



**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: 20<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 19.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19<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: 20-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)	50882	54917	42019	23091	3018	173927
Peak Shortage (MW)	737	0	0	968	0	1705
Energy Met (MU)	1078	1241	910	498	56	3783
Hydro Gen (MU)	174	92	154	114	22	556
Wind Gen (MU)	15	22	39	-	-	75
Solar Gen (MU)*	114.64	55.36	95.01	5.03	0.87	271
Energy Shortage (MU)	5.30	0.02	0.00	3.53	0.00	8.85
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51995	57949	42359	23311	3121	176657
Time Of Maximum Demand Met (From NLDC SCADA)	19:40	18:36	18:47	18:13	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	0.026	0.00	0.21	4.03	4.24	83.29	12.48

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	7111	0	150.6	67.5	-0.3	155	0.00
	Haryana	7076	0	148.6	80.5	-0.5	157	0.00
	Rajasthan	12101	0	251.6	87.7	4.1	795	2.85
	Delhi	4015	0	80.8	74.1	0.0	256	0.00
	UP	17412	0	322.6	101.6	-0.5	517	0.00
	Uttarakhand	1866	0	38.0	19.6	1.0	147	0.28
	HP	1720	0	29.9	12.3	-1.3	70	1.27
	J&K(UT) & Ladakh(UT)	2674	0	52.2	39.5	2.7	746	0.90
	Chandigarh	210	0	3.9	3.7	0.2	41	0.00
	WR	Chhattisgarh	4366	0	93.9	42.4	-3.4	114
Gujarat		19853	0	415.1	260.6	-0.5	752	0.00
MP		10142	0	204.8	98.2	0.0	421	0.00
Maharashtra		22344	0	474.0	175.7	1.5	1310	0.00
Goa		646	0	12.7	13.3	-0.8	39	0.02
DNHDDPDCL		1223	0	28.2	28.1	0.1	54	0.00
AMNSIL		606	0	12.6	7.7	-0.8	232	0.00
SR	Andhra Pradesh	8204	0	178.7	84.2	0.2	512	0.00
	Telangana	8646	0	171.4	3.3	0.5	622	0.00
	Karnataka	8449	0	172.1	51.4	-1.1	775	0.00
	Kerala	3703	0	74.7	44.7	-0.1	154	0.00
	Tamil Nadu	14331	0	304.3	155.5	-0.6	657	0.00
	Puducherry	407	0	9.2	8.6	-0.2	53	0.00
ER	Bihar	5541	410	104.5	96.5	-1.0	305	0.86
	DVC	3408	0	73.6	-31.0	-0.4	285	0.00
	Jharkhand	1509	0	30.0	19.4	-0.4	344	2.67
	Odisha	5567	0	117.1	33.8	-0.7	530	0.00
	West Bengal	8484	0	171.3	30.4	-1.2	228	0.00
NER	Sikkim	113	0	1.7	1.6	0.0	24	0.00
	Arunachal Pradesh	132	0	2.3	2.4	-0.3	32	0.00
	Assam	1931	0	35.2	27.7	0.0	102	0.00
	Manipur	201	0	2.6	2.5	0.1	34	0.00
	Meghalaya	337	0	6.0	3.2	0.1	47	0.00
	Mizoram	111	0	1.7	0.6	-0.1	20	0.00
	Nagaland	147	0	2.5	1.9	0.0	14	0.00
	Tripura	305	0	5.4	4.8	0.2	43	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	25.2	7.8	-26.1
Day Peak (MW)	1280.0	323.0	-1114.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	146.5	-19.9	28.6	-153.5	-3.9	-2.2
Actual(MU)	150.0	-21.9	22.5	-152.8	-2.6	-4.7
O/D/U/D(MU)	3.5	-2.0	-6.1	0.7	1.3	-2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5663	17241	7148	2595	342	32988	49
State Sector	9010	15644	8335	1860	78	34926	51
Total	14672	32884	15483	4455	420	67914	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	631	1059	471	565	12	2739	69
Lignite	21	16	50	0	0	87	2
Hydro	175	92	154	114	22	557	14
Nuclear	31	36	61	0	0	127	3
Gas, Naptha & Diesel	13	4	7	0	30	53	1
RES (Wind, Solar, Biomass & Others)	137	78	184	5	1	404	10
Total	1006	1286	927	685	65	3968	100
Share of RES in total generation (%)	13.58	6.09	19.81	0.73	1.33	10.19	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.00	16.02	43.00	17.42	35.36	27.44	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.012
Based on State Max Demands	1.047

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)

