

अण्डमान तथा निकोबार प्रशासन
अधीक्षक अभियंता का कार्यालय
विद्युत विभाग
श्रीविजयपुरम - 744 101



Andaman & Nicobar Administration
Office of the Superintending Engineer
Electricity Department
Sri Vijaya Puram - 744 101

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फा.स.६ F.No. EL/PL/15-7/2025/ 3084

श्रीविजय पुरम / Sri Vijaya Puram, दिनांक/Dated 15.10.2025

To,

The Assistant Director (Admn.),
Directorate of IP&T,
Sri Vijaya Puram.

Sub: - Submission of Newsletters - Reg.

Sir,

This is in continuation to this office letter No. EL/PL/15-17/2025 dated: 23.04.2025 on the subject matter, kindly find enclosed a copy of 2nd edition of Newsletter of Electricity Department with due approval of competent authority in e-file No. 129300 for kind information & necessary action please. A soft copy has been sent in e-mail id: andamantourismcell@gmail.com as desired.

This issues with approval of Superintending Engineer (Tech.)

Yours faithfully,

Encl: As above

सहायक अभियंता (योजना). Assistant Engineer (PL)
(E-file No. 129300)

Copy to

1. PS to Secretary (Power) A& N Administration for kind information of Secretary (Power).
2. PA to Director (Power) A& N Administration for kind information of Director (Power).
3. The Executive Officer, SOVTECH, DBRAIT Campus, Pahargaon, Sri Vijaya Puram with reference to the directives issued on Minutes of Senior Officers Meeting held on 08.04.2025 for information please.

सहायक अभियंता (योजना). Assistant Engineer (PL)

ELECTRICITY DEPARTMENT

ANDAMAN & NICOBAR ADMINISTRATION



NEWS LETTER

October , 2025

VIDYUT REKHA 2nd EDITION

Transforming CHOWRA into a - “RE-Island”

In This Edition...



- Brief of CHOWRA Island
- Current Energy Landscape
- Objectives
- Sustainable Energy Solutions
- Load Distribution
- Own-Generation energy Model
- Common Utility Place
- Roadmap for Energy Transitions
- Potentials for RTS in Govt. Buildings
- Way forward

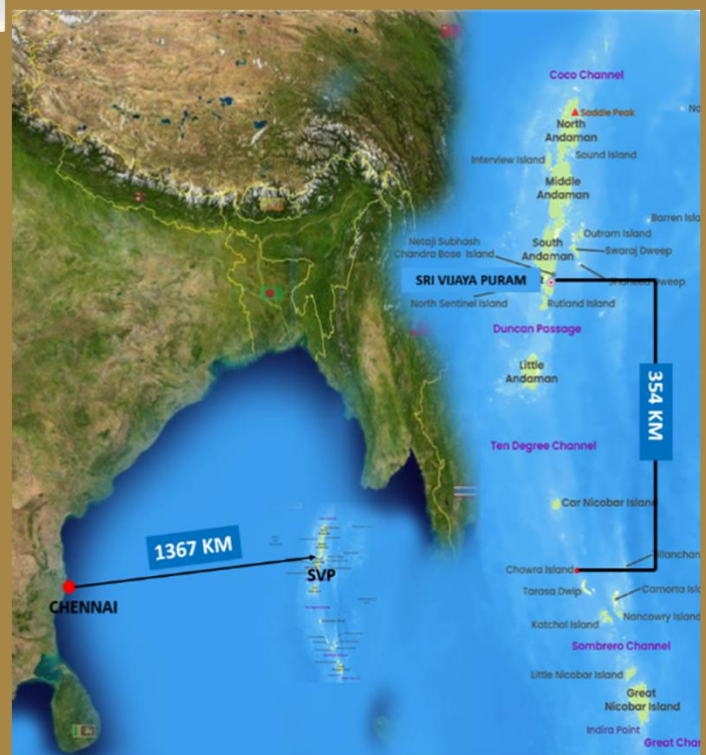
CHOWRA ISLAND

THE DISTANCES

CHENNAI ✈️ SHRI VIJAY PURAM 🚢 CHOWRA ISLAND
1367 Km 354 Km

- Chowra is a small inhabited island that forms part of the **Nancowry Township** under **Teressa Taluk** in the **Nicobar District** of the Andaman and Nicobar Islands. It lies in the Andaman Sea, situated north of Teressa Island and south of Battimalv Island, covering an area of approximately **8.28 sq. km**.

