



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
GRID CONTROLLER OF INDIA LIMITED
ग्रीड 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: 13.03.2025

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, शहीद 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, लापलंग, 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 12.03.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 12-मार्च-2025 की अखिल भारतीय प्रणाली की दैनिक ग्रीड 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 12.03.2025, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 13-Mar-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)	57510	70726	49664	25789	2618	206307
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1293	1644	1351	537	50	4875
Hydro Gen (MU)	130	66	81	20	10	307
Wind Gen (MU)	6	73	47	-	-	127
Solar Gen (MU)*	189.19	136.18	126.68	4.02	0.53	457
Energy Shortage (MU)	0.00	0.32	0.00	0.00	0.15	0.47
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65644	77633	66097	26025	2790	233408
Time Of Maximum Demand Met	10:21	10:41	10:57	18:57	18:02	10:27

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	0.043	0.25	0.32	4.73	5.31	72.51	22.17

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	9603	0	174.5	65.4	-2.1	501	0.00
	Haryana	8534	0	167.5	106.4	-1.3	301	0.00
	Rajasthan	16783	0	329.3	108.3	0.9	772	0.00
	Delhi	3941	0	77.4	69.9	-0.9	241	0.00
	UP	19778	0	400.3	105.6	-1.2	481	0.00
	Uttarakhand	2100	0	41.1	31.8	-0.3	77	0.00
	HP	1930	0	34.1	24.7	-0.5	650	0.00
	J&K(UT) & Ladakh(UT)	2911	0	60.8	55.6	-1.8	539	0.00
	Chandigarh	208	0	3.7	3.6	0.0	20	0.00
Railways NR ISTS	205	0	4.3	3.9	0.4	37	0.00	
WR	Chhattisgarh	6218	0	142.4	77.0	-0.1	239	0.00
	Gujarat	20875	0	444.6	205.8	-5.9	1593	0.00
	MP	14782	0	307.0	175.2	-3.0	708	0.32
	Maharashtra	30231	0	673.0	247.7	-4.0	830	0.00
	Goa	782	0	16.2	15.3	0.4	52	0.00
	DNHDDPDCL	1329	0	29.8	30.5	-0.7	256	0.00
	AMNSIL	792	0	12.3	8.8	-1.0	225	0.00
	BALCO	537	0	12.8	12.7	0.1	23	0.00
	RIL JAMNAGAR	244	0	5.7	5.8	-0.1	0	0.00
SR	Andhra Pradesh	12334	0	241.0	72.2	1.2	676	0.00
	Telangana	16731	0	328.1	186.7	-0.5	599	0.00
	Karnataka	18198	0	344.2	127.6	-0.5	1203	0.00
	Kerala	4388	0	95.6	78.9	0.8	352	0.00
	Tamil Nadu	15942	0	333.1	220.8	-2.6	730	0.00
Puducherry	417	0	9.3	9.1	-0.3	16	0.00	
ER	Bihar	5484	0	108.6	100.2	1.9	315	0.00
	DVC	3332	0	70.6	-54.2	-1.2	448	0.00
	Jharkhand	2094	0	41.4	30.0	-1.1	116	0.00
	Odisha	5839	0	116.3	26.7	-0.1	500	0.00
	West Bengal	9336	0	198.0	57.9	-1.2	198	0.00
	Sikkim	111	0	1.9	2.0	-0.1	15	0.00
Railways ER ISTS	19	0	0.2	0.1	0.0	0	0.00	
NER	Arunachal Pradesh	184	0	3.3	3.3	-0.1	30	0.00
	Assam	1602	0	29.4	23.4	0.1	163	0.00
	Manipur	203	0	3.0	2.7	0.3	64	0.15
	Meghalaya	325	0	5.4	4.1	-0.1	255	0.00
	Mizoram	136	0	2.2	1.9	0.1	23	0.00
	Nagaland	147	0	2.2	2.3	-0.1	21	0.00
Tripura	264	0	4.8	4.0	0.4	44	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-5.1	-12.1	-23.7	-28.0
Day Peak (MW)	-440.0	-731.1	-1018.0	-1384.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	136.5	-242.4	244.7	-148.8	10.0	0.0
Actual(MU)	131.6	-240.9	247.8	-156.3	10.1	-7.7
O/D/U/D(MU)	-4.9	1.6	3.1	-7.5	0.0	-7.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3910	8921	4378	3832	701	21742	50
State Sector	5838	8588	5356	1651	187	21620	50
Total	9748	17509	9734	5483	888	43362	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	857	1678	748	763	11	4057	77
Lignite	27	13	58	0	0	98	2
Hydro	130	66	81	20	10	307	6
Nuclear	20	45	76	0	0	142	3
Gas, Naptha & Diesel	11	12	5	0	24	52	1
RES (Wind, Solar, Biomass & Others)	217	214	211	6	1	649	12
Total	1263	2028	1180	790	45	5305	100

