



**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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 25<sup>th</sup>September 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 24.09.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-सितंबर-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 24<sup>th</sup>Sep 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: 25-Sep-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 20:00 hrs; from RLDCs)	48134	51020	45172	26282	3028	173636
Peak Shortage (MW)	0	0	0	648	0	648
Energy Met (MU)	1077	1196	1097	566	59	3995
Hydro Gen (MU)	326	108	178	137	33	782
Wind Gen (MU)	33	151	126	-	-	310
Solar Gen (MU)*	101.96	46.62	115.63	4.82	0.63	270
Energy Shortage (MU)	0.00	0.00	0.00	1.90	0.00	1.90
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50870	55232	52352	26657	3209	179947
Time Of Maximum Demand Met (From NLDC SCADA)	19:12	19:02	12:28	21:25	18:05	19:03

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	0.01	4.47	4.48	78.28	17.24

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	8122	0	157.6	112.2	-7.9	154	0.00
	Haryana	5551	0	120.5	84.7	-1.6	169	0.00
	Rajasthan	11319	0	248.8	67.9	-1.1	392	0.00
	Delhi	4146	0	85.1	78.8	-2.1	35	0.00
	UP	18194	0	344.6	156.2	-1.0	307	0.00
	Uttarakhand	1846	0	38.8	14.6	-0.4	83	0.00
	HP	1568	0	30.2	-4.0	-0.6	55	0.00
	J&K(UT) & Ladakh(UT)	2495	0	46.9	28.0	3.0	559	0.00
WR	Chandigarh	224	0	4.5	5.3	-0.8	11	0.00
	Chhattisgarh	4274	0	97.0	44.5	-0.5	290	0.00
	Gujarat	19073	0	400.5	221.4	-6.1	645	0.00
	MP	9677	0	195.0	55.1	0.0	411	0.00
	Maharashtra	21252	0	450.2	164.6	-8.0	732	0.00
	Goa	627	0	11.5	12.1	-1.2	118	0.00
	DNHDDPDCL	1206	0	27.9	27.8	0.1	45	0.00
	AMNSIL	609	0	13.5	7.3	0.0	280	0.00
SR	Andhra Pradesh	10628	0	217.4	65.8	1.0	478	0.00
	Telangana	12273	0	224.7	73.2	0.3	491	0.00
	Karnataka	11270	0	209.7	63.9	0.8	618	0.00
	Kerala	3813	0	77.9	43.3	0.3	157	0.00
	Tamil Nadu	16045	0	358.0	155.8	0.5	749	0.00
	Puducherry	416	0	9.8	9.1	-0.1	64	0.00
ER	Bihar	6312	219	125.9	117.1	-0.7	374	0.61
	DVC	3470	0	73.5	-2.4	0.9	393	0.00
	Jharkhand	1763	0	31.8	25.3	-2.6	198	1.29
	Odisha	6687	0	145.2	64.3	-0.2	506	0.00
	West Bengal	9217	0	188.4	48.8	0.1	302	0.00
	Sikkim	104	0	1.7	1.6	0.1	24	0.00
NER	Arunachal Pradesh	112	0	1.8	2.3	-0.7	61	0.00
	Assam	2086	0	39.1	32.3	-0.1	106	0.00
	Manipur	188	0	2.7	2.7	0.0	32	0.00
	Meghalaya	373	0	6.3	2.2	0.0	46	0.00
	Mizoram	95	0	1.6	0.9	-0.1	27	0.00
	Nagaland	149	0	2.9	2.3	0.1	8	0.00
	Tripura	269	0	4.8	5.6	-0.2	64	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.2	8.4	-25.5
Day Peak (MW)	2111.0	375.0	-1083.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	109.5	-127.4	82.1	-56.4	-7.8	0.0
Actual(MU)	72.0	-121.3	107.7	-55.8	-7.1	-4.5
O/D/U/D(MU)	-37.4	6.1	25.6	0.6	0.7	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5162	18376	7778	1270	309	32894	44
State Sector	12435	15686	7982	4910	162	41174	56
Total	17597	34062	15760	6180	470	74068	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	546	988	470	508	12	2525	60
Lignite	23	12	42	0	0	78	2
Hydro	328	108	178	138	33	784	19
Nuclear	29	40	43	0	0	112	3
Gas, Naptha & Diesel	12	2	7	0	28	49	1
RES (Wind, Solar, Biomass & Others)	141	199	290	5	1	636	15
Total	1080	1349	1030	651	74	4184	100

Share of RES in total generation (%)	13.07	14.78	28.16	0.74	0.86	15.21
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	46.18	25.71	49.54	21.88	45.90	36.62

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.047
Based on State Max Demands	1.086

