

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र GRID CONTROLLER OF INDIA LIMITED ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

दिनांक: 24.09.2025

Ref: GRID-INDIA/NLDC/SO/Daily PSP Report

To,

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., डोंगतिएह, 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 23.09.2025.

महोदय/Sir,

आई॰ई॰जी॰सी॰-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 23-सितंबर-2025 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है |

As per article 38(1) of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 23.09.2025, is available at the NLDC website.

धन्यवाद, Thanks

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Date of Reporting: 24-Sep-2025

Report for previous day

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL	
Demand Met during Evening Peak hrs(MW) (at	78143	63788	48185	27963	3636	221715	
20:00 hrs; from RLDCs)		_		_	_	_	
Peak Shortage (MW)	0	0	0	0	0	0	
Energy Met (MU)	1756	1488	1117	607	70	5038	
Hydro Gen (MU)	375	118	162	106	38	798	
Wind Gen (MU)	25	99	221	-	-	345	
Solar Gen (MU)*	211.89	136.38	113.80	1.90	1.04	465	
Energy Shortage (MU)	0.00	0.00	0.00	0.00	0.00	0.00	
Maximum Demand Met During the Day (MW)	78946	68581	51637	28441	3705	226825	
(From NLDC SCADA)	78940	00501	51037	20441	3/05	226825	
Time Of Maximum Demand Met	22:24	18:56	09:40	21:36	18:40	19:09	

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	0.025	0.00	0.00	2.13	2.13	79.23	18.64

C. Power Supply Position in States

	osition in States	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day (MW)	maximum Demand (MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortage (MU
	Punjab	13656	0	290.9	176.1	0.0	764	0.00
	Haryana	11793	0	253.3	197.3	-1.4	459	0.00
	Rajasthan	15386	0	342.7	122.0	-3.1	242	0.00
	Delhi	6357	0	135.0	126.7	-0.7	320	0.00
NR	UP	29359	0	578.8	236.3	-0.8	239	0.00
	Uttarakhand	2524	0	51.3	23.7	0.8	194	0.00
	HP	1822	0	37.4	2.5	0.3	183	0.00
	J&K(UT) & Ladakh(UT)	2730	0	55.2	34.5	0.8	244	0.00
	Chandigarh	323	0	6.6	6.5	0.1	24	0.00
	Railways_NR ISTS	220	0	4.6	3.9	0.7	50	0.00
	Chhattisgarh	5691	0	129.4	70.5	0.4	318	0.00
	Gujarat	22220	0	480.5	213.8	-5.2	639	0.00
	MP	13116	0	281.8	137.7	-0.8	343	0.00
WR	Maharashtra	25002	0	514.0	179.1	-5.4	714	0.00
	Goa	712	0	14.8	12.3	2.0	52	0.00
	DNHDDPDCL	1367	0	31.9	31.9	0.0	66	0.00
	AMNSIL	818	0	16.9	9.4	0.4	271	0.00
	BALCO	552	0	13.0	12.6	0.4	41	0.00
	RIL JAMNAGAR	251	0	5.5	5.6	-0.1	0	0.00
	Andhra Pradesh	9543	0	209.5	34.7	-1.6	724	0.00
	Telangana	11177	0	219.5	56.6	0.0	619	0.00
SR	Karnataka	12532	0	235.8	45.2	-1.5	433	0.00
	Kerala	4395	0	86.9	57.8	0.5	375	0.00
	Tamil Nadu	17300	0	354.8	129.0	-1.3	1132	0.00
	Puducherry	469	0	10.1	9.6	-0.1	53	0.00
	Bihar	8038	0	166.1	154.7	-1.5	460	0.00
	DVC	3138	0	65.3	-30.2	-0.4	397	0.00
	Jharkhand	2099	0	44.0	32.0	-1.2	104	0.00
ER	Odisha	5755	0	116.6	45.5	-2.9	383	0.00
	West Bengal	10023	0	213.9	80.1	-1.4	384	0.00
	Sikkim	78	0	1.4	1.3	0.1	22	0.00
	Railways ER ISTS	14	0	0.2	0.1	0.1	6	0.00
	Arunachal Pradesh	194	0	4.0	3.5	-0.1	28	0.00
	Assam	2445	0	45.6	38.0	0.3	138	0.00
	Manipur	231	0	3.5	3.2	0.3	56	0.00
NER	Meghalaya	324	0	5.6	1.1	-0.2	38	0.00
	Mizoram	119	0	2.1	0.8	-0.3	41	0.00
	Nagaland	179	0	3.0	2.5	0.0	21	0.00
	Tripura	345	0	6.5	6.7	0.5	46	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	53.4	21.4	-23.8	-30.5
Day Peak (MW)	2279.9	1058.0	-1002.6	-1460.0