Share of RES in total generation (%)	17.20	10.53	17.87	0.82	1.17	12.24
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.12	16.03	31.15	2.80	23.48	20.62

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.023

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	233408	10:27	7
Non-Solar hr	208603	19:13	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: 13-Mar-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	2.3	-2.3	
3	765 kV	GAYA-VARANASI	2	283	974	0.0	10.7	-10.7	
4	765 kV	SASARAM-FATEHPUR	1	71	538	0.0	7.4	-7.4	
5	765 kV	GAYA-BALIA	1	0	420	0.0	6.5	-6.5	
6	400 kV	PUSAULI-VARANASI	1	0	142	0.0	2.3	-2.3	
7	400 kV	PUSAULI -ALLAHABAD	1	49	33	0.1	0.0	0.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	520	257	1.1	0.0	1.1	
9	400 kV	PATNA-BALIA	2	0	782	0.0	12.4	-12.4	
10	400 kV	NAUBATPUR-BALIA	2	0	310	0.0	3.8	-3.8	
11	400 kV	BIHARSHARIFF-BALIA	2	348	102	2.5	0.0	2.5	
12	400 kV	MOTIHARI-GORAKHPUR	2	36	368	0.0	4.7	-4.7	
13	400 kV	BIHARSARIFF-SAHUPURI	2	0	0	0.0	3.1	-3.1	
14	220 kV	SAHUPURI-KARAMNUSA	1	0	50	0.0	0.3	-0.3	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	30	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-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	4.3	53.5	-49.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	606	1015	0.0	1.1	-1.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	208	1202	0.0	10.7	-10.7	
3	765 kV	JHARSUGUDA-DURG	2	0	754	0.0	14.0	-14.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	859	0.0	12.7	-12.7	
5	400 kV	RANCHI-SIPAT	2	2	395	0.0	4.0	-4.0	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	161	0.0	2.5	-2.5	
7	220 kV	BUDHIPADAR-KORBA	2	96	116	0.0	0.5	-0.5	
						ER-WR	0.0	45.6	-45.6
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	840	0.0	9.0	-9.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1879	0.0	39.4	-39.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3056	0.0	54.5	-54.5	
4	400 kV	TALCHER-I/C	2	158	723	0.0	6.6	-6.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	102.9	-102.9
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	255	182	1.3	0.0	1.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	451	188	2.2	0.9	1.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	86	21	3.3	0.0	3.3	
						ER-NER	6.7	0.9	5.8
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	663	0	15.7	0.0	15.7	
						NER-NR	15.7	0.0	15.7
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3014	0.0	72.0	-72.0	
2	HVDC	VINDHYACHAL B/B	-	246	257	0.6	4.3	-3.7	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2361	0.0	46.8	-46.8	
4	765 kV	GWALIOR-AGRA	2	678	1073	3.2	4.1	-0.9	
5	765 kV	GWALIOR-PHAGI	2	905	1274	3.8	13.7	-9.9	
6	765 kV	JABALPUR-ORAI	2	453	597	0.0	4.6	-4.6	
7	765 kV	GWALIOR-ORAI	1	725	0	12.4	0.0	12.4	
8	765 kV	SATNA-ORAI	1	0	853	0.0	15.2	-15.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	1864	0	21.4	0.0	21.4	
10	765 kV	VINDHYACHAL-VARANASI	2	370	1679	0.0	16.6	-16.6	
11	400 kV	ZERDA-KANKROLI	1	373	0	4.8	0.0	4.8	
12	400 kV	ZERDA -BHINMAL	1	258	0	3.3	0.0	3.3	
13	400 kV	VINDHYACHAL -RIHAND	1	481	0	10.4	0.0	10.4	
14	400 kV	RAPP-SHUALPUR	2	670	114	6.4	0.1	6.2	
15	400 kV	NEEMUCH-Chittorgarh	2	754	115	6.6	0.1	6.5	
16	220 kV	BHANPURA-RANPUR	1	0	150	0.0	2.6	-2.6	
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.0	-2.0	
18	220 kV	MEHGAON-AURAIYA	1	134	0	2.2	0.0	2.2	
19	220 kV	MALANPUR-AURAIYA	1	97	0	1.4	0.0	1.4	
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
21	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	76.5	182.2	-105.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1011	0.0	13.5	-13.5	
2	HVDC	RAIGARH-PUGALUR	2	0	6018	0.0	98.3	-98.3	
3	765 kV	SOLAPUR-RAICHUR	2	1796	1443	4.4	9.9	-5.6	
4	765 kV	WARDHA-NIZAMABAD	2	96	3038	0.0	45.6	-45.6	
5	765 kV	WARORA-WARANGAL(NEW)	2	73	3052	0.0	46.0	-46.0	
6	400 kV	KOLHAPUR-KUDGI	2	1879	0	25.8	0.0	25.8	
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	131	2.6	0.0	2.6	
						WR-SR	32.8	213.4	-180.6