- Also known as **Choura**, **Tatat**, or **Sanenyo**, the island is largely flat, with a **rocky upland rising to 104.5 meters** at its southern end. Coral reefs extend nearly **1.5 miles** off the island's northwestern coast, forming a natural marine barrier. **Tahaila Beach**, located on the eastern coast, serves as the island's main access point and houses the **jetty**.



CURRENT ENERGY LANDSCAPE

- Generation source – Diesel Generator sets
- Installed capacity – 100 kw
- Annual Energy Requirement – 271450 units
- Annual Diesel Consumption – 101750 liters
- Peak Load – 90 kw
- Average Load – 42 kw
- Consumer Base – 350 Nos.

Own-Generation Energy Model

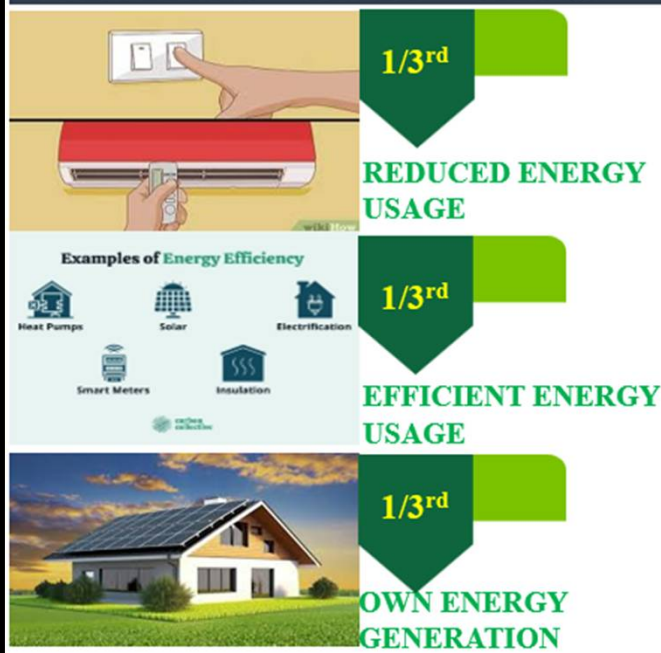


OBJECTIVES

- Arrangement of 24x7 Power Supply.
- Shifting towards green & clean energy to reduce dependency on diesel source.
- Solarization of Govt. buildings and households.
- Power adequacy for sustainability.



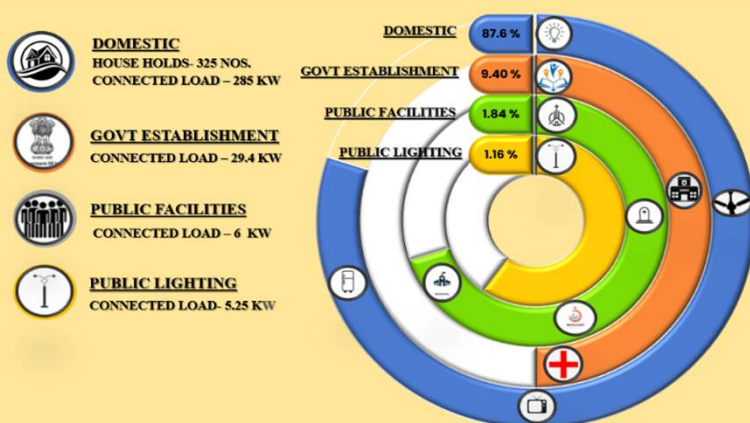
SUSTAINABLE ENERGY SOLUTIONS – The 1/3rd Concept



COMMON UTILITY PLACE FOR CHOWRA - PROPOSED

CHOWRA ISLAND will have a common utility space powered by the Renewable energy and battery storage systems. This place will have facilities for basic household works such as ironing, baking, washing machines, television, computer system communication equipment, etc. apart from this all villages shall use smart devices such as LEDs, BLDC Fans, Solar Street Lights, etc.

