



**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: 10<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 09.09.2022.**

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 09<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: 10-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)	71909	51865	40540	25114	3165	192593
Peak Shortage (MW)	1797	0	0	409	0	2206
Energy Met (MU)	1711	1260	891	566	63	4491
Hydro Gen (MU)	363	102	177	154	33	829
Wind Gen (MU)	6	37	155	-	-	198
Solar Gen (MU)*	110.15	47.01	89.87	4.68	0.73	252
Energy Shortage (MU)	18.69	0.00	0.00	3.36	0.00	22.05
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	75829	54933	41261	25949	3286	195305
Time Of Maximum Demand Met (From NLDC SCADA)	12:24	10:57	07:31	23:01	18:24	12:16

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	0.034	0.00	0.51	7.77	8.27	86.62	5.10

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	13904	0	306.1	180.6	-1.0	75	0.00
	Haryana	12018	0	257.9	190.7	-0.4	103	0.00
	Rajasthan	15772	0	328.9	141.8	2.8	362	2.33
	Delhi	6614	0	139.0	126.7	-0.8	167	0.04
	UP	25921	840	534.1	250.5	0.8	726	14.98
	Uttarakhand	2253	0	49.0	24.9	0.7	163	1.02
	HP	1748	0	36.2	-0.8	-0.3	96	0.00
	J&K(UT) & Ladakh(UT)	2568	0	52.2	27.1	1.1	269	0.32
	Chandigarh	359	0	7.1	6.9	0.2	59	0.00
	Chhattisgarh	4883	0	117.7	64.6	0.5	545	0.00
WR	Gujarat	18524	0	395.7	252.6	-1.5	990	0.00
	MP	10732	0	246.4	127.1	0.0	577	0.00
	Maharashtra	19856	0	445.8	165.6	-2.9	563	0.00
	Goa	603	0	12.8	12.4	0.4	26	0.00
	DNHDDPDCL	1183	0	27.2	27.2	0.0	76	0.00
SR	AMNSIL	655	0	14.7	7.6	1.1	298	0.00
	Andhra Pradesh	8357	0	178.9	53.2	-1.2	636	0.00
	Telangana	10055	0	179.7	34.6	-0.4	495	0.00
	Karnataka	8201	0	162.4	37.8	-1.6	722	0.00
	Kerala	3114	0	64.7	18.7	-1.0	181	0.00
	Tamil Nadu	14355	0	295.9	96.7	-1.5	821	0.00
	Puducherry	404	0	9.0	8.6	-0.3	24	0.00
ER	Bihar	6465	30	132.6	122.4	-1.0	274	0.56
	DVC	3357	0	73.9	-27.1	1.0	360	0.00
	Jharkhand	1416	0	32.0	25.2	0.0	228	2.80
	Odisha	5728	0	125.6	38.4	-0.4	433	0.00
	West Bengal	9486	0	200.2	65.0	-0.5	400	0.00
NER	Sikkim	101	0	1.7	1.6	0.1	20	0.00
	Arunachal Pradesh	125	0	2.2	2.0	0.2	32	0.00
	Assam	2171	0	42.7	35.5	0.2	120	0.00
	Manipur	200	0	2.8	2.7	0.2	18	0.00
	Meghalaya	336	0	6.0	1.0	0.0	48	0.00
	Mizoram	101	0	1.6	0.8	-0.1	40	0.00
	Nagaland	155	0	2.9	2.4	0.0	10	0.00
	Tripura	272	0	4.9	4.8	-0.3	66	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	45.7	7.4	-25.0
Day Peak (MW)	2065.0	316.0	-1065.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	418.4	-146.5	-111.2	-152.7	-8.0	0.0
Actual(MU)	434.1	-143.9	-128.8	-158.5	-10.6	-7.6
O/D/U/D(MU)	15.7	2.7	-17.6	-5.7	-2.6	-7.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3092	11851	6768	1560	309	23579	39
State Sector	6415	18001	9582	2400	178	36575	61
Total	9506	29852	16350	3960	486	60154	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	804	1194	498	599	17	3113	66
Lignite	25	8	44	0	0	77	2
Hydro	363	102	177	154	33	819	17
Nuclear	32	40	42	0	0	114	2
Gas, Naptha & Diesel	20	4	3	0	29	60	1
RES (Wind, Solar, Biomass & Others)	135	85	288	5	1	513	11
Total	1368	1434	1057	758	80	4697	100

Share of RES in total generation (%)	9.84	5.94	27.22	0.62	0.91	10.92
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.94	15.85	47.97	20.92	42.48	30.79

