



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, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

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

दिनांक: 25.09.2025

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ए, शाहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापालंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 24.09.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 24-सितंबर-2025 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध 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 24.09.2025, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 25-Sep-2025

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)	79423	63456	48518	29247	3425	224069
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1769	1470	1118	630	70	5057
Hydro Gen (MU)	364	118	167	107	37	792
Wind Gen (MU)	32	97	216	-	-	344
Solar Gen (MU)*	215.82	135.54	113.71	2.03	1.07	468
Energy Shortage (MU)	0.00	0.00	0.00	0.00	0.00	0.00
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	79383	68096	51315	29964	3439	229159
Time Of Maximum Demand Met	22:21	18:56	09:35	19:35	19:24	19:13

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	0.033	0.00	0.05	4.36	4.41	78.07	17.52

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	13854	0	296.1	180.3	-0.3	789	0.00
	Haryana	11886	0	254.6	197.6	-0.8	566	0.00
	Rajasthan	15425	0	343.4	118.4	-4.7	243	0.00
	Delhi	6343	0	133.9	125.1	-0.1	440	0.00
	UP	29214	0	583.9	230.6	-0.9	678	0.00
	Uttarakhand	2557	0	51.5	23.9	0.3	137	0.00
	HP	1831	0	38.4	2.9	-0.3	103	0.00
	J&K(UT) & Ladakh(UT)	2865	0	56.4	37.6	1.2	385	0.00
	Chandigarh	321	0	6.6	6.4	0.2	31	0.00
	Railways_NR ISTS	209	0	4.5	3.8	0.6	42	0.00
WR	Chhattisgarh	5267	0	115.0	63.7	-1.9	250	0.00
	Gujarat	21663	0	474.4	216.1	-4.6	721	0.00
	MP	12938	0	281.6	131.4	-0.8	422	0.00
	Maharashtra	25689	0	518.2	181.1	-4.0	738	0.00
	Goa	703	0	14.8	12.4	1.9	59	0.00
	DNHDDPDCL	1376	0	31.8	31.9	-0.1	48	0.00
	AMNSIL	798	0	16.4	8.8	0.6	316	0.00
	BALCO	567	0	12.9	12.7	0.2	11	0.00
	RIL JAMNAGAR	223	0	4.8	4.9	-0.1	0	0.00
	Andhra Pradesh	9435	0	206.8	28.3	-1.5	479	0.00
SR	Telangana	10770	0	215.4	51.8	0.0	474	0.00
	Karnataka	12404	0	235.6	39.5	-2.3	443	0.00
	Kerala	4480	0	85.2	55.7	-1.5	365	0.00
	Tamil Nadu	17515	0	364.8	147.5	-0.6	2251	0.00
	Puducherry	466	0	10.3	9.8	-0.2	38	0.00
	Bihar	8083	0	167.7	151.2	-2.4	208	0.00
ER	DVC	3138	0	66.7	-35.9	-1.3	414	0.00
	Jharkhand	2272	0	45.1	31.7	0.4	298	0.00
	Odisha	6948	0	122.9	50.4	-1.9	474	0.00
	West Bengal	10684	0	226.6	92.9	-1.0	462	0.00
	Sikkim	70	0	1.2	1.3	-0.1	16	0.00
	Railways_ER ISTS	20	0	0.1	0.1	0.0	10	0.00
NER	Arunachal Pradesh	210	0	3.5	3.4	-0.3	11	0.00
	Assam	2282	0	46.4	39.8	-0.6	47	0.00
	Manipur	226	0	3.2	3.1	0.0	15	0.00
	Meghalaya	322	0	5.6	0.8	-0.1	21	0.00
	Mizoram	121	0	1.8	0.6	-0.3	15	0.00
	Nagaland	167	0	2.9	2.5	0.0	5	0.00
	Tripura	333	0	6.4	6.8	0.5	37	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	54.2	17.8	-23.9	-28.6
Day Peak (MW)	7059.9	2109.8	-1014.6	-1460.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	388.3	-273.8	-54.8	-64.0	4.3	0.0
Actual(MU)	380.3	-250.6	-60.6	-83.7	4.9	-9.8
O/D/U/D(MU)	-8.0	23.2	-5.8	-19.8	0.7	-9.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6382	11931	6778	4495	184	29769	55
State Sector	5234	11107	5113	2649	324	24427	45
Total	11616	23037	11891	7144	508	54196	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	808	1353	629	667	11	3469	64
Lignite	21	18	58	0	0	97	2
Hydro	364	118	167	107	37	792	15
Nuclear	30	63	41	0	0	134	2
Gas, Naptha & Diesel	11	55	8	0	22	95	2
RES (Wind, Solar, Biomass & Others)	254	234	355	4	1	848	16
Total	1488	1840	1258	778	71	5435	100

