



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: 04.10.2025

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 03.10.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 3-अक्टूबर-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 03.10.2025, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 04-Oct-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 19:00 hrs; from RLDCs)	68754	62146	47889	23056	3309	205154
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1483	1308	1134	505	61	4491
Hydro Gen (MU)	309	113	174	111	36	744
Wind Gen (MU)	6	124	96	-	-	225
Solar Gen (MU)*	152.22	115.66	143.79	1.32	0.97	414
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)	69376	63811	54743	23532	3333	208698
Time Of Maximum Demand Met	18:58	18:43	11:58	21:13	17:53	18:58

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	0.045	0.42	1.16	9.86	11.43	79.86	8.70

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	11706	0	243.3	129.5	-0.7	287	0.00
	Haryana	10857	0	226.1	174.1	-0.9	651	0.00
	Rajasthan	13581	0	302.4	126.6	-2.8	558	0.00
	Delhi	5816	0	119.2	113.9	-0.6	241	0.00
	UP	22365	0	454.0	163.5	-0.2	656	0.00
	Uttarakhand	2466	0	44.7	22.8	0.3	206	0.00
	HP	1733	0	34.6	8.5	-1.3	52	0.00
	J&K(UT) & Ladakh(UT)	2615	0	48.1	30.0	0.5	310	0.00
	Chandigarh	299	0	6.1	5.8	0.2	33	0.00
	Railways_NR ISTS	218	0	4.3	3.9	0.4	48	0.00
WR	Chhattisgarh	4494	0	101.6	49.0	-0.2	388	0.00
	Gujarat	19768	0	400.1	188.4	-10.7	2559	0.00
	MP	11411	0	246.6	133.1	0.0	358	0.00
	Maharashtra	24568	0	483.0	157.4	-4.0	776	0.00
	Goa	724	0	14.8	11.8	2.5	63	0.00
	DNHDDPDCL	1329	0	27.6	27.4	0.2	71	0.00
	AMNSIL	767	0	16.3	9.3	0.4	280	0.00
	BALCO	561	0	13.4	13.4	0.0	18	0.00
	RIL JAMNAGAR	204	0	4.7	4.8	-0.1	0	0.00
	Andhra Pradesh	10533	0	218.6	58.4	0.8	592	0.00
SR	Telangana	11797	0	216.9	81.8	0.4	554	0.00
	Karnataka	12194	0	226.3	59.0	-1.5	580	0.00
	Kerala	4504	0	87.2	54.4	0.2	261	0.00
	Tamil Nadu	17887	0	375.4	204.1	1.0	1282	0.00
	Puducherry	456	0	10.0	9.4	-0.1	60	0.00
	Bihar	5922	0	121.1	102.1	0.3	266	0.00
ER	DVC	2736	0	58.0	-39.8	0.1	342	0.00
	Jharkhand	1771	0	37.2	26.8	-1.4	444	0.00
	Odisha	5576	0	109.1	23.6	-3.8	314	0.00
	West Bengal	8448	0	179.0	49.6	-1.4	301	0.00
	Sikkim	50	0	0.8	0.9	-0.2	7	0.00
	Railways_ER ISTS	11	0	0.1	0.1	0.0	4	0.00
NER	Arunachal Pradesh	184	0	3.1	3.0	-0.3	20	0.00
	Assam	2111	0	38.7	30.3	0.5	248	0.00
	Manipur	230	0	2.9	3.0	-0.1	60	0.00
	Meghalaya	310	0	5.4	0.4	-0.1	59	0.00
	Mizoram	131	0	2.0	0.9	-0.2	47	0.00
	Nagaland	171	0	3.1	2.6	0.0	16	0.00
	Tripura	308	0	5.6	4.9	-0.1	57	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	56.4	25.3	-20.9	-23.6
Day Peak (MW)	2549.1	1150.0	-954.1	-1387.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	327.8	-242.8	108.9	-189.8	-4.0	0.0
Actual(MU)	318.8	-244.6	113.0	-193.8	-6.0	-12.5
O/D/U/D(MU)	-9.0	-1.8	4.1	-3.9	-2.0	-12.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6511	14296	8278	4560	205	33849	51
State Sector	5719	14934	10065	1127	199	32044	49
Total	12230	29230	18343	5687	404	65892	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	705	1210	544	642	12	3113	65
Lignite	24	15	58	0	0	97	2
Hydro	309	113	174	111	36	744	15
Nuclear	38	65	41	0	0	145	3
Gas, Naptha & Diesel	8	17	4	0	22	52	1
RES (Wind, Solar, Biomass & Others)	165	241	264	4	1	675	14
Total	1250	1661	1085	758	71	4825	100