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Date of Reporting:		NET (MU)	
						Import (MU)	Export (MU)		
Date of Reporting: 20-Oct-2022									
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	851	0.0	20.5	-20.5	
2	HVDC	PUSAULI B/B	2	0	346	0.0	8.4	-8.4	
3	765 kV	GAYALYARANASI	2	398	661	0.0	4.6	-4.6	
4	765 kV	SASARAM-FATEHPUR	1	0	551	0.0	7.7	-7.7	
5	765 kV	GAYA-BALIA	1	0	475	0.0	8.5	-8.5	
6	400 kV	PUSAULI-VARANASI	1	0	216	0.0	4.2	-4.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	206	0.0	4.0	-4.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	939	0.0	15.8	-15.8	
9	400 kV	PATNA-BALIA	2	0	440	0.0	7.0	-7.0	
10	400 kV	NAUBATPUR-BALIA	2	0	465	0.0	7.0	-7.0	
11	400 kV	BIHARSHARIFF-BALIA	2	27	317	0.0	3.6	-3.6	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	581	0.0	8.9	-8.9	
13	400 kV	BIHARSHARIFF-VARANASI	2	146	275	0.0	1.4	-1.4	
14	220 kV	SINPUR-BIKARANMANSI	1	33	104	0.0	0.9	-0.9	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.4	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	44	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	102.4	-102.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	426	253	0.8	0.0	0.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	722	614	3.4	0.0	3.4	
3	765 kV	JHARSUGUDA-DURG	2	0	517	0.0	8.0	-8.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	28	619	0.0	7.7	-7.7	
5	400 kV	RANCHI-SIPAT	2	172	239	0.0	0.4	-0.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	23	123	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	2	216	24	2.0	0.0	2.0	
						ER-WR	6.2	17.1	-10.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	542	0.0	12.4	-12.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1637	0.0	33.8	-33.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2151	0.0	33.8	-33.8	
4	400 kV	TALCHER-I/C	2	721	42	9.7	0.0	9.7	
5	220 kV	BALMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	80.0	-80.0
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	1	346	0.0	5.6	-5.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	217	344	0.0	4.2	-4.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	58	0.0	0.9	-0.9	
						ER-NER	0.0	10.7	-10.7
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	0.0	14.3	-14.3	
						NER-NR	0.0	14.3	-14.3
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1015	0.0	24.5	-24.5	
2	HVDC	VINDHYACHAL B/B	2	440	0	8.8	0.0	8.8	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	0	0.0	0.0	0.0	
4	765 kV	GWALIOR-AGRA	2	0	1344	0.0	23.4	-23.4	
5	765 kV	GWALIOR-PHAGI	2	0	2169	0.0	33.7	-33.7	
6	765 kV	JABALPUR-ORAI	2	0	519	0.0	17.5	-17.5	
7	765 kV	GWALIOR-ORAI	1	1026	0	15.6	0.0	15.6	
8	765 kV	SATNA-ORAI	1	0	925	0.0	19.8	-19.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	2313	0	43.0	0.0	43.0	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1968	0.0	30.6	-30.6	
11	400 kV	ZERDA-KANKROLI	1	396	0	7.3	0.0	7.3	
12	400 kV	ZERDA-BHINMAL	1	647	0	8.7	0.0	8.7	
13	400 kV	VINDHYACHAL-RIHAND	1	967	0	22.1	0.0	22.1	
14	400 kV	RAPP-SHULIAPUR	2	231	331	0.0	3.2	-3.2	
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	105	0	0.9	0.0	0.9	
18	220 kV	MALANPUR-AURAIYA	1	80	0	1.3	0.0	1.3	
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	107.7	153.4	-45.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	316	0.0	7.2	-7.2	
2	HVDC	RAIGARH-PUGALUR	2	0	1106	0.0	18.5	-18.5	
3	765 kV	SOLAPUR-RAICHUR	2	1879	165	20.2	0.0	20.2	
4	765 kV	WARDHA-NIZAMABAD	2	529	1037	0.0	6.0	-6.0	
5	400 kV	KOLHAPUR-KUDCI	2	1295	0	22.2	0.0	22.2	
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	107	2.2	0.0	2.2	
						WR-SR	44.6	31.8	12.9
INTERNATIONAL EXCHANGES									
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)	297	0	296	7.1			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	672	0	672	16.1			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	146	0	145	3.5			
	NER	132KV GELEPHU-SALAKATI	-23	-5	-9	-0.2			
	NER	132KV MOTANGA-RANGIA	-44	0	-37	-0.9			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-56	0	-3	-0.1			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	379	235	328	7.9			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-940	-938	-938	-22.5			
		132KV COMILLA-SURAJMANI 1&2	-174	0	-148	-3.6			