Share of RES in total generation (%)	17.09	12.70	28.21	0.53	1.54	15.60
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.56	22.51	44.75	14.23	53.62	32.64

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.013
Based on State Max Demands	1.063

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 18:00hrs and rest are Non-Solar Hours

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

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	219193	15:46	0
Non-Solar hr	229159	19:13	0

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 25-Sep-2025

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	287	403	0.0	9.8	-9.8
2	HVDC	PUSAULI B/B	-	0	47	0.0	2.5	-2.5
3	765 kV	GAYA-VARANASI	2	644	992	0.0	5.6	-5.6
4	765 kV	SASARAM-FATEHPUR	1	292	430	0.0	1.0	-1.0
5	765 kV	GAYA-BALIA	1	349	991	0.0	14.2	-14.2
6	400 kV	PUSAULI-VARANASI	1	618	107	0.0	1.7	-1.7
7	400 kV	PUSAULI-ALLAHABAD	1	9	95	0.0	0.7	-0.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	1028	1055	0.0	13.2	-13.2
9	400 kV	PATNA-BALIA	2	432	1009	0.0	13.2	-13.2
10	400 kV	NAUBATPUR-BALIA	2	131	486	0.0	4.0	-4.0
11	400 kV	BIHARSHARIFF-BALIA	2	261	324	0.0	0.0	0.0
12	400 kV	MOTIHARI-GORAKHPUR	2	523	781	0.0	8.8	-8.8
13	400 kV	BIHARSARIFF-SAHUPURI	2	767	384	0.0	2.6	-2.6
14	220 kV	SAHUPURI-KARMANASA	1	678	52	0.0	2.3	-2.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	0	0	0.6	0.0	0.6
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
ER-NR						0.6	79.5	-79.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	2746	955	0.0	4.0	-4.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2309	118	29.5	0.0	29.5
3	765 kV	JHARSUGUDA-DURG	2	275	467	0.0	5.0	-5.0
4	400 kV	JHARSUGUDA-RAIGARH	4	504	233	3.4	0.0	3.4
5	400 kV	RANCHI-SIPAT	2	1587	76	6.7	0.0	6.7
6	400 kV	JEYPORE-JACDALPUR	2	1285	700	0.0	6.6	-6.6
7	220 kV	BUDHIPADAR-RAIGARH	1	31	102	0.0	0.9	-0.9
8	220 kV	BUDHIPADAR-KORBA	2	144	113	0.6	0.0	0.6
ER-WR						40.3	16.6	23.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	2081	0	13.5	0.0	13.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1380	0.0	31.5	-31.5
3	765 kV	ANGUL-SRIKAKULAM	2	122	2099	0.0	23.0	-23.0
4	400 kV	TALCHER-UC	2	272	725	0.0	3.5	-3.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						13.5	54.5	-41.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	1324	333	0.1	3.3	-3.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	383	748	0.0	11.0	-11.0
3	220 kV	ALIPURDUAR-SALAKATI	2	1317	125	0.0	2.0	-2.0
ER-NER						0.1	16.3	-16.2
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.1	-12.1
NER-NR						0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4061	0.0	79.7	-79.7
2	HVDC	VINDHYACHAL B/B	-	0	405	0.0	4.7	-4.7
3	HVDC	MUNDRA-MOHINDERGARH	2	0	979	0.0	18.0	-18.0
4	765 kV	GWALIOR-AGRA	2	0	2993	0.0	43.7	-43.7
5	765 kV	GWALIOR-PHAGI	2	713	2145	3.2	26.9	-23.7
6	765 kV	JABALPUR-ORAI	2	0	1521	0.0	43.8	-43.8
7	765 kV	GWALIOR-ORAI	2	760	0	12.0	0.0	12.0
8	765 kV	SATNA-ORAI	1	0	1239	0.0	19.8	-19.8
9	765 kV	BANASKANTHA-CHITTORGARH	2	1357	984	8.8	3.9	4.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	3570	0.0	65.7	-65.7
11	400 kV	ZERDA-KANKROLI	1	335	47	2.5	0.1	2.4
12	400 kV	ZERDA -BHINMAL	1	227	33	1.7	0.0	1.7
13	400 kV	VINDHYACHAL -RIHAND	1	0	1	0.0	0.0	0.0
14	400 kV	RAPP-SHUJALPUR	2	318	755	1.5	7.2	-5.7
15	400 kV	NEEMUCH-Chittorgarh	2	105	914	0.2	9.5	-9.3
16	220 kV	BHANPURA-RANPUR	1	0	184	0.0	2.9	-2.9
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.9	-2.9
18	220 kV	MEHGAON-AURAIYA	1	71	34	0.4	0.1	0.3
19	220 kV	MALANPUR-AURAIYA	1	43	50	0.1	0.3	-0.2
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						30.1	329.1	-298.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	902	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	0	606	0.0	14.6	-14.6
3	765 kV	SOLAPUR-RAICHUR	2	2406	195	29.4	0.1	29.3
4	765 kV	WARDHA-NIZAMABAD	2	951	1663	3.3	8.8	-5.5
5	765 kV	WARORA-WARANGAL(NEW)	2	622	1090	2.3	5.4	-3.1
6	400 kV	KOLHAPUR-KUDGI	2	2209	0	40.4	0.0	40.4
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	1	0	91	1.9	0.0	1.9
WR-SR						101.3	28.9	72.4

