



**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: 02<sup>nd</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 01.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01<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: 02-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)	60766	56283	39823	25689	3380	185941
Peak Shortage (MW)	0	0	0	400	0	400
Energy Met (MU)	1298	1298	919	560	67	4141
Hydro Gen (MU)	269	101	134	127	28	659
Wind Gen (MU)	30	63	169	-	-	261
Solar Gen (MU)*	122.60	54.42	72.87	5.37	0.87	256
Energy Shortage (MU)	2.54	0.02	0.00	0.51	0.00	3.07
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61279	58253	42839	26217	3400	186909
Time Of Maximum Demand Met (From NLDC SCADA)	19:22	18:55	12:21	20:43	18:25	19:13

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	0.24	4.31	4.55	76.40	19.05

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	8590	0	186.1	91.1	-0.6	387	0.00
	Haryana	7916	0	169.2	108.3	0.1	152	0.00
	Rajasthan	13031	0	281.5	94.4	1.8	495	0.00
	Delhi	4722	0	103.3	94.8	-0.7	190	0.00
	UP	22310	0	426.5	176.6	0.4	713	1.82
	Uttarakhand	2029	0	41.9	15.6	0.6	126	0.72
	HP	1559	0	31.2	3.2	0.9	82	0.00
	J&K(UT) & Ladakh(UT)	2804	0	53.5	39.9	0.2	176	0.00
	Chandigarh	260	0	5.0	4.4	0.6	60	0.00
WR	Chhattisgarh	4644	0	107.7	49.3	1.7	273	0.00
	Gujarat	20125	0	420.4	263.2	-4.8	641	0.00
	MP	11037	0	240.1	129.9	0.0	731	0.00
	Maharashtra	21730	0	474.8	176.2	-3.8	564	0.00
	Goa	637	0	13.3	12.5	0.4	15	0.02
	DNHDDPDCL	1136	0	26.5	26.5	0.0	51	0.00
	AMNSIL	669	0	14.8	8.2	0.3	272	0.00
SR	Andhra Pradesh	7863	0	175.4	33.0	-0.5	454	0.00
	Telangana	9944	0	188.8	33.4	0.7	1086	0.00
	Karnataka	8298	0	162.6	44.5	-1.4	549	0.00
	Kerala	3704	0	76.5	47.0	0.7	228	0.00
	Tamil Nadu	14382	0	309.3	136.7	-2.8	412	0.00
	Puducherry	357	0	7.0	8.9	-2.6	25	0.00
ER	Bihar	6747	0	131.9	122.0	-0.7	268	0.13
	DVC	3301	0	71.8	-25.1	0.3	294	0.00
	Jharkhand	1829	0	34.1	25.2	-0.4	221	0.38
	Odisha	6179	0	128.6	54.5	-1.5	411	0.00
	West Bengal	9212	0	191.9	44.8	-1.8	235	0.00
Sikkim	96	0	1.5	1.6	-0.1	28	0.00	
NER	Arunachal Pradesh	126	0	1.9	2.2	-0.6	38	0.00
	Assam	2277	0	45.7	38.0	0.7	128	0.00
	Manipur	199	0	2.8	2.7	0.0	39	0.00
	Meghalaya	343	0	6.3	2.3	0.3	71	0.00
	Mizoram	90	0	1.7	0.6	-0.1	65	0.00
	Nagaland	161	0	2.7	2.4	-0.2	13	0.00
	Tripura	323	0	5.6	4.1	-0.4	33	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	28.6	8.9	-22.4
Day Peak (MW)	1477.0	418.0	-1043.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	178.0	-23.0	-27.1	-127.9	0.0	0.0
Actual(MU)	179.2	-26.7	-34.4	-126.3	0.6	-7.6
O/D/U/D(MU)	1.2	-3.7	-7.2	1.6	0.6	-7.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3092	15396	8568	250	309	27614	43
State Sector	8570	15664	9398	2510	141	36282	57
Total	11661	31059	17966	2760	449	63895	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	708	1079	452	577	13	2829	66
Lignite	23	7	51	0	0	81	2
Hydro	271	101	134	127	28	661	15
Nuclear	25	40	64	0	0	129	3
Gas, Naptha & Diesel	13	2	9	0	29	53	1
RES (Wind, Solar, Biomass & Others)	159	118	280	5	1	563	13
Total	1198	1347	990	710	71	4316	100
Share of RES in total generation (%)	13.26	8.78	28.26	0.75	1.22	13.05	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.93	19.25	48.26	18.67	41.04	31.35	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.063