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: 25-Sep-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	700	0.0	17.1	-17.1
2	HVDC	PUSAULI B/B	-	0	348	0.0	8.6	-8.6
3	765 kV	GAYA-VARANASI	2	668	277	7.7	0.0	7.7
4	765 kV	SASARAM-FATEHPUR	1	224	193	1.5	0.0	1.5
5	765 kV	GAYA-BALIA	1	150	388	0.0	2.0	-2.0
6	400 kV	PUSAULI-VARANASI	1	0	265	0.0	5.3	-5.3
7	400 kV	PUSAULI-ALLAHABAD	1	0	160	0.0	2.8	-2.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	748	0.0	10.6	-10.6
9	400 kV	PATNA-BALIA	2	0	355	0.0	4.4	-4.4
10	400 kV	NAUBATPUR-BALIA	2	30	364	0.0	3.5	-3.5
11	400 kV	BIHARSHARIF-BALIA	2	92	240	0.0	1.2	-1.2
12	400 kV	MOTHARI-GORAKHPUR	2	0	74	0.0	5.5	-5.5
13	400 kV	BIHARSHARIF-VARANASI	2	265	122	2.4	0.0	2.4
14	220 kV	SAHUPURI-KARAMNANA	1	52	106	0.0	0.7	-0.7
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	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0
ER-NR						12.1	61.6	-49.5
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1470	0	22.8	0.0	22.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	650	0	5.5	0.0	5.5
3	765 kV	JHARSUGUDA-DURG	2	3	390	0.0	4.3	-4.3
4	400 kV	JHARSUGUDA-RAIGARH	4	213	296	0.0	1.8	-1.8
5	400 kV	RANCHI-SIPAT	2	214	218	1.9	0.0	1.9
6	220 kV	BUDHIPADAR-RAIGARH	1	26	104	0.0	0.5	-0.5
7	220 kV	BUDHIPADAR-KORBA	2	261	0	4.1	0.0	4.1
ER-WR						34.3	6.6	27.7
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	706	0.0	14.3	-14.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	16	1193	0.0	14.4	-14.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2809	0.0	39.9	-39.9
4	400 kV	TALCHER-JC	2	1894	199	22.4	0.0	22.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
ER-SR						0.0	68.6	-68.6
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	67	302	0.0	4.9	-4.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	177	360	0.0	3.7	-3.7
3	220 kV	ALIPURDUAR-SALAKATI	2	2	69	0.0	0.9	-0.9
ER-NER						0.0	9.5	-9.5
<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	5	1495	0.0	20.0	-20.0
2	HVDC	VINDHYACHAL B/B	-	451	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	311	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	290	767	0.7	5.9	-5.3
5	765 kV	GWALIOR-PHAGI	2	1154	1197	6.0	12.7	-6.7
6	765 kV	JABALPUR-ORAI	2	291	409	0.0	4.0	-4.0
7	765 kV	GWALIOR-ORAI	1	668	70	9.0	0.1	8.8
8	765 kV	SATNA-ORAI	1	0	689	0.0	12.9	-12.9
9	765 kV	BANASKANTHA-CHITORGARH	2	1565	0	23.4	0.0	23.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	2718	0.0	42.4	-42.4
11	400 kV	ZERDA-KANKROLI	1	362	0	6.1	0.0	6.1
12	400 kV	ZERDA-BHINMAL	1	558	0	8.6	0.0	8.6
13	400 kV	VINDHYACHAL-RIHAND	1	957	0	20.4	0.0	20.4
14	400 kV	RAPP-SHUJALPUR	2	532	307	3.8	1.4	2.4
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.0	-1.0
17	220 kV	MEHGAON-AURAIYA	1	127	0	0.9	0.0	0.9
18	220 kV	MALANPUR-AURAIYA	1	94	0	1.5	0.0	1.5
19	132 kV	GWALIOR-SAWAL 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						92.4	107.7	-15.3
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1006	0.0	18.6	-18.6
2	HVDC	RAIGARH-PUGALUR	2	0	3510	0.0	52.2	-52.2
3	765 kV	SOLAPUR-RAICHUR	2	968	1751	3.8	7.3	-3.4
4	765 kV	WARDHA-NIZAMABAD	2	0	2805	0.0	29.6	-29.6
5	400 kV	KOLHAPUR-KUDGI	2	1366	0	23.6	0.0	23.6
6	220 kV	KOLHAPUR-CHIKODI	1	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	2	0	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	102	1.9	0.0	1.9
WR-SR						29.4	107.6	-78.2

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)	703	0	476	11.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*70MW))	1135	0	1051	25.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	292	229	240	5.8
	NER	132kV GELEPHU-SALAKATI	25	1	17	0.4
	NER	132kV MOTANGA-RANGIA	55	9	36	0.9
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-0.1
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	421	220	355	8.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-923	-916	-920	-22.1
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-160	0	-143	-3.4