00	0.19	5.91	6.10	80.66	13.24

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	11237	0	237.6	142.4	-2.1	95	0.00
	Haryana	7639	0	165.2	113.7	-0.8	188	0.00
	Rajasthan	13085	0	277.0	115.1	-0.5	216	0.00
	Delhi	4693	0	96.2	87.7	0.2	247	0.00
	UP	18242	0	356.0	137.9	-2.7	684	0.00
	Uttarakhand	1730	0	38.0	14.2	0.2	128	0.12
	HP	1519	0	29.5	3.9	0.6	94	0.00
	J&K(UT) & Ladakh(UT)	2730	0	52.1	39.1	1.0	218	0.00
WR	Chandigarh	221	0	4.6	4.7	-0.2	13	0.00
	Chhattisgarh	4220	0	98.3	42.8	-0.8	177	0.00
	Gujarat	18473	0	393.5	229.9	-0.8	858	0.00
	MP	9785	0	216.5	99.1	0.0	303	0.00
	Maharashtra	20386	0	456.7	195.1	-1.2	847	0.00
	Goa	586	0	11.4	12.1	-1.2	37	0.00
	DNHDDPDCL	1102	0	22.0	21.9	0.1	91	0.00
	AMNSIL	683	0	14.0	7.7	0.0	331	0.00
SR	Andhra Pradesh	8670	0	177.1	48.3	-1.0	466	0.00
	Telangana	11422	0	199.1	39.2	0.4	722	0.00
	Karnataka	8011	0	154.4	46.7	-1.2	491	0.00
	Kerala	3636	0	75.0	47.3	-0.2	229	0.00
	Tamil Nadu	14347	0	303.4	153.5	0.5	870	0.00
	Puducherry	402	0	8.9	8.5	-0.2	39	0.00
	ER	Bihar	5488	218	100.1	93.0	1.2	320
DVC		2925	0	64.5	-20.9	-0.2	246	0.00
Jharkhand		1332	0	27.6	18.0	-1.5	198	0.00
Odisha		6163	0	131.2	54.4	-1.6	458	0.00
West Bengal		6762	0	138.3	-3.5	0.1	437	0.00
Sikkim		66	0	0.9	1.1	-0.1	16	0.00
NER	Arunachal Pradesh	102	0	2.3	2.3	-0.2	42	0.00
	Assam	1646	0	28.9	20.7	-0.6	186	0.00
	Manipur	178	0	2.5	2.7	-0.1	21	0.00
	Meghalaya	323	0	5.7	1.8	-0.2	41	0.00
	Mizoram	108	0	1.8	0.4	0.0	61	0.00
	Nagaland	148	0	2.6	2.0	0.0	11	0.00
	Tripura	288	0	4.6	4.7	-0.4	27	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	43.7	9.7	-26.2
Day Peak (MW)	2070.0	373.0	-1116.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	239.4	-61.6	40.5	-201.7	-16.6	0.0
Actual(MU)	232.1	-61.1	53.8	-210.0	-18.2	-3.4
O/D/U/D(MU)	-7.3	0.5	13.3	-8.3	-1.7	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3442	16061	9208	1200	309	30219	44
State Sector	9185	17471	7988	3480	78	38202	56
Total	12627	33532	17196	4680	387	68421	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	681	1032	422	559	12	2706	66
Lignite	23	12	45	0	0	80	2
Hydro	234	96	155	143	31	659	16
Nuclear	30	40	64	0	0	134	3
Gas, Naptha & Diesel	12	2	7	0	30	50	1
RES (Wind, Solar, Biomass & Others)	133	119	210	5	1	467	11
Total	1113	1301	902	706	73	4094	100

Share of RES in total generation (%)	12.00	9.12	23.25	0.67	0.75	11.41
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.72	19.56	47.53	20.86	43.12	30.75

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.045
Based on State Max Demands	1.095

