

## **VIDYUT REKHA**

**NEWS LETTER [1st Edition],** 

# NEWS LETTER

### A Comprehensive Guide:

This newsletter provides comprehensive overview of role of Electricity Department focuses on the critical efforts being made to ensure uninterrupted power supply to the residents of Andaman and Nicobar Islands, highlighting the key functions, governance structure, initiatives taken to explore & harness the abundant clean & green energy potential of our islands, coupled with innovative technologies and strengthening of T&D infrastructure that will build a resilient and self-reliant power infrastructure.

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## From Secretary's Desk...

SMITHA. R, IAS Secretary (Power) A&N Administration

Lt is with great pride and a sense of purpose that I present this First edition of

Newsletter of Electricity Department, Andaman and Nicobar Islands. These islands, a jewel in the Bay of Bengal, are blessed with unparalleled natural beauty and a unique ecological heritage. At the same time, they face distinct challenges due to their geographical isolation, scattered population, and limited resources.

Recognizing these challenges, our Administration has embarked on a transformative journey to ensure that the energy needs of the islands are met sustainably. This vision reflects our unwavering commitment to transitioning towards clean & green energy solutions that align with goals set by Government of India while ensuring energy security and economic growth for our people.

firmly believe that by exploring & harnessing the abundant sources of clean

& energy potential of our islands, coupled with innovative technologies like energy storage systems, green hydrogen, DC motor prime mover and energy conservation, we can build a resilient and self-reliant power generation infrastructure. Parallelly efforts are vigorously taken for strengthening of T&D infrastructure as well. It not only highlights our achievements in clean & green energy deployment and smooth transition towards de-dieselization, but also charts a clear path toward a future where clean & green energy power will lighten every household, government & commercials establishments in the Andaman and Nicobar Islands.

SMITHA. R Secretary (Power) A&N Administration

## **EXECUTIVE SUMMARY**

The Andaman & Nicobar Islands, one of the Union Territories (UTs) of India are an archipelago of over 572 Islands located in the Bay of Bengal, scattered over a distance of more than 750 Km. with northern tip being in the vicinity of Myanmar and the southernmost tip being close to Indonesia. The capital of the UT, Sri Vijaya Puram, is about 1,200 kms. from the mainland cities of Chennai and Kolkata. Out of the total 572 islands, 37 Islands are inhabited, of which 19 inhabited islands have been electrified and remaining inhabited outlying islands are electrified through community-based power plants, or by camped department like Police, Lighthouse & Lightships and Forest. Most of the population this UT is concentrated in South, Middle and North Andaman Islands.

The power requirements of A&N islands are predominantly met by diesel-based Generators. Due to the geographical and topographical peculiarities of these islands including separation by sea over great distances, there is no single power grid for the entire electrified islands, instead power house at various islands caters independently to the power requirements of area/Islands.

There is a total of 54 Powers Houses covering three districts viz. South Andaman – 14 Nos. North& Middle Andaman – 20 Nos., Nicobar- 20 Nos (including community-based power plants) having a total capacity of 100MW including Diesel (66 % share), Solar (30% share) & Hydel (4% share) power plants.

The 100MW generation system with T&D infrastructure includes a network of 1434 Ckt KM HT lines (33/11KV), 3837 Ckt Kms LT lines (415KV) and 1097 nos. of DTs feeding power to 1,54,731 consumers

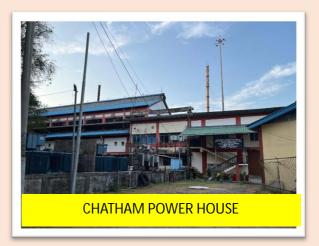
The progress made in clean & green energy sector over the last

few years have been significant to cater rampant power demand due to socioeconomic growth of these Islands.

The idea behind the swift transition to clean & renewable sources of energy is to phase out diesel generation to cut down the overall cost of power with other added advantages of building a clean environment.







## **HISTORICAL JOURNEY – Glimpses of the past**

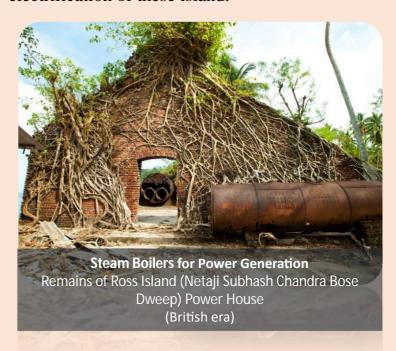
The Power Development in South Andaman started with small DG Power House, limited its supply to Aberdeen Bazaar. Only after re-occupation of the Island in 1947, 1x550 KW steam generating sets was installed at Chatham Power House. Subsequently, one more similar unit was added at Chatham Power House with associated distribution network and confining the power supply to Haddo, Phoenix Bay & Aberdeen Bazaar.