Share of RES in total generation (%)	13.21	14.49	24.32	0.54	1.39	13.98
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	41.03	25.22	44.17	15.21	52.25	32.40

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.029
Based on State Max Demands	1.058

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	198062	15:46	0
Non-Solar hr	208698	18:58	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 18:00hrs and rest are Non-Solar Hours

*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: 04-Oct-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	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	47	0.0	2.6	-2.6
3	765 kV	GAYA-VARANASI	2	38	1492	0.0	16.8	-16.8
4	765 kV	SASARAM-FATEHPUR	1	0	709	0.0	9.8	-9.8
5	765 kV	GAYA-BALIA	1	0	709	0.0	11.3	-11.3
6	400 kV	PUSAULI-VARANASI	1	12	68	0.0	0.7	-0.7
7	400 kV	PUSAULI-ALLAHABAD	1	0	113	0.0	1.8	-1.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1256	0.0	23.2	-23.2
9	400 kV	PATNA-BALIA	2	0	859	0.0	11.6	-11.6
10	400 kV	NAUBATPUR-BALIA	2	85	172	0.0	4.0	-4.0
11	400 kV	BIHARSHARIFF-BALIA	2	0	420	0.0	7.1	-7.1
12	400 kV	MOTIHARI-GORAKHPUR	2	0	670	0.0	11.4	-11.4
13	400 kV	BIHARSARIFF-SAHUPURI	2	0	496	0.0	6.1	-6.1
14	220 kV	SAHUPURI-KARMANASA	1	18	32	0.0	2.2	-2.2
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.1	-0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.3	0.0	0.3
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						0.3	108.6	-108.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	63	1136	0.0	9.3	-9.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1111	715	9.3	0.0	9.3
3	765 kV	JHARSUGUDA-DURG	2	0	687	0.0	9.7	-9.7
4	400 kV	JHARSUGUDA-RAIGARH	4	192	525	0.0	4.4	-4.4
5	400 kV	RANCHI-SIPAT	2	233	316	2.3	0.0	2.3
6	400 kV	JEYPORE-JACDALPUR	2	149	513	0.0	6.2	-6.2
7	220 kV	BUDHIPADAR-RAIGARH	1	0	155	0.0	2.2	-2.2
8	220 kV	BUDHIPADAR-KORBA	2	119	122	0.0	0.4	-0.4
ER-WR						11.6	32.2	-20.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	614	112	4.8	0.0	4.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1624	0.0	34.8	-34.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	2890	0.0	50.5	-50.5
4	400 kV	TALCHER-UC	2	0	1497	0.0	15.6	-15.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						4.8	85.3	-80.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	308	131	2.7	0.4	2.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	49	572	0.0	6.2	-6.2
3	220 kV	ALIPURDUAR-SALAKATI	2	27	101	0.0	0.9	-0.9
ER-NER						2.7	7.6	-4.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.0	-12.0
NER-NR						0.0	12.0	-12.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3917	0.0	49.2	-49.2
2	HVDC	VINDHYACHAL B/B	-	0	256	0.0	2.5	-2.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	298	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	0	2108	0.0	36.6	-36.6
5	765 kV	GWALIOR-PHAGI	2	32	2093	0.0	29.7	-29.7
6	765 kV	JABALPUR-ORAI	2	0	1152	0.0	37.5	-37.5
7	765 kV	GWALIOR-ORAI	1	934	0	15.2	0.0	15.2
8	765 kV	SATNA-ORAI	1	0	1124	0.0	20.9	-20.9
9	765 kV	BANASKANTHA-CHITTORGARH	2	1557	1423	9.9	5.8	4.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	2260	0.0	33.3	-33.3
11	400 kV	ZERDA-KANKROLI	1	315	178	2.1	0.5	1.6
12	400 kV	ZERDA -BHINMAL	1	216	123	1.4	0.4	1.1
13	400 kV	VINDHYACHAL -RIHAND	1	0	2	0.0	0.0	0.0
14	400 kV	RAPP-SHUJALPUR	2	169	406	0.5	3.3	-2.9
15	400 kV	NEEMUCH-Chittorgarh	2	124	494	0.1	5.9	-5.8
16	220 kV	BHANPURA-RANPUR	1	0	118	0.0	2.1	-2.1
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3
18	220 kV	MEHGAON-AURAIYA	1	111	10	0.7	0.0	0.7
19	220 kV	MALANPUR-AURAIYA	1	87	19	0.3	0.0	0.3
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						30.1	237.4	-207.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	303	0	7.2	0.0	7.2
2	HVDC	RAIGARH-PUGALUR	2	565	3003	0.0	33.9	-33.9
3	765 kV	SOLAPUR-RAICHUR	2	695	805	1.0	5.9	-4.9
4	765 kV	WARDHA-NIZAMABAD	2	0	2094	0.0	31.2	-31.2
5	765 kV	WARORA-WARANGAL(NEW)	2	0	1478	0.0	23.1	-23.1
6	400 kV	KOLHAPUR-KUDGI	2	1606	0	26.6	0.0	26.6
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	101	0.0	2.0	-2.0
WR-SR						36.8	94.1	-57.3