Load Distribution for CHOWRA



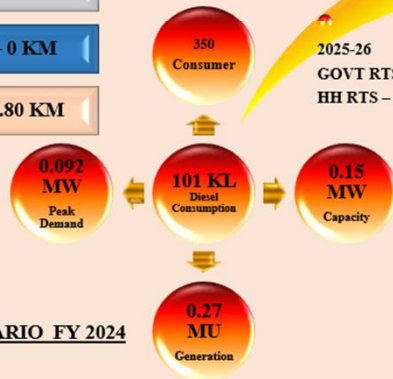
ROADMAP FOR ENERGY TRANSITIONS

CHOWRA ISLAND

EXISTING ELECTRICAL INFRASTRUCTURE



PRESENT SCENARIO FY 2024

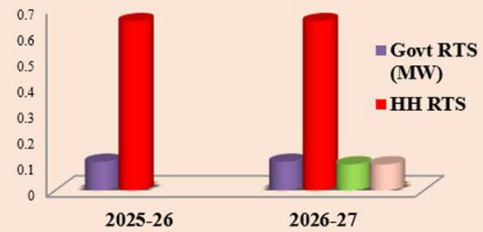


PROJECTED SCENARIO FY 2027

2026-27
Solar GM – 0.1MW
BESS – 0.5MW/ 1MWhr
Community RTS- 0.02 MW
2025-26
GOVT RTS-0.11 MW
HH RTS – 0.650 MW



PROGRESS CHART



Potentials for RTS in Govt. Buildings



POLICE OUT POST



COMMON COMM. HALL



SUPPLY GODOWN



HEALTH WELLNESS CENTRE



GSSS CHOWRA



CHURCH

WAY FORWARD

- Installation of Rooftop Solar plant in Govt. Buildings through empanelled vendors under 3.45 MW project being undertaken by NVVN.
- Installation of RTS plant in all household buildings with feasible roof under ULA model of PM Surya Ghar Muft Bijli Yojna.
- Installation of solar streetlights by Electricity Department through UT Budget.
- Installation solar power plant in utility places under plan work of Electricity Department.
- Implementation of energy efficiency programme for replacement of all conventional electrical appliances with energy efficient counter parts



"Switching to renewable energy isn't just about saving electricity -it's about saving generations."

ELECTRICITY DEPARTMENT
Andaman & Nicobar Administration

PM Surya Ghar Muft Bijli Yojna

In Andaman & Nicobar Islands

"Zero Bill upto 300 Units...!!!"

LET'S SAVE ENERGY

Adjust Your Device and Appliance Settings to Save Energy At Home



Adjust your thermostat according to the time of day.



Lower the thermostat on your water heater to 120° F.



Set your computer to sleep or hibernate mode.



Avoid using the rinse-and-hold setting on your dishwasher.



Why Choose Solar Power?

- Energy Security through reliable and sustainable source of power.
- Minimal investment, maximum returns.
- Reduced Electricity Bills through Net metering Instant Subsidy release after commissioning.

How to Avail Scheme Apply Online

- Step 1 - View & Compare costs / features of Solar Plant
- Step 2 - Select vendors
- Step 3 - Get easy Approval



Financial Assistance from Government Subsidy Available

Plant Capacity	Total Subsidy	Cost Borne by Consumer
1 KW	78000/-	20,000/-
2 KW	1,56,000/-	40,000/-
3 KW	2,02,800/-	67,000/-

VISIT WEBSITE

www.pmsuryaghar.gov.in

recover your investment in almost 2 years

Sample Calculation of Payback Period for a 3 KW Solar Plant						Sample Calculation of Payback Period for a 2 KW Solar Plant						
Unit Consumption	Monthly Unit Bill (in Rs.)	Savings (in Rs.)		Investment on Solar by Consumer (in Rs.)	Recovery Period (in Yrs)	Unit Consumption	Monthly Unit Bill (in Rs.)	Savings (in Rs.)		Investment on Solar by Consumer (in Rs.)	Recovery Period (in Yrs)	
	Without Solar	With Solar	Monthly	Yearly			Without Solar	With Solar	Monthly	Yearly		
700	6150	2900	3250	39000	67000	1.7	500	3850	1950	23400	40000	1.8
600	5000	1950	3100	36600	67000	1.8	400	2900	1000	20800	40000	1.8
500	3850	1000	2850	34200	67000	2.0	300	1950	325	16250	19000	2.1

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



03192 230276
NRSE Division, Electricity Department
5-A, Millers' Bazaar, South Andaman

For your power failure complaints

Call us on our Toll free number

1800-345-1111

We are available 24x7



Electricity Department, A&N Administration

"I'd put my money on the **sun and solar energy**. What a source of power!

I hope we don't have to wait until **oil and coal** run out before we tackle that."

Thomas Edison, 1931