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

		,, ()				
	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	377.1	-257.7	-56.9	-64.9	2.5	0.0
Actual(MU)	380.2	-240.2	-62.0	-84.1	2.7	-3.5
O/D/U/D(MU)	3.1	17.5	-5.2	-19.1	0.2	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5812	11331	6728	4475	184	28529	57
State Sector	4189	10344	4563	1749	300	21145	43
Total	10001	21675	11291	6224	484	49674	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	789	1358	630	646	11	3434	64
Lignite	23	17	54	0	0	94	2
Hydro	375	118	162	106	38	798	15
Nuclear	32	62	41	0	0	136	3
Gas, Naptha & Diesel	11	53	9	0	22	95	2
RES (Wind, Solar, Biomass & Others)	243	237	361	4	1	846	16
Total	1473	1845	1257	756	72	5403	100
Share of RES in total generation (%)	16.50	12.85	28.71	0.53	1.48	15.66	1
Share of Non-fossil fuel (Hydro,Nuclear and RES) in	44 11	22.64	44.83	14 52	54.26	32 94	

total generation(%)

H. All India Demand Diversity Factor				
Based on Regional Max Demands	1.019			
Based on State Max Demands	1.068			

I. All India Peak Demand and shortage at Solar and Non-Solar Hour

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	217972	17:59	0
Non-Solar hr	226825	19:09	0

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

**Note: All generation MU figures are gross

***Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)
Solar Hours -> 06:00 to 18:0018 with sand rest are Non-Solar Hours