The Electricity Department established with an Assistant Engineer under the supervision of the Harbour Master in 1949 and started functioning independently in the year 1957 with Resident Engineer. The Chatham Power House remained the only power station in the A&N Islands up till 1960. Subsequent augmentations of power programmes were taken-up at Chatham Power House by adding 1x330 KW Duetz DG Set on 11.08.1962, 1x440 KW Skoda DG Set on 08/1968 and 1x550 KW steam turbine on 31.12.1975.

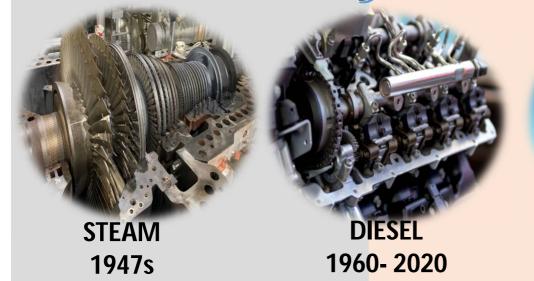
Another Power House at Phoenix Bay was also established by installing 1x630 KW Russian DG set on 15.09.1970. Four units of 248 KW Kirloskar DG Sets were also added at Phoenix Bay Power House during 1974-75 and 1975-76.

Further augmentation programmes were taken up to meet the immediate needs by adding 1x1060 KW Mirrless DG Set, 2 units of 880 KW each SKL DG sets and one unit of 856 KW GRSE set.

In a similar manner, depending upon the need of each island, power generating units and associated T&D infrastructures were set up and power supply arrangement was done to ensure electrification of these island.







RENEWABLES BY 2030

## **CONSUMER CARE**

To ensure timely and effective redressal of consumer no-light complaints, a Central Control Room (CCR), a dedicated call Centre is established by the Electricity Department to address complaints related to power outages and other electricity-related issues. The CCR is designed with a seamless mechanism that establishes a direct interface between consumers and site offices. CCR has been made technologically sophisticated for real-time monitoring and dissemination of information regarding power outages. An immediate update on the power failure is provided to consumers enabling a faster response and reducing inconvenience.

Apart from this, the complaints registered at CCR are monitored and reviewed at higher level ensuring higher standard of accountability. The comprehensive monitoring framework allows for performance assessment and helps in identifying recurring issues, which can then be addressed systematically.

The establishment of the CCR underscores the Electricity Department's commitment to leveraging technology and robust management practices to provide superior service to the residents of the islands. By fostering a responsive and accountable operational framework, the CCR has become a vital component in ensuring a resilient and consumer-centric power supply system.



# **HOW THIS WORKS...???** Consumer calls 1800-345-1111& **START** • Whats app No :9531822200 CCR takes the call Registers complaint on CCHM (Consumer Complaint Handling Mechanism). SMS pushed to concerned JE and consumer as well. JE calls consumer and takes his exact location. JE with his Staff Reaches complaint location. Rectifies the issue and informs CCR. JE closes the live ticket. CCR monitors the status of complaint. CCR calls the complainant to take feed back. Process ends **END**

## **ENERGY CONSERVATION**

**ECBC** refers to **Energy Conservation Building Code** & Rules
framed under the provisions of Energy
Conservation Act, 2001.

UT of A&N islands was the first UT to have notified ECBC code in August 2019 among all UTs. Municipal Corporation in erstwhile Port Blair incorporated the provision in the bye -laws in 2021. ECBC compliance has been enforced and is being implemented in letter & spirit for all the prospective buildings after the notification.









## SWITCH OFF MACHINES WHEN NOT IN USE







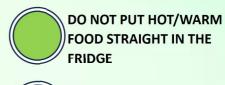


USE SOLAR DEVICES

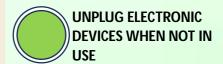
USE PROTECTION DEVICES

### **USEFUL ENERGY SAVING TIPS...**

"Energy conservation refers to the efforts made to reduce the consumption of energy. The energy on Earth is not in unlimited supply. Furthermore, energy can take plenty of time to regenerate. This certainly makes it essential to conserve energy. Most noteworthy, energy conservation is achievable either by using energy more efficiently or by reducing the amount of service usage."







