



**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: 09<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 08.09.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08<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:

09-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)	71453	52628	40456	25567	3273	193377
Peak Shortage (MW)	1501	0	0	382	0	1883
Energy Met (MU)	1695	1305	898	556	64	4517
Hydro Gen (MU)	359	110	174	148	35	824
Wind Gen (MU)	7	46	130	-	-	183
Solar Gen (MU)*	114.56	45.85	72.51	2.06	0.70	236
Energy Shortage (MU)	21.53	0.05	0.00	2.32	0.00	23.90
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	74776	57594	41613	26282	3313	197131
Time Of Maximum Demand Met (From NLDC SCADA)	22:44	10:33	07:39	20:59	19:01	11:46

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	0.044	0.13	1.31	9.86	11.29	83.62	5.08

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	13931	0	306.2	178.2	-1.5	90	0.00
	Haryana	12010	0	256.0	177.8	2.3	332	1.96
	Rajasthan	15335	0	321.2	140.9	-0.2	264	2.03
	Delhi	6634	0	136.8	124.9	-1.0	218	0.00
	UP	25704	220	532.0	245.9	0.7	749	15.76
	Uttarakhand	2168	110	48.3	24.6	-0.2	132	1.49
	HP	1709	0	35.8	-1.2	-0.3	78	0.00
	J&K(UT) & Ladakh(UT)	2555	0	51.8	27.7	-0.3	265	0.29
WR	Chandigarh	345	0	7.0	6.8	0.2	55	0.00
	Chhattisgarh	4856	0	116.9	62.5	-0.6	243	0.00
	Gujarat	20331	0	425.6	251.1	4.6	1296	0.00
	MP	10478	0	238.5	119.3	0.0	456	0.00
	Maharashtra	20929	0	470.2	174.3	-2.9	891	0.05
	Goa	594	0	12.7	12.5	0.2	34	0.00
	DNHDDPDCL	1192	0	26.9	27.1	-0.2	138	0.00
	AMNSIL	675	0	14.2	8.6	-0.5	294	0.00
SR	Andhra Pradesh	8428	0	180.4	64.4	-0.4	821	0.00
	Telangana	10633	0	195.0	45.3	-0.8	503	0.00
	Karnataka	8020	0	162.4	39.9	-1.6	526	0.00
	Kerala	2849	0	60.5	17.8	-1.8	158	0.00
	Tamil Nadu	13830	0	290.8	96.7	-1.3	593	0.00
	Puducherry	399	0	8.9	8.5	-0.3	43	0.00
ER	Bihar	6540	0	129.7	120.0	-1.0	321	0.86
	DVC	3429	0	73.2	-29.0	1.3	342	0.00
	Jharkhand	1448	0	31.6	25.3	-1.2	176	1.46
	Odisha	5774	0	127.5	38.8	-1.8	302	0.00
	West Bengal	9683	0	192.3	67.9	0.3	447	0.00
	Sikkim	106	0	1.7	1.6	0.0	26	0.00
NER	Arunachal Pradesh	122	0	2.3	2.0	0.2	102	0.00
	Assam	2160	0	42.7	35.4	0.7	134	0.00
	Manipur	186	0	2.7	2.7	0.0	41	0.00
	Meghalaya	319	0	5.7	1.0	0.0	47	0.00
	Mizoram	106	0	1.6	0.8	-0.2	5	0.00
	Nagaland	152	0	2.8	2.4	-0.2	11	0.00
	Tripura	318	0	5.9	6.2	0.3	67	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	45.4	7.3	-25.5
Day Peak (MW)	2057.0	378.0	-1076.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	400.3	-142.1	-91.7	-157.5	-9.0	0.0
Actual(MU)	406.1	-139.8	-107.4	-157.4	-10.4	-8.9
O/D/U/D(MU)	5.8	2.3	-15.7	0.1	-1.5	-8.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3612	10769	6268	1560	309	22517	39
State Sector	7125	17991	7832	2610	170	35727	61
Total	10737	28760	14100	4170	478	58244	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	818	1216	534	603	17	3189	67
Lignite	25	9	41	0	0	75	2
Hydro	360	110	174	148	35	825	17
Nuclear	33	40	42	0	0	115	2
Gas, Naptha & Diesel	19	5	7	0	29	60	1
RES (Wind, Solar, Biomass & Others)	140	93	242	2	1	477	10
Total	1396	1472	1040	752	81	4742	100

Share of RES in total generation (%)	10.02	6.29	23.27	0.27	0.86	10.05
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.92	16.47	43.98	19.87	43.26	29.81

