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WHY LADAKH NEEDS LOCAL ELECTRICIAN



BEFORE ELECTRIFICATION



AFTER ELECTRIFICATION

Village in Ladakh -14000 ft

SOLAR TRAINING OF LOCAL YOUTH – GARO, MEGHALAYA



GURMET ANGMO - TRAINING BY GHE & BAREFOOT



**TRAINING AS SOLAR
ENGINEERS FOR
6 MONTHS**



**LEARNING THE BASICS
OF ELECTRICITY AND
CIRCUIT BOARDS**



**CONNECTING THE
SOLAR PANELS TO THE
BATTERIES**



RURAL LADAKH ELECTRIFICATION WORK





MEGHALAYA ELECTRIFICATION WORK





IDENTIFY MEGHALAYA WOMEN FOR SOLAR ENGINEERS



100W BULB TO 10W LED (SAME LIGHT)



BENEFITS OF BEING AN ELECTRICIAN



A collection of basic electrical tools is laid out on a light-colored wooden surface. The tools include a yellow digital multimeter with a black dial, a yellow and red clamp meter, a pair of blue-handled wire cutters, a pair of yellow-handled pliers, two screwdrivers with black and yellow handles, and a black soldering iron with a yellow cord. The tools are arranged in a somewhat circular pattern, with the multimeter and clamp meter at the top and the screwdrivers and pliers at the bottom.