SET YOUR WATER HEATER AT 120F

# WHERE YOUR ENERGY GOES

Cooling and Heating 58%

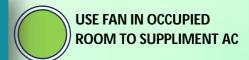
Water Heating 13%

Lighting 10%

Refrigeration 7%

Cooking 6%

Other Appliances 6%



SEAL AND
WEATHERPROOF
YOUR ROOM

GENERATE YOUR OWN SOLAR POWER FROM ROOFTOP SOLAR



## **ENERGY CONSERVATION EVENTS**

To encourage the conservation of Energy, the "Energy conservation week" is observed in the month of December every year. In which various competitions such as painting, speech, quiz is organized in schools and colleges. This week-long programme is celebrated in association with BEE. The Culminating event ends with the prize distribution to the winners of various competitions







PRESENTATION BY STUDENTS (DEC, 2023)





**WORLD ENVIRONMENT DAY- AWARENESS AT COMMUNITY LEVEL (1ST WEEK OF JUNE 2023)** 



**WORLD ENVIRONMENT DAY- E-VEHICLE AWARENESS** RALLY (1ST WEEK OF JUNE 2023



PRESENTATION BY COLLEGE STUDENTS (DEC, 2023)

## TOWARDS RENEWABLES – ROOFTOP & GROUND MOUNTED

Total Installed capacity: 30 MWp

Average Annual Solar Generation: 27 MUs Energy Requirement in FY 2023-24 – 377

MUs

NTPC: 5 MW
MUNDRA: 3.15 MW
SECI: 1 MW
NLC: 20 MW

**IN PIPELINE:** 

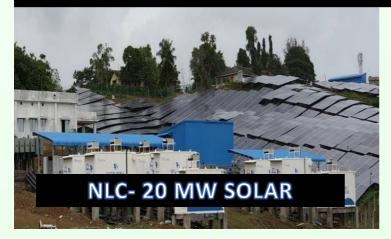
PHASE-I: 29.42 MW PHASE II: 152.3 MW

**ROOFTOP SOLAR** 

GOTV. BUILDINGS: 3.45 MW RESIDENTIAL BUILDINGS: 30

MW

## **GROUND MOUNTED SOLAR PLANTS**





## KALPONG HYDEL POWER PLANT- 5.25 MW





## **ROOFTOP SOLAR**







## **UJALA SCHEME - Unnat Jyoti by Affordable LED for All**

Hon'ble Prime Minister, on 5th
January 2015 launched Unnat Jyoti by
Affordable LED for All (UJALA)
program. Under UJALA scheme, LED
bulbs, LED Tube lights and Energy
efficient fans are being provide to
domestic-consumers for replacement
of conventional and inefficient variant.
The vscheme was powered and
supported by EESE.

0 3 0



## **ENERGY SAVING STATISTICS**

No. of Households	1000	00
Number of LED offered per household	4 No	S
No. of LED Bulbs Offered under UJALA	4000	00
Wattage of Bulb	ICL	CFL
Hours of usage	3.5	25 3.5
Usage days per year	300	300
Energy saved per LED per Day	0.1785	0.56
Energy saved per LED per Day	53.55 Kwhr	16.8 Kwhr
TOTAL	70.35 K	Whr
TOTAL	70.35 K	Mul

## PM SURYAGHAR MUFT BIJLI YOJNA - PMSMBY

"PM Surya Ghar Muft Bijli Yojana" is an initiative by Government of India aimed at providing free electricity to households through solar energy. The scheme was announced on 13th February, 2024 primarily focuses on the installation of solar panels on rooftops, enabling households to generate their own power and to reduce reliance on conventional electricity, lowering energy costs and minimizing environmental impact.







NRSE Division, Electricity Departm Sri Vijaya Puram, South Andar



"Let the sun's energy light up your life."

## **ENERGY MANAGEMENT CENTRE (EMC)**

**Energy Management Centre (EMC)** in the context of A&N Islands is in operation at Phoenix Bay Power House Conference. It has been established through PGCIL, implementing the project for automation of grid operations.

All the power plants and sub stations which are integrated with the grid are connected to EMC through remote terminal units. The information on critical parameters is fetched and displayed on the screen facilitating real time monitoring and supervision. General Engineering is providing technical assistance for operation and maintenance. After the expiry of contract, EMC operations shall be taken over completely by the Department.