H. All India Demand Diversity Factor

Based on Regional Max Demands	1,033
Based on State Max Demands	1,085

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: 09-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	702	0.0	17.3	-17.3	
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.4	-8.4	
3	765 kV	GAYA-VARANASI	2	0	738	0.0	10.8	-10.8	
4	765 kV	SASARAM-FATEHPUR	1	0	477	0.0	8.7	-8.7	
5	765 kV	GAYA-BALIA	1	0	739	0.0	12.7	-12.7	
6	400 kV	PUSAULI-VARANASI	1	0	189	0.0	3.7	-3.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	240	0.0	4.5	-4.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1133	0.0	22.6	-22.6	
9	400 kV	PATNA-BALIA	2	0	715	0.0	14.7	-14.7	
10	400 kV	NAUBATPUR-BALIA	2	0	762	0.0	16.1	-16.1	
11	400 kV	BIHARSHARIF-BALIA	2	0	617	0.0	10.0	-10.0	
12	400 kV	MOTHARI-GORAKHPUR	2	0	210	0.0	12.3	-12.3	
13	400 kV	BIHARSHARIF-VARANASI	2	0	309	0.0	3.6	-3.6	
14	220 kV	SAHUPURI-KARAMNANA	1	0	153	0.0	2.5	-2.5	
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	0.5	147.8	-147.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	581	889	0.0	3.7	-3.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1730	0	23.3	0.0	23.3	
3	765 kV	JHARSUGUDA-DURG	2	0	377	0.0	5.1	-5.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	492	0.0	8.0	-8.0	
5	400 kV	RANCHI-SIPAT	2	300	62	3.3	0.0	3.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	167	0.0	2.9	-2.9	
7	220 kV	BUDHIPADAR-KORBA	2	74	48	0.3	0.0	0.3	
						ER-WR	26.9	19.6	7.3
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	548	0.0	9.8	-9.8	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1634	0.0	29.7	-29.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	1743	0.0	26.0	-26.0	
4	400 kV	TALCHER-J/C	2	719	0	15.1	0.0	15.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	65.5	-65.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	30	201	0.2	1.7	-1.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	85	249	0.0	1.9	-1.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	86	0.0	0.9	-0.9	
						ER-NER	0.2	4.5	-4.4
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	0.0	15.3	-15.3	
						NER-NR	0.0	15.3	-15.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	5527	0.0	89.4	-89.4	
2	HVDC	VINDHYACHAL B/B	-	272	0	4.7	0.0	4.7	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	513	0.0	12.2	-12.2	
4	765 kV	GWALIOR-AGRA	2	0	1788	0.1	29.4	-29.3	
5	765 kV	GWALIOR-PHAGI	2	0	2253	0.0	40.9	-40.9	
6	765 kV	JABALPUR-ORAI	2	0	1368	0.0	35.1	-35.1	
7	765 kV	GWALIOR-ORAI	1	605	0	11.1	0.0	11.1	
8	765 kV	SATNA-ORAI	1	0	1136	0.0	24.0	-24.0	
9	765 kV	BANASKANTHA-CHITORGARH	2	1330	286	13.3	0.9	12.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3440	0.0	56.0	-56.0	
11	400 kV	ZERDA-KANKROLI	1	246	79	2.3	0.0	2.3	
12	400 kV	ZERDA-BHINMAL	1	345	219	1.5	0.0	1.5	
13	400 kV	VINDHYACHAL-RIHAND	1	958	0	22.1	0.0	22.1	
14	400 kV	RAPP-SHUJALPUR	2	0	771	0.0	10.9	-10.9	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.2	-2.2	
17	220 kV	MEHGAON-AURAIYA	1	57	0	0.5	0.0	0.5	
18	220 kV	MALANPUR-AURAIYA	1	52	12	1.4	0.0	1.4	
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	57.1	301.0	-243.9
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	984	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2874	0	64.7	0.0	64.7	
3	765 kV	SOLAPUR-RAICHUR	2	2038	518	20.3	0.8	19.5	
4	765 kV	WARDHA-NIZAMABAD	2	545	1936	1.7	18.7	-17.0	
5	400 kV	KOLHAPUR-KUDGI	2	1676	0	32.9	0.0	32.9	
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	100	1.9	0.0	1.9	
						WR-SR	145.5	19.5	126.0

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)	659	684	659	16.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*700MW))	1041	0	1032	24.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	207	0	202	4.9
	NER	132kV GELEPHU-SALAKATI	-8	0	-6	-0.1
	NER	132kV MOTANGA-RANGIA	47	18	33	0.8
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-72	0	-16	-0.4
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	450	257	320	7.7
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-920	-909	-910	-21.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-156	0	-154	-3.7