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: 02-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>								
Dem	HVDC	ALIPURDUAR-AGRA	2	0	700	0.0	16.7	-16.7
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.6	-8.6
3	765 kV	GAYA-VARANASI	2	551	702	0.0	2.3	-2.3
4	765 kV	SASARAM-FATEHPUR	1	190	351	0.0	2.5	-2.5
5	765 kV	GAYA-BALIA	1	0	631	0.0	10.0	-10.0
6	400 kV	PUSAULI-VARANASI	1	0	359	0.0	5.1	-5.1
7	400 kV	PUSAULI-ALLAHABAD	1	0	182	0.0	3.3	-3.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	978	0.0	14.7	-14.7
9	400 kV	PATNA-BALIA	2	0	566	0.0	9.5	-9.5
10	400 kV	NAUBATPUR-BALIA	2	0	596	0.0	9.6	-9.6
11	400 kV	BIHARSHARIF-BALIA	2	0	451	0.0	6.3	-6.3
12	400 kV	MOTHARI-GORAKHPUR	2	0	558	0.0	8.3	-8.3
13	400 kV	BIHARSHARIF-VARANASI	2	217	286	0.0	1.4	-1.4
14	220 kV	SAHUPURI-KARAMNANA	1	34	109	0.0	1.3	-1.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.2	0.0	0.2
17	132 kV	KARMANASA-SAHUPURI	1	0	13	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
						ER-NR	99.6	-99.3
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1304	21	16.2	0.0	16.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	688	17	20.2	0.0	20.2
3	765 kV	JHARSUGUDA-DURG	2	48	254	0.0	2.4	-2.4
4	400 kV	JHARSUGUDA-RAIGARH	4	91	518	0.0	5.0	-5.0
5	400 kV	RANCHI-SIPAT	2	217	147	1.1	0.0	1.1
6	220 kV	BUDHIPADAR-RAIGARH	1	34	113	0.0	1.0	-1.0
7	220 kV	BUDHIPADAR-KORBA	2	150	44	1.3	0.0	1.3
						ER-WR	38.8	30.4
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	549	0.0	9.8	-9.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1646	0.0	39.6	-39.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2699	0.0	40.5	-40.5
4	400 kV	TALCHER-JC	2	252	646	0.0	0.4	-0.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	3	0	0.0	0.0	0.0
						ER-SR	89.9	-89.9
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	2	419	0.1	6.6	-6.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	165	523	0.0	5.9	-5.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	73	0.0	1.1	-1.1
						ER-NER	13.6	-13.5
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	15.1	-15.1
						NER-NR	15.1	-15.1
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2027	0.0	28.5	-28.5
2	HVDC	VINDHYACHAL B/B	-	447	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	0	1109	0.1	16.4	-16.2
5	765 kV	GWALIOR-PHAGI	2	153	1924	0.2	25.9	-25.7
6	765 kV	JABALPUR-ORAI	2	0	814	0.0	24.6	-24.6
7	765 kV	GWALIOR-ORAI	1	671	0	10.3	0.0	10.3
8	765 kV	SATNA-ORAI	1	0	900	0.0	18.3	-18.3
9	765 kV	BANASKANTHA-CHITTOGARH	2	1981	0	31.8	0.0	31.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	2581	0.0	49.7	-49.7
11	400 kV	ZERDA-KANKROLI	1	399	0	7.2	0.0	7.2
12	400 kV	ZERDA-BHINMAL	1	691	0	9.2	0.0	9.2
13	400 kV	VINDHYACHAL-RIHAND	1	952	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	333	447	2.0	4.8	-2.8
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
17	220 kV	MEHGAON-AURAIYA	1	91	0	0.7	0.0	0.7
18	220 kV	MALANPUR-AURAIYA	1	62	0	1.3	0.0	1.3
19	132 kV	GWALIOR-SAWALMADHOPUR	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	96.7	-79.1
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	984	0	16.8	0.0	16.8
2	HVDC	RAIGARH-PUGALUR	2	2404	0	55.4	0.0	55.4
3	765 kV	SOLAPUR-RAICHUR	2	1583	1146	13.3	2.7	10.6
4	765 kV	WARDHA-NIZAMABAD	2	72	2572	0.0	26.0	-26.0
5	400 kV	KOLHAPUR-KUDGI	2	1505	0	25.4	0.0	25.4
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	1	111	0.7	0.0	0.7
						WR-SR	111.6	82.8

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)	439	0	373	9.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*700MW))	782	0	719	17.3
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	197	0	177	4.2
	NER	132kV GELEPHU-SALAKATI	31	12	24	0.6
	NER	132kV MOTANGA-RANGIA	66	15	53	1.3
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	418	238	370	8.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-931	-544	-835	-20.1
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-112	0	-97	-2.3