#### **ENERGY MANAGEMENT CENTRE**

#### **POWER ANLYSIS REPORTS**

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BERCO OF BERCO	ENCE (MES) FEEDER WLAT SUB STATION FEEDER DAL BAY FERRARGUNJ FEEDER HEL - V FEEDER PE TOWN FEEDER	B Non.	3:17 TERRUPTS Durathan (htt:ree)	3	******	4		3	1	2	10	1:46	2440	98.95%	3	4	2	0	1	-4	-61
AMBOOFI SHOOT SHOT	PEAT SUB STATION  FEEDERS  DAL BAY FERRARGUNJ FEEDER  4EL - V FEEDER  PE TOWN FEEDER	10 10	TERRUPTS Duratten (htt: mer)		98.05%		6	3	1	2	6	2:11	5158	98.70%	2	0	2	1	1	-10	-21
No. SHOOM SH	FEEDERS  DAL BAY FERRARGUNJ FEEDER WEL - V FEEDER PE TOWN FEEDER	19	Duration (hit mes)			4	0	3	0	1	4	197	3	99.04%	2	0	2	0	0	-4	40
No. SHOOM SH	FEEDERS  DAL BAY FERRARGUNJ FEEDER WEL - V FEEDER PE TOWN FEEDER	19	Duration (hit mes)																		
PANERACAACAACAACAACAACAACAACAACAACAACAACAACA	NEL - V FEEDER PE TOWN FEEDER	19			Reliability	110	Fred &	ran	1000	Steam	Non.	TERRUPTIC Duration	Cura.	Retairing Index	USB-	Lim Fout 8	788	HPTO	total	Non.	Burn
PROTES CHIEFE CHI	PE TOWN FEEDER	29	12:08	6816	92.78%	2	13	2	0	1	18	3:40	6827	97.82%	2	12	2	,	0	4	(Max
PROTES CHIDNES CALIC			17:19	5859	89.69%	3	24	2	0	0	12	6:10	5257	96.33%	2	7	2	1	0	-47	-11
PROTE MINN DOLL GARA DEFE CHID BROC CHID OUTE OUTE ABBR	ARAMA BUR STATION					-	-	-	Ė		5	1:22	786	99.19%	2	2	1	0	0	6	1:
PROTE MINN DOLL GARA DEFE CHID BROC CHID OUTE OUTE ABBR		_				_				_	_				_		_				_
PROTEST MINNO PROTEST MINNO PROTEST CHIEF PROTEST CALIDO TIGGS ABBRE			Durattan	ON			Line					TERRUPTIO	in .			Line				INTER	NAT Y
MINN DOLL GARA DEFE CHID BROC CALIC DUTE TIGES	FEEDERS	Non.	(hh:mee	111111	Reliability	158 ·	Paul & Sect.	ran.	mant)	Batar	Non.	Guration (Mozeni	Core.	Retradotity Index	UF.	Padi B Bert	rse	HERO	Botter	Non.	Dura (bib)
GARA GARA GARA GARA GARA GARA GARA GARA	OTHRAPUR FEEDER	21	R:58	5043	94.66%	4	9	3	2	3	9	426	5044	97.36%	2	4	2	1	0	-12	-41
GARA GARA GARA GARA GARA GARA GARA GARA	INIE BAY FEEDER	12	6:29	2974	96.14%	4	0	3	1	4		R:05	2979	95.19%	2	3	1	1	1	-4	110
DEFE CHID BROC CALIC OUTE OUTE ABBR	LYGUNJ FEEDER	14	5:19	4560	96.84%	4	3	3	1	2	6	2:05	4564	98.76%	2	1	2	1	0	-8	-3:
CHID BROCE CALIC OUTE O TIGES	RACHARMA FEEDER	16	7:10	4397	95.72%	4	5	3	2	2	10	3.43	4425	97.79%	2	2	2	1	3	-4	-3:
P BROCO	ENCE BROOKSHABAD FEEDER	9	6:58	3	95.85%	4	0	3	0	1	5	3:19	3	98.03%	2	1	2	0	0	4	-3:
CALIC OUTE O TIGES	DYATAPU FEEDER	17	6:00	5681	96.43%	4	6	3	1	3	12	4:39	5690	97.23%	1	5	2	1	2	-6	41
OUTE O TIGES	OOKSHABAD FEEDER	27	9:55 7:31	5741 2661	94.10%	4	18	3	1	1 2	19	9:54	5742	94.70%	2	14	2	0	2	-8	41
O TIGES	TER FEEDER	-	_	4938	94.54%	-	-	-	-	_	-	6:07	4948	96.36%	-	-	-	<u> </u>	-	-	-
ARRE	FER FEEDER	29	9:10	7965	95.16%	4	19	3	1 0	1 2	25	11:31	7970	96.36%	1	21	1 2	1 0	0	4	31
	EN PERDEN	25	8.08	1403	93.16%		10	-			28	11:31	7470	92.146	<u>.</u>	20					9.
	REVIATION																				
	E FAULT & MAINTENANCE	Der EF		De mire	ed Earth Fau			NET			Shad Dones	MIT.				FIR					
Earth F	h Fault (Non Directional)	Non Dir	tr.	DOF No	To no			por a		Comple	ne Shutdine	m skue to Site	ation Faul			CSD - S	į.				
Deer C	Current Fault (Directional)	Dir OC Non Dir		Routes	Maintenano Ruled Mainte			RM USM		Fire-Cor DG Fwili	trui Room					Pee DOF					
Differe		DILL	uc.	TAD Fac		arian in		TAD F	- 8	DIS FIELD	-					100		1			
	ree Power	RP		Over Los				OL.		HEFO								1			
	onic Weather eformer Fault	CW		Cable Fo Over Vot	Tape :			CF QV		HOPP DU	tage top & HPF (	Dutage				MAN	PPO -				
	Aublic Request	OPR		Loss Visit				W													
Correct	goleto Shubbosen duer to Line Fault	CIR-LF	_				_			Comple	W Shitting	er dise to Lie	e Fusit		_	CSD-L	f :	1			
SCLAR	AR glets Stutilinen due to Spler drop	CSE Sub																			
	Drop	SE SE																			
Under	ar Friequency	UF		J																	
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				+							O util										
			m	tym	ma ear (EMC)						HALL	-									

