



**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: 08<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 07.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07<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: 08-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)	53590	52439	41718	23623	3118	174488
Peak Shortage (MW)	0	0	0	143	0	143
Energy Met (MU)	1198	1201	917	513	57	3886
Hydro Gen (MU)	225	103	151	139	33	651
Wind Gen (MU)	22	59	86	-	-	166
Solar Gen (MU)*	108.45	34.10	82.17	4.99	0.71	230
Energy Shortage (MU)	0.46	0.00	0.00	1.01	0.00	1.47
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54615	54605	42317	23755	3182	177353
Time Of Maximum Demand Met (From NLDC SCADA)	19:20	18:45	10:27	20:13	18:35	18:45

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	0.017	0.00	0.00	0.20	0.20	83.84	15.96

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	10721	0	231.3	150.8	-1.6	85	0.00
	Haryana	7587	0	164.3	105.8	-1.3	207	0.00
	Rajasthan	12661	0	270.1	103.0	-0.3	393	0.00
	Delhi	4450	0	91.5	88.9	0.0	187	0.00
	UP	15948	0	309.7	89.1	0.5	436	0.00
	Uttarakhand	1835	0	39.2	17.0	0.2	185	0.04
	HP	1729	0	34.5	9.8	0.0	81	0.00
	J&K(UT) & Ladakh(UT)	2778	0	52.5	40.2	2.6	296	0.42
WR	Chandigarh	240	0	4.8	4.9	-0.1	29	0.00
	Chhattisgarh	4183	0	99.1	41.6	-0.8	250	0.00
	Gujarat	19578	0	410.0	262.8	-1.6	853	0.00
	MP	9493	0	187.8	65.5	-3.0	678	0.00
	Maharashtra	21100	0	451.1	194.6	-2.8	726	0.00
	Goa	617	0	11.9	12.4	-0.9	31	0.00
	DNHDDPDCL	1214	0	27.7	27.7	0.0	84	0.00
	AMNSIL	603	0	13.2	7.1	0.0	226	0.00
SR	Andhra Pradesh	8128	0	170.3	51.1	0.2	673	0.00
	Telangana	8198	0	161.8	20.9	-0.7	556	0.00
	Karnataka	9205	0	171.0	59.4	-1.0	505	0.00
	Kerala	3724	0	75.7	46.2	0.6	178	0.00
	Tamil Nadu	15532	0	329.3	152.3	0.0	633	0.00
	Puducherry	405	0	9.2	9.0	-0.5	40	0.00
ER	Bihar	5412	131	115.4	102.7	1.6	268	0.80
	DVC	3195	0	69.9	-19.2	2.0	187	0.00
	Jharkhand	1609	0	31.6	21.3	-0.4	187	0.22
	Odisha	6214	0	133.3	44.6	-0.2	491	0.00
	West Bengal	8102	0	161.2	22.9	-0.4	284	0.00
NER	Sikkim	82	0	1.3	1.2	0.1	25	0.00
	Arunachal Pradesh	125	0	2.2	2.1	-0.2	25	0.00
	Assam	2033	0	37.4	29.6	-0.3	151	0.00
	Manipur	195	0	2.7	2.7	0.0	28	0.00
	Meghalaya	335	0	6.2	3.0	0.0	45	0.00
	Mizoram	115	0	1.6	0.5	-0.2	6	0.00
	Nagaland	145	0	2.4	2.3	-0.2	21	0.00
	Tripura	304	0	5.0	4.9	0.4	132	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	35.5	9.5	-26.0
Day Peak (MW)	1854.0	371.0	-1104.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	211.7	-67.3	30.7	-163.5	-11.6	0.0
Actual(MU)	208.8	-75.6	33.6	-159.7	-11.1	-3.9
O/D/U/D(MU)	-3.0	-8.3	2.9	3.9	0.5	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5882	16106	8958	200	309	31454	46
State Sector	9885	15408	9310	2550	102	37255	54
Total	15767	31514	18268	2750	411	68709	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	648	1052	433	564	12	2708	66
Lignite	25	13	54	0	0	92	2
Hvdro	227	103	151	139	33	653	16
Nuclear	30	40	64	0	0	135	3
Gas, Naptha & Diesel	6	3	6	0	30	43	1
RES (Wind, Solar, Biomass & Others)	137	94	206	5	1	444	11
Total	1072	1305	914	708	76	4074	100
Share of RES in total generation (%)	12.80	7.23	22.58	0.71	0.94	10.89	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.77	18.17	46.14	20.35	45.08	30.22	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.006
Based on State Max Demands	1.059