BASIC TOOLS TO START

BASIC QUALIFICATION REQUIRED

MORE INCOME VS TIME SPENT

RESPECT FROM COMMUNITY



JOB SATISFACTION



SOLAR SYSTEM COMPONENTS



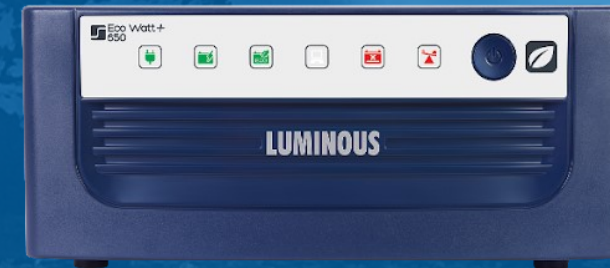
BATTERIES



SOLAR PANELS

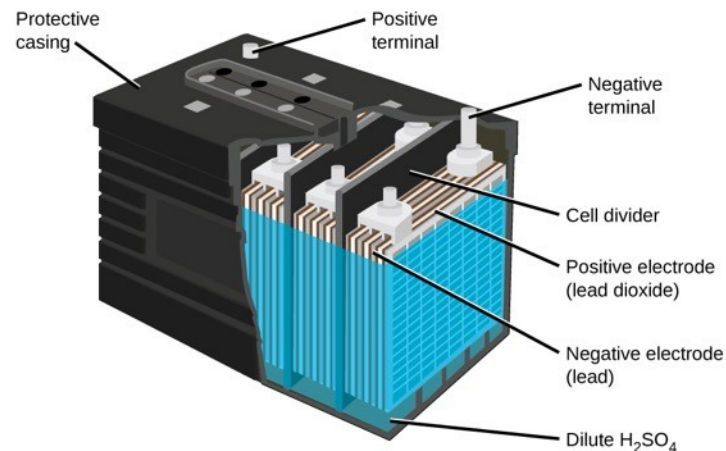


LED BULBS

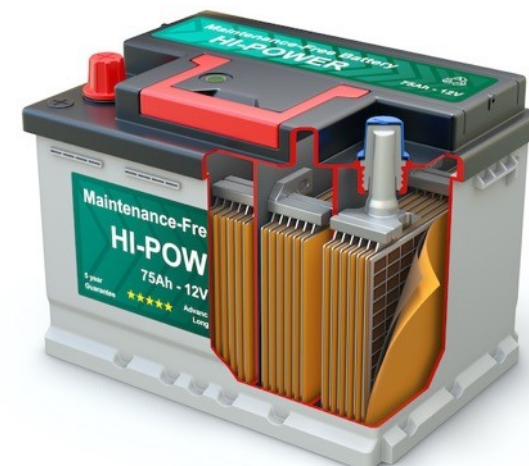


INVERTER

TYPES OF BATTERIES

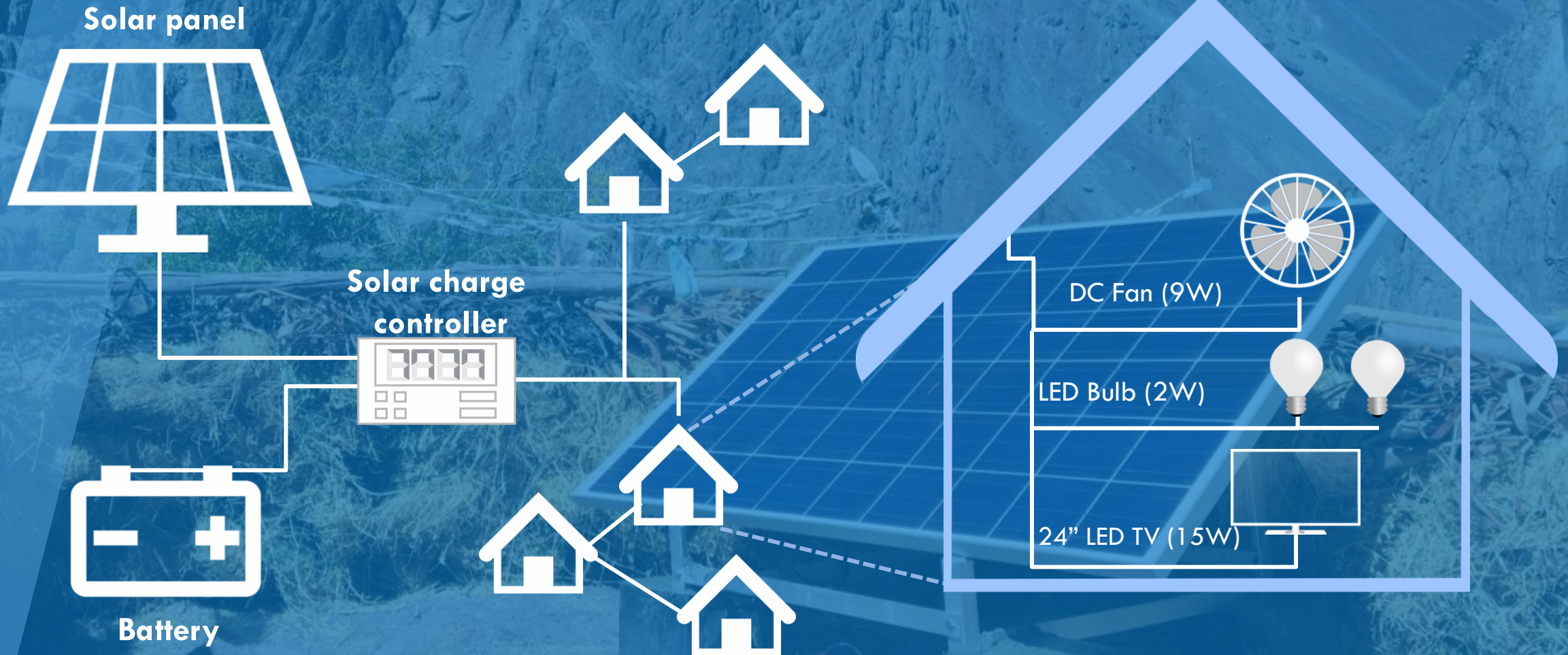


SOLAR TUBULAR - LEAD ACID BATTERY



GEL BATTERY

DC MICRO-GRID TECHNOLOGY – 200/500W Nano grid



ADVANTAGE OF DC GRIDS vs AC GRIDS



NO CONVERSION LOSS – DC is highly efficient as compared to AC



NO SHOCK – DC is safe and risk free, especially for remote rural areas



BETTER LED OUTPUT – More lumens than AC for same power consumption



EASY TO MAINTAIN AND OPERATE – DC micro-grids have a simple design



LOCAL EXPERTISE – Trained electricians easily available for DC technology

