

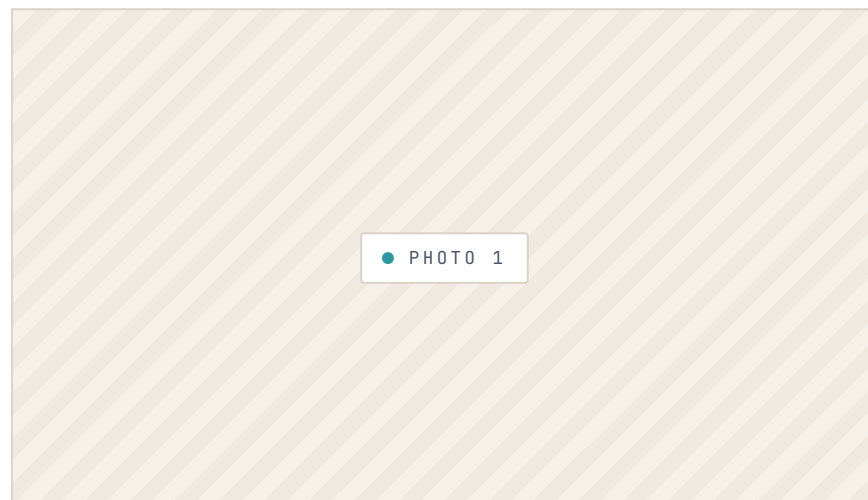
Solar power for the municipal evacuation centre and emergency operations in Baras, Catanduanes

PHILIPPINES · Catanduanes · Baras

CATEGORY **SOCIAL SYSTEMS** PUBLIC AWARENESSPRIMARY HAZARDS
Storm damageMOBILITY DIMENSION
Avoided displacement

RICD RISK TIER

High



GRANT RECIPIENT

MDRRMO Baras

PARTNERS

MSWDO · DSWD · POPCOM · PNP · BFP · PCG

TOTAL PROJECT VALUE

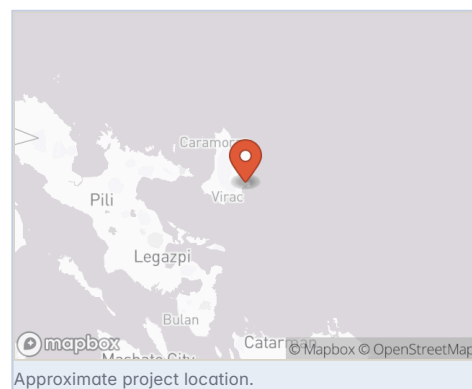
45,676 USD 6 months**50%** CCF GRANT **22,838 USD****50%** MATCHING FUNDS **22,838 USD**

Matching partner being sought

Context and approach

Baras faces the Pacific and regularly loses power during typhoons, storm surges and floods. The municipal evacuation centre, which also houses the disaster, social welfare and emergency operations offices, cannot function without electricity when it is needed most.

The Municipal Disaster Risk Reduction and Management Office will install a 20 kVA solar power system so lights, communications, weather monitoring, CCTV and internet keep running through outages, with a teen centre supporting youth engagement.



Project outputs

- Assess the site and design a solar system with load computation
- Procure and install a 20 kVA solar setup integrated with existing wiring
- Test the system and train staff in monitoring and maintenance
- Keep communication and monitoring tools running during emergencies
- The evacuation centre and emergency offices operate through power outages
- Evacuees have light, communication and services during disasters
- Reliance on fossil-fuel generators falls

Reach & deliverables

400ESTIMATED
POPULATION
IMPACTED
Baras,
Catanduanes**20 kVA**SOLAR
POWER
municipal
evacuation
centre**4**FACILITIES
KEPT
RUNNING
MDRRMO,
MSWD, EOC,
teen centre

Milestones

6 MONTHS TOTAL

M.01

1 monthCoordination meeting and site
assessment

M.02

3 monthsPlanning, design, load
computation and approval

M.03

3 monthsProcurement, installation, testing
and grid integration

M.04

1 monthTraining on monitoring and
maintenance