INTERNATIONAL EXCHANGES

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)	185	-34	-92	-2.20
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-275	89	-23	-0.54
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-228	0	-83	-1.98
	NER	132kV GELEPHU-SALAKATI	-22	-11	-18	-0.43
	NER	132kV MOTANGA-RANGIA	17	-7	4	0.11
NEPAL	NR	NEPAL IMPORT (FROM UP)	-69	0	0	0.00
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-69	0	-45	-1.09
	ER	NEPAL IMPORT (FROM BIHAR)	-197	-60	-160	-3.83
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-534	-6	-300	-7.21
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-946	-886	-927	-22.24
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1384	-808	-1169	-28.04
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-72	0	-59	-1.42

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 13-Mar-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	0.39	6.13	0.00	0.00	0.22	0.00	0.00	6.74
Nepal	3.87	0.00	4.74	0.00	0.00	3.22	0.00	0.00	11.83
Bangladesh	23.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.17
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	27.04	0.39	10.87	0.00	0.00	3.44	0.00	0.00	41.74

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62

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	0.62	-0.39	-6.13	0.00	0.00	-0.22	0.00	0.00	-6.12
Nepal	-3.87	0.00	-4.74	0.00	0.00	-3.22	0.00	0.00	-11.83
Bangladesh	-23.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.17
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-26.42	-0.39	-10.87	0.00	0.00	-3.44	0.00	0.00	-41.12

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)
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-(C+D))	(J=B+C+D+E+F+G+H)	(K)
0:00	50.07	186379	6154	7377	119	9469	2212	164689	2368	178883	192388	-1780
0:15	50.02	186692	6153	7351	118	8825	2243	166019	2341	179223	193050	-1840
0:30	50.02	186025	6147	7080	120	8841	2248	165644	2269	178825	192349	-1849
0:45	50.02	185609	6149	6893	125	8636	2246	165507	2281	178591	191837	-1872
1:00	50.02	185170	6148	6748	125	8611	2246	164921	2322	178297	191121	-1885
1:15	50.02	184095	6135	6560	123	8522	2180	164450	2272	177412	190242	-1898
1:30	49.97	182888	6155	6349	121	8045	2183	163817	2278	176418	188948	-1892
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