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)	1523	1062	1355	32.51	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	927	853	885	21.24	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	80	22	51	1.23	
	NER	132kV GELEPHU-SALAKATI	19	2	9	0.22	
	NER	132kV MOTANGA-RANGIA	58	32	49	1.17	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-20	0	0	0.00	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	68	0	56	1.34	
	ER	NEPAL IMPORT (FROM BIHAR)	190	118	160	3.85	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	924	794	838	20.10	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-910	-712	-834	-20.01	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1388	-815	-984	-23.62	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-48	0	-38	-0.92	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 04-Oct-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	20.98	0.19	0.00	0.00	0.00	0.00	0.00	0.00	21.17
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	20.98	0.19	0.00	0.00	0.00	0.00	0.00	0.00	21.17

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	36.17	0.00	1.23	0.00	0.00	0.03	0.00	0.00	37.43
Nepal	9.11	4.81	0.00	0.00	0.00	9.67	0.00	0.00	23.59
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	45.28	4.81	1.23	0.00	0.00	9.70	0.00	0.00	61.02

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	36.17	0.00	1.23	0.00	0.00	0.03	0.00	0.00	37.43
Nepal	9.11	4.81	0.00	0.00	0.00	9.67	0.00	0.00	23.59
Bangladesh	-20.98	-0.19	0.00	0.00	0.00	0.00	0.00	0.00	-21.17
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	24.30	4.62	1.23	0.00	0.00	9.70	0.00	0.00	39.85

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 (MW)	TOTAL GENERATION (MW)	NET TRANSNATIONAL EXCHANGE (MW)
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-(C+D))	(J=B+C+D+E+F+G+H)	(+ve) Import, (-ve) Export
0:00	50.15	172584	5377	13393	0	28162	1670	122884	1654	159191	173140	2409
0:15	50.04	171718	5376	13451	0	27361	1667	123222	1593	158267	172670	2426
0:30	50.09	170151	5374	13297	0	27358	1660	122017	1627	156854	171333	2343
0:45	50.05	168668	5382	13134	0	27760	1669	120750	1581	155534	170276	2342
1:00	50.04	167142	5388	13007	0	27848	1675	118974	1571	154135	168463	2404
1:15	49.99	166455	5364	12980	0	28055	1664	117911	1608	153475	167582	2405
1:30	50.04	164866	5381	12746	0	28272	1671	116446	1569	152120	166085	2416
1:45	49.99	163739	5378	12394	0	27929	1672	115886	1559	151345	164818	2421
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2:15	50.00	162327	5392	11941	0	27762	1671	114950	1627	150386	163343	2394
2:30	50.00	161518	5382	11733	0	27687	1674	114400	1575	149785	162451	2410
2:45	50.05	160808	5386	11503	0	27413	1673	114232	1605	149305	161812	2397
3:00	50.00	161077	5378	11224	0	27761	1669	114391	1624	149853	162047	2396
3:15	50.00	159972	5382	10877	0	27208	1671	114145	1580	149095	160863	2400
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5:00	49.99	162904	5389	9583	935	26876	1687	118559	1594	152386	164623	2426
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6:45	49.94	175889	5384	9327	2690	32234	1886	124112	1590	163872	177223	2567
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8:45	50.04	184269	5394	8643	32012	24886	1888	111167	1702	143614	185692	2565
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21:45	49.89	195649	5403	10036	0	31494	2003	145128	1800	185613	195864	2552
22:00	50.04	194882	5402	10117	0	31002	2003	144809	1808	184765	195141	2541
22:15	49.99	194893	5404	9999	0	31082	2000	144636	1819	184894	194940	2540
22:30	50.04	194643	5411</									