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 24-Sep-2025

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
1	rt/Export of ER (\) HVDC	With NR) ALIPURDUAR-AGRA	2	0	401	0.0	9.8	-9.8
3	HVDC 765 kV	PUSAULI B/B GAYA-VARANASI	2	0 506	47 911	0.0 0.0	2.6	-2.6 -6.0
4	765 kV	SASARAM-FATEHPUR	1	237	400	0.0	2.0	-2.0
6	765 kV 400 kV	GAYA-BALIA PUSAULI-VARANASI	1 1	0	1029 110	0.0	15.0 1.7	-15.0 -1.7
7 8	400 kV 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1 2	10 0	63 898	0.0 0.0	0.8 14.2	-0.8 -14.2
9	400 kV	PATNA-BALIA	2	0	985	0.0	13.3	-13.3
10 11	400 kV 400 kV	NAUBATPUR-BALIA BIHARSHARIFF-BALIA	2 2	233	395 338	0.0	3.7 1.6	-3.7 -1.6
12	400 kV	MOTIHARI-GORAKHPUR	2 2	0	557	0.0	8.0 3.9	-8.0
13	400 kV 220 kV	BIHARSARIFF-SAHUPURI SAHUPURI-KARAMNASA	1	144 0	380 58	0.0	2.0	-3.9 -2.0
15 16	132 kV 132 kV	NAGAR UNTARI-RIHAND GARWAH-RIHAND	1 1	0	0	0.0	0.0	0.0
17	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1 1	0	0	0.0	0.0 0.0	0.0
18	132 KV	KARMANASA-CHANDAULI	1	0	ER-NR	0.6	84.6	-84.0
	rt/Export of ER (With WR)						•
2	765 kV 765 kV	JHARSUGUDA-DHARAMJAIGARH NEW RANCHI-DHARAMJAIGARH	4 2	517 1506	1115 118	0.0 24.4	5.0 0.0	-5.0 24.4
3	765 kV 400 kV	JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	2	162 309	402 259	0.0	3.6 0.0	-3.6 0.6
5	400 kV	RANCHI-SIPAT	2	395	68	5.1	0.0	5.1
7	400 kV 220 kV	JEYPORE-JAGDALPUR BUDHIPADAR-RAIGARH	2 1	51 24	619 108	0.0 0.0	7.8 1.3	-7.8 -1.3
8	220 kV	BUDHIPADAR-KORBA	2	116	96 ER-WR	0.0 30.1	0.2 17.8	-0.2 12.3
Impo	rt/Export of ER (With SR)			ER-WK	30.1	17.0	12.3
1	HVDC HVDC	JEYPORE-GAZUWAKA B/B	2 2	713	0	14.6 0.0	0.0 24.3	14.6
3	765 kV	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2	0	1367 2147	0.0	25.7	-24.3 -25.7
5	400 kV 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	2	862	526 0	4.4 0.0	0.0	4.4 0.0
					ER-SR	14.6	49.9	-35.4
Impo	rt/Export of ER (\) 400 kV	With NER) BINAGURI-BONGAIGAON	,	93	309	2.9	0.3	2.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	695	0.0	8.1	-8.1
3	220 kV	ALIPURDUAR-SALAKATI	2	0	123 ER-NER	2.9	1.4 9.7	-1.4 -6.9
Impo	rt/Export of NER							
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504 NER-NR	0.0	12.1 12.1	-12.1 -12.1
Impo	rt/Export of WR	(With NR)				0.0		-12.1
2	HVDC HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	0 46	4561 404	0.0 0.2	87.0 5.3	-87.0 -5.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1457	0.0	24.5	-24.5
5	765 kV 765 kV	GWALIOR-AGRA GWALIOR-PHAGI	2 2	0 649	2779 1930	0.0 2.8	39.4 24.6	-39.4 -21.8
6 7	765 kV 765 kV	JABALPUR-ORAI GWALIOR-ORAI	2 1	0 737	1461 0	0.0	40.8 0.0	-40.8
8	765 kV	SATNA-ORAI	1	0	1175	11.6 0.0	19.2	11.6 -19.2
9	765 kV 765 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI	2 2	1514 0	802 3584	9.5	1.5 61.4	8.0 -61.4
11	400 kV 400 kV	ZERDA-KANKROLI	1	345	32	2.7	0.0	2.7
12	400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1 1	238	22 1	1.9 0.0	0.0	1.9 0.0
14 15	400 kV 400 kV	RAPP-SHUJALPUR NEEMUCH-Chittorgarh	2 2	333 123	657 813	1.5 0.2	6.0 8.6	-4.4 -8.4
16	220 kV	BHANPURA-RANPUR	1	0	178	0.0	3.5	-3.5
17 18	220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1 1	0 70	30 26	0.0	2.7 0.1	-2.7 0.4
19 20	220 kV 132 kV	MALANPUR-AURAIYA RAJGHAT-LALITPUR	1 2	42 0	44 0	0.2	0.3 0.0	-0.2 0.0
20	132 RV	KAJOHAT-LALIH CK	<u> </u>	0	WR-NR	31.0	324.9	-293.9
Impo	rt/Export of WR (With SR) BHADRAWATI B/B		904	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	0	605	0.0	14.6	-14.6
4	765 kV 765 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2	2550 1185	0 1562	29.2 1.9	0.0 10.1	29.2 -8.2
5	765 kV	WARORA-WARANGAL(NEW)	2	697	995	1.5	5.8	-4.3
7	400 kV 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2	2189 0	0	38.3 0.0	0.0 0.0	38.3 0.0
8	220 kV 220 kV	PONDA-AMBEWADI XELDEM-AMBEWADI	1 1	0	0 122	0.0 2.1	0.0	0.0 2.1
	220 81	11000	•		WR-SR	97.0	30.5	66.5
		IN	TERNATIONAL EXC	CHANGES			Import	(+ve)/Export(-ve)
	State	Region		Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
		ER	400kV MANGDECHHU-A ALIPURDUAR RECEIPT HEP 4*180MW)	(from MANGDECHU	1254	1210	1229	29.50
		ER	400kV TALA-BİNAGURI MALBASE - BINAGURI RECEIPT (from TALA HI 220kV CHUKHA-BIRPAR) i.e. BINAGURI EP 6*170MW)	880	799	839	20.13
	BHUTAN	ER	MALBASE - BIRPARA) i. (from CHUKHA HEP 4*84	e. BIRPARA RECEIPT	134	46	98	2.36
		NER	132kV GELEPHU-SALAF	KATI	19	0	11	0.27
		NER	132kV MOTANGA-RANG	GIA	61	0	48	1.15
		NR	NEPAL IMPORT (FROM	UP)	-51	0	-1	-0.02
	NEPAL	NR	132kV MAHENDRANAG.	132kV MAHENDRANAGAR-TANAKPUR(NHPC)		0	13	0.32
		ER	NEPAL IMPORT (FROM	BIHAR)	184	124	163	3.90
		ER	400kV DHALKEBAR-MU		844	638	717	17.21
		ER ER	BHERAMARA B/B HVDO		-950	-948	-949	-22.78
I	BANGLADESH	(Isolated from Indian Grid)	400kV GODDA_TPS-RAE		-1460	-912	-1270	-30.47
		NER	132kV COMILLA-SURAJ	MANI NAGAR 1&2	-52	0	-43	-1.04

