



**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: 08<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 07.09.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07<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: 08-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)	71681	54481	40963	26234	3215	196574
Peak Shortage (MW)	1677	0	0	615	0	2292
Energy Met (MU)	1684	1310	948	566	62	4570
Hydro Gen (MU)	351	111	169	146	34	811
Wind Gen (MU)	3	23	125	-	-	152
Solar Gen (MU)*	118.31	47.72	92.34	4.93	0.79	264
Energy Shortage (MU)	16.67	0.25	0.00	3.02	0.01	19.95
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	74185	57492	44585	26562	3216	199472
Time Of Maximum Demand Met (From NLDC SCADA)	14:33	19:04	09:36	21:53	19:47	11:53

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	0.040	0.14	1.27	8.34	9.76	84.03	6.21

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	13668	0	308.7	177.9	-1.6	56	0.00
	Haryana	11946	0	256.8	177.2	0.4	197	0.00
	Rajasthan	15016	0	312.6	128.3	1.9	348	2.58
	Delhi	6482	0	134.1	122.2	-1.1	216	0.00
	UP	25276	634	532.6	246.7	-0.3	425	11.11
	Uttarakhand	2213	75	48.5	23.8	1.3	334	1.74
	HP	1705	0	34.6	-2.1	0.9	203	0.19
	J&K(UT) & Ladakh(UT)	2431	250	49.3	23.5	1.7	224	1.05
WR	Chandigarh	350	0	6.9	6.8	0.1	28	0.00
	Chhattisgarh	4753	0	113.8	61.0	0.0	141	0.00
	Gujarat	19836	0	422.2	247.3	4.1	936	0.00
	MP	10561	0	238.1	122.1	0.0	486	0.00
	Maharashtra	21589	0	480.5	180.1	-3.9	855	0.25
	Goa	579	0	12.4	12.5	-0.2	37	0.00
	DNHDDPDCL	1215	0	28.4	28.3	0.1	71	0.00
	AMNSIL	695	0	14.9	8.4	0.6	292	0.00
SR	Andhra Pradesh	9117	0	196.7	67.3	-0.1	706	0.00
	Telangana	12092	0	214.9	60.9	-0.6	540	0.00
	Karnataka	8141	0	161.5	41.9	-2.5	541	0.00
	Kerala	3230	0	67.9	23.5	-1.2	232	0.00
	Tamil Nadu	13940	0	298.6	110.1	-3.9	552	0.00
	Puducherry	370	0	8.8	8.3	-0.2	31	0.00
ER	Bihar	6613	0	131.2	121.7	-0.6	339	1.00
	DVC	3432	0	74.7	-28.3	1.5	322	0.00
	Jharkhand	1556	120	34.9	24.0	-0.6	187	2.02
	Odisha	5992	0	128.7	42.9	-1.8	313	0.00
	West Bengal	9584	0	194.8	75.6	0.3	313	0.00
	Sikkim	104	0	1.6	1.6	0.0	16	0.00
NER	Arunachal Pradesh	121	0	2.2	2.1	-0.1	29	0.00
	Assam	2165	0	41.2	34.9	-0.3	140	0.00
	Manipur	198	0	2.7	2.7	0.0	28	0.01
	Meghalaya	327	0	5.7	1.1	0.1	41	0.00
	Mizoram	105	0	1.7	0.8	-0.1	6	0.00
	Nagaland	156	0	2.7	2.3	-0.1	24	0.00
	Tripura	275	0	5.5	5.7	0.2	76	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	44.9	7.8	-25.5
Day Peak (MW)	2027.0	328.0	-1077.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	368.6	-148.3	-59.0	-152.1	-9.2	0.0
Actual(MU)	378.4	-132.9	-87.0	-152.6	-11.4	-5.5
O/D/U/D(MU)	9.9	15.4	-28.1	-0.5	-2.3	-5.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3742	10735	6518	1560	309	22863	41
State Sector	6055	17046	7442	2250	191	32983	59
Total	9797	27781	13960	3810	499	55846	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	829	1235	550	609	17	3240	68
Lignite	25	10	39	0	0	74	2
Hydro	353	111	169	146	34	813	17
Nuclear	33	41	42	0	0	115	2
Gas, Naptha & Diesel	20	5	7	0	28	60	1
RES (Wind, Solar, Biomass & Others)	140	72	269	5	1	487	10
Total	1400	1473	1077	760	80	4789	100

Share of RES in total generation (%)	10.03	4.87	25.02	0.65	0.99	10.17
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.60	15.15	44.60	19.88	43.70	29.56