TYPE OF INVERTERS

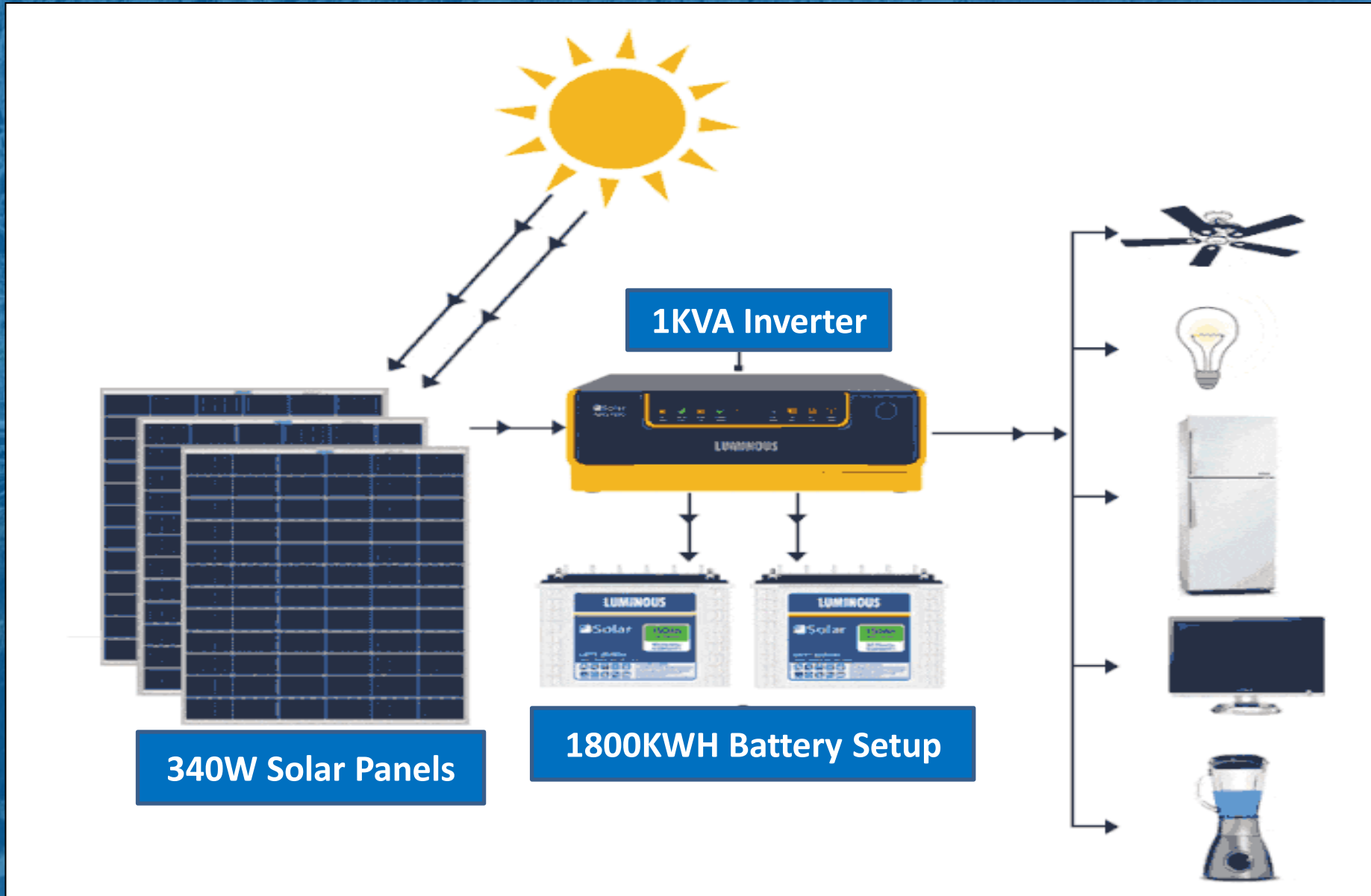


900 KVA INVERTER



7kW INVERTER

AC MICRO-GRID TECHNOLOGY – 1 KVA INVERTER/HOUSEHOLD





POSSIBLE OPPORTUNITIES IN LADAKH

Get Work throughout 12 months in Ladakh

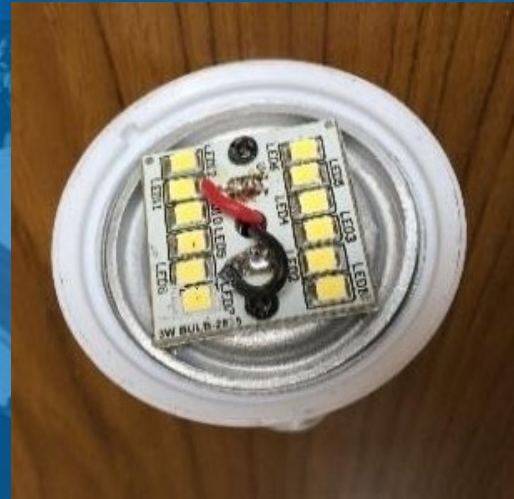
Demand of Outside companies for local electricians

Continuous work from Hotel & Resorts

Trained Electricians can apply for UT Ladakh tender

Setup Service centre for Maintenance of Solar Products

COMPONENTS OF LED BULB MAKING



MCPCB



B-22 Holder



SOLDERING ROD



CRIMPER

MY DREAM - MAKE IN LADAKH INITIATIVE



**SETUP OF LED
ASSEMBLY LINE TO
MANUFACTURE SOLAR
COMPONENTS**



**LOCAL PACKAGING,
AND DISTRIBUTION OF
LOCALLY MADE SOLAR
PRODUCTS**



**TRAINING LOCAL
COMMUNITIES TO
SETUP SERVICE CENTRE**



Thank you

**Shakir Hussain
Gurmet Angmo**