



**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: 14<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 13.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13<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: 14-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)	50429	54576	42892	23818	2931	174646
Peak Shortage (MW)	103	0	0	601	0	704
Energy Met (MU)	1079	1223	918	507	54	3781
Hydro Gen (MU)	222	105	151	145	33	657
Wind Gen (MU)	6	36	16	-	-	58
Solar Gen (MU)*	117.47	52.94	85.40	5.02	0.53	261
Energy Shortage (MU)	1.80	0.00	0.00	1.18	0.00	2.98
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51416	56617	43201	24052	3039	175620
Time Of Maximum Demand Met (From NLDC SCADA)	19:24	18:46	18:48	19:42	17:43	18:54

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	0.031	0.00	0.12	3.32	3.44	77.57	18.99

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	8537	0	172.9	98.3	-1.0	165	0.00
	Haryana	6575	0	139.3	81.6	-1.8	70	0.00
	Rajasthan	11365	0	247.4	74.5	0.5	236	0.41
	Delhi	3995	0	78.2	77.0	-0.7	160	0.00
	UP	16821	0	318.0	98.3	1.4	673	1.02
	Uttarakhand	1812	40	37.9	16.2	0.1	135	0.12
	HP	1703	0	32.7	9.3	-0.1	88	0.00
	J&K(UT) & Ladakh(UT)	2723	0	48.7	36.2	3.1	456	0.25
	Chandigarh	195	0	3.8	3.7	0.1	43	0.00
	Chhattisgarh	4329	0	97.4	43.3	-0.4	259	0.00
WR	Gujarat	19218	0	416.1	260.1	2.6	455	0.00
	MP	9698	0	194.3	73.0	0.0	621	0.00
	Maharashtra	21464	0	460.5	178.9	-0.9	603	0.00
	Goa	640	0	12.3	12.7	-0.7	39	0.00
	DNHDDPDCL	1199	0	28.0	27.9	0.1	46	0.00
	AMNSIL	674	0	14.1	11.8	-1.1	255	0.00
SR	Andhra Pradesh	8306	0	177.4	69.2	0.9	586	0.00
	Telangana	9215	0	181.7	38.0	0.3	581	0.00
	Karnataka	8377	0	165.7	62.7	-1.6	582	0.00
	Kerala	3947	0	77.6	50.5	0.2	174	0.00
	Tamil Nadu	14961	0	306.4	174.9	0.3	516	0.00
	Puducherry	424	0	9.3	8.7	-0.1	85	0.00
ER	Bihar	5702	0	110.1	101.1	-0.2	234	0.72
	DVC	3405	0	72.7	-28.6	0.7	419	0.00
	Jharkhand	1591	99	30.6	21.4	-1.2	173	0.46
	Odisha	5577	0	122.4	36.7	-0.3	436	0.00
	West Bengal	8628	0	170.1	38.1	-0.5	396	0.00
NER	Sikkim	119	0	1.7	1.6	0.1	23	0.00
	Arunachal Pradesh	127	0	2.2	2.4	-0.4	43	0.00
	Assam	1877	0	33.4	26.2	0.6	135	0.00
	Manipur	203	0	2.6	2.5	0.1	41	0.00
	Meghalaya	343	0	6.2	2.0	-0.1	47	0.00
	Mizoram	110	0	1.6	0.7	-0.2	39	0.00
	Nagaland	152	0	2.5	2.1	-0.1	14	0.00
	Tripura	284	0	5.3	4.8	-0.2	40	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.2	9.4	-25.9
Day Peak (MW)	1938.0	421.0	-1089.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	136.0	-32.5	70.6	-161.9	-12.2	0.0
Actual(MU)	136.1	-37.1	82.2	-172.9	-11.1	-2.8
O/D/U/D(MU)	0.1	-4.5	11.6	-11.0	1.0	-2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7672	16501	6008	1000	559	31739	46
State Sector	9695	15911	9340	1810	78	36834	54
Total	17367	32412	15348	2810	637	68573	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	600	1039	460	559	9	2667	67
Lignite	26	14	41	0	0	81	2
Hydro	224	105	151	145	33	658	17
Nuclear	30	35	69	0	0	134	3
Gas, Naptha & Diesel	7	3	6	0	29	46	1
RES (Wind, Solar, Biomass & Others)	130	90	141	5	1	367	9
Total	1018	1286	868	709	72	3953	100

Share of RES in total generation (%)	12.78	7.03	16.25	0.71	0.74	9.29
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.76	17.93	41.56	21.21	47.23	29.34

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.015
Based on State Max Demands	1.049