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.082

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: 08-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	701	0.0	17.1	-17.1	
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.4	-8.4	
3	765 kV	GAYA-VARANASI	2	0	704	0.0	10.0	-10.0	
4	765 kV	SASARAM-FATEHPUR	1	0	475	0.0	8.6	-8.6	
5	765 kV	GAYA-BALIA	1	0	729	0.0	12.9	-12.9	
6	400 kV	PUSAULI-VARANASI	1	0	182	0.0	3.7	-3.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	238	0.0	4.4	-4.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1210	0.0	22.2	-22.2	
9	400 kV	PATNA-BALIA	2	0	715	0.0	14.9	-14.9	
10	400 kV	NAUBATPUR-BALIA	2	0	767	0.0	15.7	-15.7	
11	400 kV	BHARSHARIF-BALIA	2	0	614	0.0	9.6	-9.6	
12	400 kV	MOTHARI-GORAKHPUR	2	0	210	0.0	11.8	-11.8	
13	400 kV	BHARSHARIF-VARANASI	2	0	305	0.0	5.0	-5.0	
14	220 kV	SAHUPURI-KARAMNANA	1	0	148	0.0	2.6	-2.6	
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	146.9	-146.4
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	762	615	4.2	0.0	4.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1859	0	25.5	0.0	25.5	
3	765 kV	JHARSUGUDA-DURG	2	0	304	0.0	4.4	-4.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	537	0.0	8.3	-8.3	
5	400 kV	RANCHI-SIPAT	2	343	90	3.0	0.0	3.0	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	170	0.0	2.9	-2.9	
7	220 kV	BUDHIPADAR-KORBA	2	58	50	0.3	0.0	0.3	
						ER-WR	32.9	15.6	17.3
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	294	538	0.0	5.4	-5.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1636	0.0	32.4	-32.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2568	0.0	34.0	-34.0	
4	400 kV	TALCHER-JC	2	715	0	12.4	0.0	12.4	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	71.8	-71.8
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	68	242	0.0	1.8	-1.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	154	309	0.0	1.4	-1.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	2	92	0.0	0.9	-0.9	
						ER-NER	0.0	4.0	-4.0
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	16.5	-16.5	
						NER-NR	0.0	16.5	-16.5
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4007	0.0	72.0	-72.0	
2	HVDC	VINDHYACHAL B/B	-	272	0	7.3	0.0	7.3	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1016	0.0	22.7	-22.7	
4	765 kV	GWALIOR-AGRA	2	0	1756	0.1	27.8	-27.7	
5	765 kV	GWALIOR-PHAGI	2	0	2197	0.0	39.4	-39.4	
6	765 kV	JABALPUR-ORAI	2	0	1331	0.0	42.2	-42.2	
7	765 kV	GWALIOR-ORAI	1	632	0	11.0	0.0	11.0	
8	765 kV	SATNA-ORAI	1	0	1147	0.0	23.2	-23.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	1555	194	19.7	0.3	19.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3439	0.0	56.7	-56.7	
11	400 kV	ZERDA-KANKROLI	1	298	57	3.5	0.0	3.5	
12	400 kV	ZERDA-BHINMAL	1	467	190	2.9	0.0	2.9	
13	400 kV	VINDHYACHAL-RIHAND	1	959	0	22.0	0.0	22.0	
14	400 kV	RAPP-SHUJALPUR	2	0	740	0.0	9.3	-9.3	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3	
17	220 kV	MEHGAON-AURAIYA	1	99	0	0.5	0.0	0.5	
18	220 kV	MALANPUR-AURAIYA	1	57	14	1.4	0.0	1.4	
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	68.3	296.1	-227.7
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	980	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2894	0	63.3	0.0	63.3	
3	765 kV	SOLAPUR-RAICHUR	2	1604	982	16.3	1.5	14.8	
4	765 kV	WARDHA-NIZAMABAD	2	403	2493	0.4	24.7	-24.3	
5	400 kV	KOLHAPUR-KUDGI	2	1687	0	32.3	0.0	32.3	
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	101	1.9	0.0	1.9	
						WR-SR	138.3	26.2	112.0

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)	698	0	670	16.1
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*70MW))	1068	0	1023	24.5
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	243	201	212	5.1
	NER	132kV GELEPHU-SALAKATI	13	-6	0	0.0
	NER	132kV MOTANGA-RANGIA	44	18	34	0.8
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-53	0	-12	-0.3
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	381	199	338	8.1
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-920	-911	-914	-21.9
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-157	0	-149	-3.6