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: 08-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	16.2	-16.2	
2	HVDC	PUSAULI B/B	2	0	346	0.0	8.2	-8.2	
3	765 kV	GAYA-VARANASI	2	277	906	0.0	6.9	-6.9	
4	765 kV	SASARAM-FATEHPUR	1	0	520	0.0	6.3	-6.3	
5	765 kV	GAYA-BALIA	1	0	436	0.0	7.6	-7.6	
6	400 kV	PUSAULI-VARANASI	1	0	245	0.0	4.6	-4.6	
7	400 kV	PUSAULI-ALLAHABAD	1	0	217	0.0	3.6	-3.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1034	0.0	16.4	-16.4	
9	400 kV	PATNA-BALIA	2	0	508	0.0	9.7	-9.7	
10	400 kV	NAUBATPUR-BALIA	2	0	536	0.0	9.8	-9.8	
11	400 kV	BIHARSHARIFF-BALIA	2	0	436	0.0	8.1	-8.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	581	0.0	9.3	-9.3	
13	400 kV	BIHARSHARIFF-VARANASI	2	91	361	0.0	3.0	-3.0	
14	220 kV	SINPUR-BIKARANMANA	1	18	72	0.0	1.0	-1.0	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5	
17	132 kV	KARMANASA-SAHUPURI	1	0	19	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	110.7	-110.2
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	260	550	0.0	3.1	-3.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	326	441	2.0	0.0	2.0	
3	765 kV	JHARSUGUDA-DURG	2	0	527	0.0	7.4	-7.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	65	463	0.0	4.5	-4.5	
5	400 kV	RANCHI-SIPAT	2	148	276	0.0	0.3	-0.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	32	86	0.0	0.8	-0.8	
7	220 kV	BUDHIPADAR-KORBA	2	168	0	2.3	0.0	2.3	
						ER-WR	4.3	16.1	-11.8
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	544	0.0	12.4	-12.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1590	0.0	36.6	-36.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2104	0.0	34.6	-34.6	
4	400 kV	TALCHER-T/C	2	549	0	7.1	0.0	7.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	83.5	-83.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	151	247	0.3	2.6	-2.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	313	277	0.0	1.3	-1.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	9	79	0.0	1.1	-1.1	
						ER-NER	0.3	4.9	-4.7
<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	0	2015	0.0	32.6	-32.6	
2	HVDC	VINDHYACHAL B/B	2	445	0	9.5	0.0	9.5	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	262	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	0	1339	0.1	17.9	-17.9	
5	765 kV	GWALIOR-PHAGI	2	0	2248	0.0	35.2	-35.2	
6	765 kV	JABALPUR-ORAI	2	0	888	0.0	24.6	-24.6	
7	765 kV	GWALIOR-ORAI	1	652	0	10.4	0.0	10.4	
8	765 kV	SATNA-ORAI	1	0	1075	0.0	19.9	-19.9	
9	765 kV	BANASKANTHA-CHITORGARH	2	1917	0	29.1	0.0	29.1	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2109	0.0	33.0	-33.0	
11	400 kV	ZERDA-KANKROLI	1	386	0	5.6	0.0	5.6	
12	400 kV	ZERDA-JBHINMAL	1	614	55	7.0	0.0	7.0	
13	400 kV	VINDHYACHAL-RIHAND	1	956	0	21.6	0.0	21.6	
14	400 kV	RAPP-SHILAIIPUR	2	152	703	0.3	6.8	-6.5	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7	
17	220 kV	MEHGAON-AURAIYA	1	70	11	0.5	0.0	0.5	
18	220 kV	MALANPUR-AURAIYA	1	51	18	0.9	0.0	0.9	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	85.0	176.9	-91.9
<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	0	607	0.0	14.6	-14.6	
3	765 kV	SOLAPUR-RAICHUR	2	1687	169	18.3	0.0	18.3	
4	765 kV	WARDHA-NIZAMABAD	2	558	1427	1.6	12.6	-11.0	
5	400 kV	KOLHAPUR-KUDCI	2	978	0	16.8	0.0	16.8	
6	220 kV	KOLHAPUR-CHIKODI	1	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	110	2.0	0.0	2.0	
						WR-SR	38.7	34.4	4.3
<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)	556	0	505	12.1			
		400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1074	0	856	20.6			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	228	0	175	4.2			
	NER	132kV GELEPHU-SALAKATI	28	16	23	0.6			
	NER	132kV MOTANGA-RANGIA	56	12	33	0.8			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-46	0	-2	-0.1			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	417	330	399	9.6			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-947	-890	-941	-22.6			
		132kV COMILLA-SURAJMANNAGAR 1&2	-157	0	-142	-3.4			