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: 14-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	16.8	-16.8	
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.3	-8.3	
3	765 kV	GAYALYARANASI	2	461	508	0.0	0.5	-0.5	
4	765 kV	SASARAM-FATEHPUR	1	31	560	0.0	6.6	-6.6	
5	765 kV	GAYA-BALIA	1	0	492	0.0	7.9	-7.9	
6	400 kV	PUSAULI-VARANASI	1	0	215	0.0	4.0	-4.0	
7	400 kV	PUSAULI-ALLAHABAD	1	0	215	0.0	4.1	-4.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1065	0.0	17.7	-17.7	
9	400 kV	PATNA-BALIA	2	0	582	0.0	10.0	-10.0	
10	400 kV	NAUBATPUR-BALIA	2	0	624	0.0	10.2	-10.2	
11	400 kV	BIHARSHARIFF-BALIA	2	0	526	0.0	8.2	-8.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	604	0.0	10.2	-10.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	142	286	0.0	1.6	-1.6	
14	220 kV	SINPUR-BIKRAMNASI	1	28	112	0.0	1.1	-1.1	
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	56	0.0	1.1	-1.1	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	108.1	-107.6
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	595	188	5.3	0.0	5.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	509	690	0.0	0.2	-0.2	
3	765 kV	JHARSUGUDA-DURG	2	0	549	0.0	8.2	-8.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	23	466	0.0	5.2	-5.2	
5	400 kV	RANCHI-SIPAT	2	85	262	0.0	1.3	-1.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	26	86	0.0	0.7	-0.7	
7	220 kV	BUDHIPADAR-KORBA	2	178	0	2.4	0.0	2.4	
						ER-WR	7.6	15.6	-8.0
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	542	0.0	12.4	-12.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1647	0.0	39.6	-39.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2546	0.0	46.2	-46.2	
4	400 kV	TALCHER-I/C	2	237	620	0.0	1.3	-1.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	98.3	-98.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	100	203	0.4	2.1	-1.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	212	491	0.0	2.0	-2.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	12	70	0.0	0.6	-0.6	
						ER-NER	0.4	4.6	-4.2
<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	1510	0.0	26.9	-26.9	
2	HVDC	VINDHYACHAL B/B	-	357	0	7.8	0.0	7.8	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	0	0.0	0.0	0.0	
4	765 kV	GWALIOR-AGRA	2	0	803	0.0	11.0	-11.0	
5	765 kV	GWALIOR-PHAGI	2	366	1914	0.4	24.2	-23.8	
6	765 kV	JABALPUR-ORAI	2	39	365	0.0	8.0	-8.0	
7	765 kV	GWALIOR-ORAI	1	873	0	12.7	0.0	12.7	
8	765 kV	SATNA-ORAI	1	0	902	0.0	17.9	-17.9	
9	765 kV	BANASKANTHA-CHITORGARH	2	2422	0	41.3	0.0	41.3	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2080	0.0	35.5	-35.5	
11	400 kV	ZERDA-KANKROLI	1	411	0	7.6	0.0	7.6	
12	400 kV	ZERDA-BHINMAL	1	620	0	9.2	0.0	9.2	
13	400 kV	VINDHYACHAL-RIHAND	1	955	0	21.3	0.0	21.3	
14	400 kV	RAPP-SHULIAPUR	2	449	231	2.7	1.5	1.1	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	2	0	30	0.0	1.0	-1.0	
17	220 kV	MEHGAON-AURAIYA	1	105	0	1.3	0.0	1.3	
18	220 kV	MALANPUR-AURAIYA	1	79	0	0.8	0.0	0.8	
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	104.9	126.0	-21.2
<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	606	0.0	14.0	-14.0	
3	765 kV	SOLAPUR-RAICHUR	2	1177	753	5.5	4.7	0.8	
4	765 kV	WARDHA-NIZAMABAD	2	0	1957	0.0	28.3	-28.3	
5	400 kV	KOLHAPUR-KUDCI	2	1282	0	22.7	0.0	22.7	
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	113	2.1	0.0	2.1	
						WR-SR	30.3	54.2	-23.9
<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)	578	0	536	12.9			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1095	0	1043	25.0			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	217	0	198	4.7			
	NER	132kV GELEPHU-SALAKATI	-32	0	-24	-0.6			
	NER	132kV MOTANGA-RANGIA	-51	-15	-35	-0.8			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	421	225	391	9.4			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-935	-930	-932	-22.4			
	NER	132kV COMILLA-SURAJMANIAGAR 1&2	-154	0	-148	-3.6			