#### T&D OUTAGES ANALYSIS OF ALL SITE OFFICES OF A&N ISLANDS FROM 14-02-2025 TO 20-02-2025 & 21-02-2025 TO 27-02-2025

Division	Site Office	Nos.	Duration (th me)	POLE	EM.	180	Cut	CAB	80	RM	34.	ABS	RMU	DSM	EAD	PRE	OPR	Nos.	Duration (N) mm			TRS	Cut	CAB	BC	AM.	B.	ABS	RMU	DSM	EAD I	APPER O	CIPPE	NA.	-	Duration (M: exx)	to .
HQ	HADDO	9	06:37	2	1	4	Г	1	П	П	П	1			П			8	08:53		2	3	Г	2	П	1	П	П	П	П	Т	Т	Т	П	-1	2:16	1
но	PHONIEX BAY	4	08:15		Г	3	Г	Г	П			Г		1				.7	05:00	1	Г	Г	Г	Г	1	П	П	П	П	5	Т	T	T	1	3	-3:15	4
HQ	ABERDEEN	12	11:24		Г	1	Г	2		П				7		2		8	08:37		Г	1	Г	Г						7	Т	T	Т		4	-2:47	0
HQ	DAIRY FARM	11	06:16	6			5											9	07:28	4			1	2		1					1	Т	Т		-2	1:12	0
но	SHADIPUR	18	07:20	8	Г	Г			П	П								21	07:47	5	Г	Г	14	2	П		П	П	П	П	Т	Т	Т	٦	3	0:27	0
но	CHAKKARGAON	6	18:40	2	Г	Г	Г	1		3					П	П		5	05:55		Г	1	Г	1	П	2	П	1		П	Т	Т	Т	2	-1	-12:45	3
на	PROTHRAPUR	8	05:35			5		1		2								9	07:00		Г	2	Г	4	1	2				П	Т	T	Т		1	1:25	0
но	BIRDLINE	9	12:40		Г	Г			3	5	П	1			П			8	04:58		Г	Г	2	2	1	2		1	П	П	Т	Т	Т	٦	-1	-7:42	0
SAD	NAMUNAGHAR	3	14:25	1	Г	1	Г	П	П			П			1			0	00:00		Г	Г	Г			П	П	П	П	П	T	Т	Т	7	-3	-14:25	11
SAD	TEMPLEMYO	4	05:40	1	Г	2	Г	1	П	П		Г			П	П	П	5	08:35		Г	Г	1	3	1	П	П	П	П	П	Т	Т	Т	3	1	2:55	6
SAD	WIMBERLYGUNJ	4	12:00	3		1												4	17:33	2	Г	2	Г	П						П	Т	Т	Т	3	0	5:33	6
SAD	FERRARGUNJ	3	07:44		Г	Г	Г	1	П			2						6	11:25		Г	Г	Г	Г	П	П	П	3	П	П	1	Т	2	4	3	3:41	8
SAD	SHOAL BAY	0	00:00		Г	Г			П	П	П				П	П		0	00:00		Г	Г	Г	П	П	П	П	П	П	П	T	T	T	7	0	0:00	14
ND:	RKPUR	5	02:00			4					1	П			П			7	03:50		Г	2	Г	Г	1	1	1			П	2	T	$\exists$	3	2	1:50	6
ND	CAR NICOBAR	2	15:17		Г	Г	Г								2			14	13:22	3	Г	1	Г	3				4		П	3	T	╛	1	12	-1:55	6
ND	TERESSA	0	00:00		Г	Г	Г	П	П	П	П	П	П	П	П	П		1	04:59		Г	Г	Г	1	П	П	П		П	П	Т	Т	Т	5	1	4:59	13
ND	CAMPBELL BAY	4	20:19		Г	Г	Г	4	П	П								6	11:45	1	Г	Г	Г	2	1	П	П	1	П	П	1	Т	Т	1	2	-8:34	5
RURAL	LONG ISLAND	0	00:00			Т			П									0	00:00		Г	Г	Т	П	П			П		П	$\top$	$\top$	$\Box$	7	0	0:00	14
RURAL	BARATANG	0	00:00		Г	Г	Г	П	П	П		П				П		1	04:50		Г	Г	Г	Г	П	1	П	П	П	П	Т	Т	Т	6	1	4:50	13
RURAL	BAKULTALA	1	00:55		Г	Г	Г	П	П	П	П	1	П	П	П	П		3	10:25	1	Г	Г	Г	П	П		П	П	П	П	2	Т	Т	4	2	9:30	10
RURAL	BETAPUR	0	00:00			Г												0	00:00		Г	Г	Г	Г		П				П	П	T	$\neg$	6	0	0:00	13
RURAL	TUGAPUR	.1	03:15		Г	Г	Г		П	1		Г						1	00:25		Г	Г	Г	Г	П	П	П	П		1.	Т	Т	T	6	0	-2:50	12
RURAL	BANGAON	0	00:00		Г	Г	Г		П									0	00:00		Г	Г	Г	Г	П			П		П	Т	Т	Т	7	0	0:00	14
RURAL	HANSPURI	0	00:00			Г			П						П			0	00:00		Г	Г	Г	Г		П	П		П	П	Т	Т	Т	7	0	0:00	14
RURAL	MAYABUNDER	1	00:50		Г	Г	Г	1	П			П						1	03:15		Г	Г	Г	Г	П	1	П	П	П	П	T	Т	╛	6	0	2:25	12
NAD	AERIAL BAY	0	00:00		Г	Г	Г			П		П				П		1	03:00		Г	Г	Г	П	П	П	П		П	П	1	T	T	6	1	3:00	13
NAD	SMITH ISLAND	0	00:00		Т	Т	Т	П			П	П		П	П	П		0	00:00	П	Г	Т	Т	П	П	П	П	П	П	П	T	T	╛	7	0	0:00	14
NAD	SHANTI NAGAR	0	00:00		Î	î	ì	П	П	Г	Г	ī	Т	П		П	Г	0	00:00	i	ī	ì	Ť	ī	П	П	П	г	г	П	П	П	П	7	0	0:00	1
NAD	GANESH NAGAR	0	00:00											П				0	00:00		T		T				Г				П	П	П	7	0	0:00	1
NAD	GANDHI NAGAR	0	00:00	П	T	т	Т	Т	П	Г		Т		П	П		Г	0	00:00		т	T	t	Т	T	Т	Т	Г		П	П	П	П	7	0	0:00	1
NAD	LAXMIPUR	1	02:10	1		$\vdash$				Н		$\vdash$		Н			-	1	01:28	1	+	۰	+	+				$\vdash$	Н	Н	Н	П	Н	6	0	-0:42	1 12