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 MANGDECHU HEP 4*180MW)	1933	1186	1266	30.39
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	1546	803	832	19.97
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	171	55	98	2.36
	NER	132kV GELEPHU-SALAKATI	23	0	11	0.27
	NER	132kV MOTANGA-RANGIA	64	0	52	1.24
NEPAL	NR	NEPAL IMPORT (FROM UP)	-62	0	0	0.00
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-62	0	-10	-0.25
	ER	NEPAL IMPORT (FROM BIHAR)	187	71	151	3.62
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	822	370	602	14.44
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-949	-948	-949	-22.78
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1461	-998	-1193	-28.63
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-64	0	-47	-1.12

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 25-Sep-2025

Export From India (in MU)

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			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)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	35.24	0.00	1.54	0.00	0.00	0.12	0.00	0.00	36.90
Nepal	9.09	4.84	0.00	0.00	0.00	4.67	0.00	0.00	18.60
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	44.33	4.84	1.54	0.00	0.00	4.79	0.00	0.00	55.50

Net from India(in MU)

-ve : Export / +ve : Import

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	35.24	0.00	1.54	0.00	0.00	0.12	0.00	0.00	36.90
Nepal	8.88	4.84	0.00	0.00	0.00	4.67	0.00	0.00	18.39
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	20.79	4.63	1.54	0.00	0.00	4.79	0.00	0.00	31.75

15 Min (INSTANTANEOUS) ALL INDIA GRID FREQUENCY, GENERATION & DEMAND MET (SCADA DATA)												
TIME	FREQUENCY (Hz)	DEMAND MET (MW)	NUCLEAR (MW)	WIND (MW)	SOLAR (MW)	HYDRO** (MW)	GAS (MW)	THERMAL (MW)	OTHERS* (MW)	NET DEMAND MET (MW)	TOTAL GENERATION (MW)	NET TRANSNATIONAL EXCHANGE (MW) (+ve) Import, (-ve) Export
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-(C+D))	(J=B+C+D+E+H)	(K)
0:00	50.04	206410	4945	15501	0	30874	3550	149960	1857	190909	206687	1853
0:15	50.04	204881	4935	15562	0	30548	3686	149969	1800	189319	206500	1920
0:30	50.04	203531	4947	15574	0	30528	3555	148632	1863	187957	205099	1915
0:45	50.04	202555	4936	15958	0	30458	3582	147404	1821	186597	204159	1926
1:00	49.99	200709	4936	15938	0	29976	3538	146077	1819	184771	202284	1919
1:15	49.99	199287	4934	15850	0	29051	3507	145471	1860	183437	200673	1896
1:30	49.99	197783	4934	15781	0	28800	3457	144417	1828	182002	199217	1930
1:45	49.99	196760	4945	15716	0	29193	3447	143168	1805	181044	198274	1919
2:00	49.99	195639	4938	15632	0	29016	3440	142222	1859	180007	197107	1910
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2:30	49.99	193501	4938	15324	0	28964	3437	140410	1790	178177	194863	1905
2:45	49.99	193366	4950	15038	0	29289	3441	140285	1748	178328	194751	1921
3:00	49.99	192976	4942	14534	0	28981	3434	140674	1780	178442	194345	1907
3:15	49.94	192377	4941	14139	0	28769	3519	140820	1762	178238	193950	1941
3:30	49.99	192184	4949	13836	0	28667	3519	140855	1797	178348	193623	1936
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4:00	49.99	191391	4934	13268	0	28581	3531	140851	1772	178123	192937	1957
4:15	49.99	192237	4937	13226	0	28765	3530	141631	1782	179011	193871	1979
4:30	49.99	192643	4951	12975	0	28736	3526	142300	1739	179668	194227	1942
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5:15	49.98	194634	4941	12465	23	28976	3532	144764	1733	182146	196434	1993
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7:30	49.98	205269	4952	10220	10477	30724	3436	144590	1839	184572	206238	2007
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19:00	50.04	227450	4949	16428	778	36667	5265	162550	1900	210244	228537	1750
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21:00	49.99	219659	4954	17217	0	33883	4075	157890	1948	202442	219967	1475
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22:00	50.04	216328	4946	16835	0	34241	3635	155080	1857	199493	216594	1888
22:15	49.99	217217	4951	16820	0	34540	3631	155747	1869</			