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 24-Sep-2025

Export From India (in MU)

			T-GNA							
	GNA			COLLECTIVE						
Country	(ISGS/PPA)	BILATERAL	IDAM			RTM			TOTAL	
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nepal	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	
Bangladesh	23.33	0.21	0.00	0.00	0.00	0.00	0.00	0.00	23.54	
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total Export	23.54	0.21	0.00	0.00	0.00	0.00	0.00	0.00	23.75	

Import by India(in MU)

			T-GNA								
	GNA		COLLECTIVE								
Country	(ISGA/PPA)	BILATERAL	IDAM			RTM			TOTAL		
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX			
Bhutan	35.39	0.00	1.57	0.00	0.00	0.14	0.00	0.00	37.10		
Nepal	9.09	4.84	0.00	0.00	0.00	7.66	0.00	0.00	21.59		
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Total Import	44.48	4.84	1.57	0.00	0.00	7.80	0.00	0.00	58.69		

Net from India(in MU) -ve: Export / +ve: Import

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		T-GNA								
	GNA		COLLECTIVE							
Country	(ISGS/PPA)	BILATERAL		IDAM			TOTAL			
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	35.39	0.00	1.57	0.00	0.00	0.14	0.00	0.00	37.10	
Nepal	8.88	4.84	0.00	0.00	0.00	7.66	0.00	0.00	21.38	
Bangladesh	-23.33	-0.21	0.00	0.00	0.00	0.00	0.00	0.00	-23.54	
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total Net	20.94	4.63	1.57	0.00	0.00	7.80	0.00	0.00	34.94	

TIME	FREQUENCY (Hz)	DEMAND MET (MW)	15 Min (INSTAI NUCLEAR (MW)	WIND (MW)	SOLAR (MW)	HYDRO** (MW)	GAS (MW)	THERMAL (MW)	OTHERS*	NET DEMAND MET	TOTAL GENERATIO N	NET TRANSNATIONAL EXCHANGE (MW)
										(MW)	(MW)	(+ve) Import, (-ve) Export
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(C+D))	+F+G+H)	(K)
0:00	50.04	206994	5265	14771	0	31909	3591	149793	1978	192223	207307	1985
0:15	50.04	205832	5275	14810	0	32146	3475	149541	1900	191022	207147	1999
0:30 0:45	50.04 50.04	204177 202805	5264 5283	14622 14654	0	32339 32258	3439 3318	148183 146897	1926 1885	189555 188151	205773 204295	1996 2034
1:00	49.99	201263	5294	14425	0	32247	3299	145303	1898	186838	202466	2047
1:15	50.04	199631	5278	14335	0	32421	3251	143734	1930	185296	200949	2038
1:30	49.99	197652	5290	14351	0	32150	3182	141939	1927	183301	198839	2050
1:45	49.99	196643	5294	14390	0	31666	3182	141328	1908	182253	197768	2059
2:00	50.04	195751	5285 5292	14319	0	31297	3187	140908 139939	1876 1908	181432	196872 195297	2060
2:15	50.04 50.04	194351 193133	5292	14072 14022	0	30941 30537	3145 3149	139939	1896	180279 179111	195297	2057 2068
2:45	50.04	192800	5306	14026	0	30370	3168	139002	1860	178774	193732	2060
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*Others include (i) Biomass from Punjab (ii) Some of the state sec

** Hydro generation is excluding Bhutan hydro.

***Bhutan hydro is accounted for in net transnational exchange.

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1. The information provided is for general informational purposes only.

2. The data is provided "as is" without any guarantees or warranties.

3. All Data is operational SCADA data telemetered and reporting at NLOC through RLDC/SLDC.

4. Data is subject to errors due to telemetry loss/firezer/garbage value et al.

5. Demand met and RE generation data is incident on transmission system. Resources in distribution system plus behind the meter (BTM) generation excluded.

6. Users are advised to ensure its accuracy, completeness and relevance for their purposes, and, in this respect, GRID-NOIA shall not be responsible for any errors or omissions.