The T&D Outages of leftout Site offices were not updated by respective JET

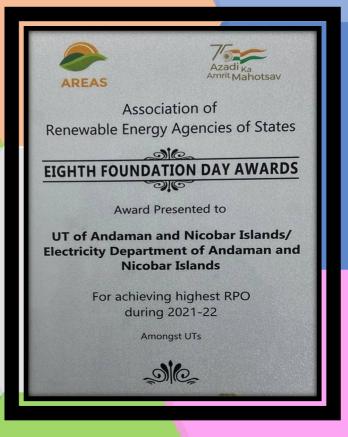
ABBREVATION		Work (Nos.)			Work (Non.)
Poles	POLE	42	Bare Conductors	BC	9
Energy Meters	EM	3	Routine Maintenance	RM	22
Transformers	TRS	33	Streetlights	SL	2
Cutouts	CUT	33	Air Break Switches	ABS	15
Cables	CAB	34	Ring Main Unit	RMU	0





## **ACHIEVEMENTS / AWARDS**







## **CAPACITY BULIDNG PROGRAMMES**



**CAPACITY BUILDING TRAINING BY NPTI ON ROOFTOP** 





TRAINING ON ECBC (RESIDENTIAL) – PBMC HALL (20.04.2022)



CAPACITY BUILDING TRAINING OF ENGINEERS AT BENGALURU





TRAINING BY USAID ON SMART METERING 31.08.2024



TRAINING FOR FARMERS ON AGDSM (22.08.2024)

## **OUR FUTURE ROADMAP**

### **HVDC TERMINAL LINK**

Interconnection with mainland through <u>+</u> 320 KV, 250 MWHVDC undersea cable interlink terminal at for at Sri Vijaya Puram. CTUIL has been entrusted for study of cost benefit analysis of project for obtaining approval of National Committee Transmission (NCT). Estimated timeline is 2029-30.





### **50 MW LNG PROJECT**

MoP has reconsidered setting up of 50 MW LNG based Power Plant at Sri Vijay Puram for which NVVN (Subsidiary of NTPC) has been engaged. MoPNG has roped in IOCL for Gas Linkage. Power evacuation from project site to Bambooflat Substation will be done by Electricity Department. Estimated timeline is December 2027.

## **NUCLEAR POWER PLANT**

Nuclear based Power Plant in A&N Islands for Energy Security has been proposed in IDA meeting. MHA has been requested for development of Barge mounted Floating Nuclear Power Plant as proposed by DRDO in A&N Islands.