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
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: 10-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	1501	0.0	17.1	-17.1	
2	HVDC	PUSAULI B/B	2	0	346	0.0	8.7	-8.7	
3	765 kV	GAYALYARANASI	2	0	788	0.0	11.5	-11.5	
4	765 kV	SASARAM-FATEHPUR	1	0	506	0.0	9.4	-9.4	
5	765 kV	GAYA-BALIA	1	0	775	0.0	13.7	-13.7	
6	400 kV	PUSAULI-VARANASI	1	0	180	0.0	3.9	-3.9	
7	400 kV	PUSAULI-ALLAHABAD	1	0	226	0.0	4.7	-4.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1196	0.0	24.4	-24.4	
9	400 kV	PATNA-BALIA	2	0	755	0.0	16.1	-16.1	
10	400 kV	NAUBATPUR-BALIA	2	0	811	0.0	17.3	-17.3	
11	400 kV	BIHARSHARIFF-BALIA	2	0	731	0.0	11.5	-11.5	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	601	0.0	12.9	-12.9	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	365	0.0	3.9	-3.9	
14	220 kV	SINHPUR-KARAMUNSA	1	0	153	0.0	2.9	-2.9	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	157.9	-157.5
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	498	1127	0.0	5.0	-5.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1733	0	22.8	0.0	22.8	
3	765 kV	JHARSUGUDA-DURG	2	0	316	0.0	4.2	-4.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	554	0.0	8.5	-8.5	
5	400 kV	RANCHI-SIPAT	2	309	54	3.2	0.0	3.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	177	0.0	3.1	-3.1	
7	220 kV	BUDHIPADAR-KORBA	2	53	75	0.0	0.3	-0.3	
						ER-WR	26.0	21.0	5.0
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	486	537	2.1	0.0	2.1	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1189	0.0	28.9	-28.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2338	0.0	28.3	-28.3	
4	400 kV	TALCHER-I/C	2	711	0	14.9	0.0	14.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	2.1	57.2	-55.1
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	128	337	0.3	1.5	-1.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	211	370	0.0	0.7	-0.7	
3	220 kV	ALIPURDUAR-SALAKATI	2	9	102	0.0	0.8	-0.8	
						ER-NER	0.3	2.9	-2.6
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1001	0.0	13.8	-13.8	
						NER-NR	0.0	13.8	-13.8
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	5533	0.0	88.6	-88.6	
2	HVDC	VINDHYACHAL B/B	2	273	0	5.8	0.0	5.8	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1519	0.0	17.1	-17.1	
4	765 kV	GWALIOR-AGRA	2	0	1721	0.0	32.0	-32.0	
5	765 kV	GWALIOR-PHAGI	2	0	2250	0.0	43.4	-43.4	
6	765 kV	JABALPUR-ORAI	2	0	1325	0.0	50.5	-50.5	
7	765 kV	GWALIOR-ORAI	1	591	0	10.8	0.0	10.8	
8	765 kV	SATNA-ORAI	1	0	1133	0.0	25.1	-25.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	1050	105	11.7	0.0	11.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3533	0.0	60.3	-60.3	
11	400 kV	ZERDA-KANKROLI	1	191	18	2.1	0.0	2.1	
12	400 kV	ZERDA-JBHINMAL	1	303	141	1.2	0.0	1.2	
13	400 kV	VINDHYACHAL-RIHAND	1	959	0	21.8	0.0	21.8	
14	400 kV	RAPP-SHILAIIPUR	2	0	756	0.0	11.8	-11.8	
15	220 kV	BHANUPUR-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANUPUR-MORAK	1	0	30	0.0	2.0	-2.0	
17	220 kV	MEHGAON-AURAIYA	1	57	0	0.3	0.0	0.3	
18	220 kV	MALANPUR-AURAIYA	1	46	19	1.1	0.0	1.1	
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	54.8	330.9	-276.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2877	0	65.6	0.0	65.6	
3	765 kV	SOLAPUR-RAICHUR	2	2089	744	22.4	0.0	22.4	
4	765 kV	WARDHA-NIZAMABAD	2	756	1930	0.0	10.7	-10.7	
5	400 kV	KOLHAPUR-KUDCI	2	1775	0	34.0	0.0	34.0	
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	102	1.9	0.0	1.9	
						WR-SR	147.9	10.7	137.3
<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)	729	0	698	16.7			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1080	0	1035	24.8			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	230	0	205	4.9			
	NER	132KV GELEPHU-SALAKATI	23	0	2	0.0			
	NER	132KV MOTANGA-RANGIA	46	0	31	0.7			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-0.9			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	384	249	345	8.3			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-921	-918	-919	-22.1			
	NER	132KV COMILLA-SURAJMANI 1&2	-144	0	-123	-3.0			