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: 06-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	16.9	-16.9
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.2	-8.2
3	765 kV	GAYA-VARANASI	2	0	1039	0.0	14.0	-14.0
4	765 kV	SASARAM-FATEHPUR	1	0	1256	0.0	10.5	-10.5
5	765 kV	GAYA-BALIA	1	0	588	0.0	10.0	-10.0
6	400 kV	PUSAULI-VARANASI	1	0	219	0.0	4.1	-4.1
7	400 kV	PUSAULI-ALLAHABAD	1	0	216	0.0	4.1	-4.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1274	0.0	22.6	-22.6
9	400 kV	PATNA-BALIA	2	0	702	0.0	12.6	-12.6
10	400 kV	NAUBATPUR-BALIA	2	0	762	0.0	13.4	-13.4
11	400 kV	BIHARSHARIFF-BALIA	2	0	623	0.0	11.3	-11.3
12	400 kV	MOTIHARI-GORAKHPUR	2	0	714	0.0	12.1	-12.1
13	400 kV	BIHARSHARIFF-VARANASI	2	0	440	0.0	5.9	-5.9
14	220 kV	SAHIBPUR-KARMANASA	1	12	126	0.0	1.7	-1.7
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.2	0.0	-0.2
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	-0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	40	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
ER-NR						0.5	147.3	-146.8
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1024	163	7.8	0.0	7.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	183	470	0.0	6.9	-6.9
3	765 kV	JHARSUGUDA-DURG	2	0	448	0.0	7.7	-7.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	573	0.0	8.4	-8.4
5	400 kV	RANCHI-SIPAT	2	65	309	0.0	3.5	-3.5
6	220 kV	BUDHIPADAR-RAIGARH	1	68	86	0.0	0.9	-0.9
7	220 kV	BUDHIPADAR-KORBA	2	195	0	1.7	0.0	1.7
ER-WR						9.4	27.4	-18.0
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZIWARA B/B	2	0	544	0.0	12.4	-12.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	42.6	-42.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2578	0.0	40.6	-40.6
4	400 kV	TALCHER-JC	2	393	905	0.0	2.0	-2.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
ER-SR						0.0	95.6	-95.6
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	182	92	1.6	0.3	1.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	310	128	2.0	0.0	2.0
3	220 kV	ALIPURDUAR-SALAKATI	2	22	36	0.0	0.2	-0.2
ER-NER						3.6	0.5	3.1
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	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	1004	0.0	23.8	-23.8
2	HVDC	VINDHYACHAL B/B	-	446	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	262	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	60	1201	0.1	16.3	-16.2
5	765 kV	GWALIOR-PHAGI	2	0	2208	0.0	37.2	-37.2
6	765 kV	JABALPUR-ORAI	2	0	671	0.0	15.4	-15.4
7	765 kV	GWALIOR-ORAI	1	844	0	11.2	0.0	11.2
8	765 kV	SATNA-ORAI	1	0	1265	0.0	22.6	-22.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1957	0	27.7	0.0	27.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	2150	0.0	33.0	-33.0
11	400 kV	ZERDA-KANKROLI	1	330	1	4.6	0.0	4.6
12	400 kV	ZERDA-BHINMAL	1	514	131	4.8	0.0	4.8
13	400 kV	VINDHYACHAL-RIHAND	1	962	0	21.6	0.0	21.6
14	400 kV	RAPP-SIBUALPUR	2	245	642	0.6	7.3	-6.6
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2
17	220 kV	MEHGAON-AURAIYA	1	94	0	0.9	0.0	0.9
18	220 kV	MALANPUR-AURAIYA	1	75	0	1.4	0.0	1.4
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						84.9	162.9	-78.0
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	312	0.0	7.2	-7.2
2	HVDC	RAIGARH-PUGALUR	2	573	605	0.0	4.2	-4.2
3	765 kV	SOLAPUR-RAICHUR	2	1727	349	14.1	1.9	12.3
4	765 kV	WARDHA-NIZAMABAD	2	459	2294	0.5	21.1	-20.6
5	400 kV	KOLHAPUR-KUDGI	2	1043	0	16.6	0.0	16.6
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	102	2.1	0.0	2.1
WR-SR						33.3	34.4	-1.0
<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)	705	0	645	15.5		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1096	0	1052	25.2		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	207	0	188	4.5		
	NER	132kV GELEPHU-SALAKATI	-33	-16	-24	-0.6		
	NER	132kV MOTANGA-RANGIA	-50	-27	-41	-1.0		
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-49	0	-3	-0.1		
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0		
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	422	305	407	9.8		
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-950	-943	-948	-22.7		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-166	0	-143	-3.4		