### **WIND POWER PLANT**

Wind Resource Assessment (WRA) study being conducted since 1992 and data collected at different elevation (20M, 30 M and 50 M) at identified sites /Islands. 100M mast commissioned in 2024 for WRA studies at Long Island, Shaheed Dweep & Manglutan. WRA study proposed at Swaraj Dweep & Tugapur is under approval of NIWE. Wind Turbine Generator (WTG) installation is proposed by NIWE at Sawai, Car Nicobar (0.75 MW), Bangali, Teressa (0.25 MW) & Vikasnagar, Kamorta (0.25 MW).





#### **GEOTHERMAL ENERGY**

Harnessing geothermal energy potential in A&N Islands for providing clean, sustainable, and reliable power solution is a viable alternative to diesel-based generation and shall pave the way for surplus geothermal energy export to the grid. To further explore the potential of geothermal energy and seek expert guidance, MNRE has been requested to depute an agency for exploring the possibilities of Geothermal Energy at Andaman & Nicobar Islands.

## **NOTIFICATIONS / GAZETTE**

#### अण्डमान तथा Andaman And



### निकोबार राजपत्र Nicobar Gazette

EXTRAORDINARY प्राधिकार से प्रकाशित

सं. 158, पोर्ट ब्लेयर, गुरुवार, 22 अगस्त, 2019 No. 158, Port Blair, Thursday, August 22, 2019

अण्डमान तथा निकोवार प्रशासन ANDAMAN AND NICOBAR ADMINISTRATION सचिवालय/secretariat

#### NOTIFICATION

Port Blair, dated the 22nd August, 2019

FOR DIABIT, dated the 22<sup>nd</sup> August, 2019.

No. 155/2019/F. No. EL/NR88/Tech/7-5[ECBC)/2017-18/PF— In exercise of forered under Section 57 of the Energy Conservation Act, 2001 read with Notification St. St. 593(E)/F. No. U-11030/1/2005/UTL dated 24.4.2006 issued by Govt. of India, Milhome Affairs, the Lieutenant Governor (Administrator), Andaman and Nicobar Islands hees the following Code, namely:

- This Code shall be called the Andaman and Nicobar Islands Energy Conservation Building Code, 2019.

  This Code shall come into force from the date of its publication in the Official Gu

FURITY OF THE PROPERTY OF THE

#### SCOPE

The Code is applicable to buildings or building complexes that have a connected load of 50 kW or greater or a contract demand of 60kVA or greater and are intended to be used for commercial purposes. Buildings intended for private residential purposes only are not covered by the Code. This Code would become mandatory as and when it is notified by the Central or State Government in the Official Gazette under clause [p] of Section 14 or clause [a] of Section 15 of the Energy Conservation Act, 2001 [52 of 2001].

- 15 of the Energy Conservation Act, 2001 (52 of 2001).

  2.1 Energy Efficiency Performance Levels
  The Code prescribes the following three levels of energy efficiency:

  a) Energy Conservation Building Code Compliant Building (ECBC Building) ECBC Buildings shall demonstrate compliance by adopting the mandatory and prescriptive requirements listed under ECBC Compliant Building requirements in §4 to §7, or by following the provisions of the Whole Building Performance (WBP) Method in §9 (Appendix B).
  - Building (ECBC + Building) ECBC Building (ECBC + Building) ECBC Buildings shall demonstrate compliance by adopting the mandatory and prescriptive requirements listed under ECBC+ Compliant Building requirements in §4 to §7, or by following the provisions of the Whole Building Performance (WBP) Method in §0 (Appendix B).

#### **ENERGY CONSERVATION BUILDING CODE**

## अण्डमान तथा Andaman And



## निकोबार राजपत्र Nicobar Gazette

EXTRAORDINARY प्राधिकार से प्रकाशित Published by Authority

सं. 118, श्री विजपुरम, बुघवार, 23 अक्तूबर, 2024 No. 118, Sri Vijaya Puram, Wednesday, October 23, 2024

ANDAMAN AND NICOBAR ADMINISTRATION SECRETARIAT

#### NOTIFICATION

Sri Vijava Puram dated the 23rd October, 2024

No.112/2024/ File No.M-17/4/2024-O/o SPV-ELE-LEL\_AN-Part (1)— Under the Scheme PM Surya Ghar Muft Bijli Yojana launched by Ministry of New & Renewable Energy (MNRE), UT Administration of A & N Islands is pleased to provide Financial Assistance (FA) as an additional subsidy to promote & ensure effective implementation of the Programme in Residential Sector. The MNRE share & UT share shall be as follows:

SI. No.	Residential RTS capacity	MNRE Share Central Finance Assistance (CFA) per KWp	Consumer Share per KWp	UT Share UT Financial Assistance (UTFA) per KWp
1.	First 2 KWp of RTS capacity or part thereof	Rs. 33,000/-		Will vary according to vendor cost, subject to maximum UTFA of Rs. 45,000 per KWp. Any additional share beyond Rs. 45,000 per KWp will also have to be borne by the Consumer.
	D- 45000/ por KMn ch	all he available atte	capacity, a si	ubsidy for a maximum amount of
	minimum consumer shar	e of Rs. 20,000/- admissible UT shar	per KWp (si re). Any extra of the RTS	ubsidy amount for part capacity / remaining cost will be borne by plant as per the rate provided in

अण्डमान तथा Andaman And



#### निकोबार राजपत्र Nicobar Gazette

सं. 282, पोर्ट ब्लेयर, सोमवार, 04 नवम्बर, 2019 No. 282, Port Blair, Monday, November 04, 2019

अण्डमान तथा निकोबार प्रशासन सचिवालय

अधिसूचना

पोर्ट ब्लेयर, दिनांक 04 नवम्बर, 2019 । Port Blair, dated the 4th November 2019

No. EL/NRSE/TECH/7-5(1)/ELFC/2019. WHEREAS it has been found that inefficient filament lamps are still in circulation in the market, even after implementation of various energy efficiency projects in which LED lights were provided at very nominal rates to overcome the barrier of high cost of LED.

AND WHEREAS, the draft notification for the proposed direction was published on 16:08/2019 for inviting objections' suggestions from the stakeholders and persons to be effected thereby. A meeting was also held with the stakeholders on 24:08/2019. The opinion received on the issue havebeen duly considered.

AND WHEREAS, with the view to protect and improve the quality of environment and efficiently supply power for the socio- economic growth the Administrator of UT can enforce ban on sale purchase of filament lamps which will help in protection and improvement of the environment of these islands due to reduction in the GHG gases emitted from the power plants due to saving of power by promoting the usage of LED lamps.

NOW THEREFORE, in pursuance to the advice of Bureau of Energy Efficiency (BEE), State can take steps to encourage preferential treatment for use of energy efficient equipment or appliancesas per Section 15 (g) of EC Act, 2001. Also as per Section 18, the Central Government or the State Government may, in the secretice of its powers and performance of its functions under this Act and for efficient use of energy and its conservation, issue such directions in writing as it deems fit for the purposes of this act to any person, officer, authority or any designated consumer and such person, officer or authority or any designated consumer shall be bound to comply with such directions. Therefore, State is free to exercise its power as per aforementioned sections of EC Act, 2001.

AND THEREFORE, in exercise the powers conferred under Section 15 (g) and Section 18 of the Energy Conservation Act, 2001 (52 of 2001) under chapter VI "Power of State Government to

#### FILAMENT LAMP BAN NOTIFICATION

ANDAMAN AND NICOBAR ADMINISTRATION राधिवालय/SECRETARIAT

Port Blair dated the 12th September, 2024

#### NOTIFICATION

No....98 2024 ... / E- F.No. M-17/4/2024-O/o SPV-ELE-ELE-AN , in pursuance of sub-rule (7A) of Rule 5 of the Amendment of the Electricity (Rights of Consumer) Rules,2024 issued by Ministry of Power, read with Notification No. S.O. 721(E) dated 22/06/2004 issued by Ministry of Home Affairs, Govt. of India, the Lieutenant Governor (Administrator), A&N Islands is hereby pleased to waive of the requirement of Technical Feasibility for acceptance of applications complete in all respect for roof top solar installation up to 10 KW capacity in the A&N Islands and any commensurate enhancement of sanctioned load of the consumer shall be carried out by the Electricity Department with immediate effect."

By order of the Lieutenant Governor (Administrator) Andaman and Nicobar Islands

Sd -Assistant Secretary (Power) A&N Administration Port Blair

The Manager, Govt. Press, Port Blair with the request to publish the Notification in the A&N Gazettee forthwith. It is also requested that 25 copies of the same may be forwarded to the Executive Engineer (NRSE). Elect. Department, Port Blair. The bill may be raised in favour of EE (NRSE), Electricity Department.



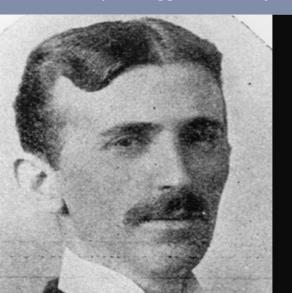
## **ELECTRICITY DEPARTMENT**

**ANDAMAN & NICOBAR ADMINISTRATION** 

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Please send your suggestions and feedback - vidyutpb@gmail.com / seed@and.nic.in





Electric power is everywhere present in unlimited quantities and can drive the world's machinery without the need of coal, oil, gas, or any other of the common fuels.