




Rainbow Group

*Free
Electricity
for Lifetime*

upto
50%
Government
Subsidy

Rainbow solar power solutions and automations

has been established in 2016 as a complete one stop solar power solution provider in Goa. The mission of the company is to promote a green revolution with a passion to conserve natural resources where in one can generate electricity through the infinite & free resource "The Sunlight" thus without creating any of the by-products that could pollute planet earth. " We generate electricity and conserve it too ". Having generated electricity, we also offer a comprehensive automation solution to homes, offices, schools, industries, hospitals & other commercial establishments by which one can make optimum utilisation of electricity with least wastage.

Make hay while the sun shines

- ◆ Goa Government promotes Rooftop Solar Power Plants on Domestic as well as Commercial Installations by offering a **subsidy of 50 % & 20%** respectively of the Bench Mark Cost of the Project.
- ◆ Commercial Establishment can get an Income **Tax Rebate of 100 %** in 3 continuous Financial years under Accelerated Depreciation
- ◆ One time investment can give you "**Life time Free Electricity**".
- ◆ "**ZERO** Electricity Bill" and also get paid for Extra Units exported to Grid.
- ◆ Get paid periodically for Lifetime
- ◆ Investment recovered in less than 5 Years/ 3 Years
- ◆ Arresting carbon footprint and promoting green power, **Small contribution towards planet earth.**



“HOW ELECTRICITY IS GENERATED FROM SUNLIGHT”

Visible wavelength of sunlight has capability to make electrons flow in certain type of material (semiconductors). This phenomenon is called photoelectric effect and these photoelectric materials in the form of solar cells are used for electricity generation in Solar PV plants. The electricity produced in this way is Direct Current (DC) and proper electrical arrangement is made to convert this to usable form (AC) in our households. A electricity generating plant by sunlight is designed in such a way to produce uniform voltage to our household in spite of varying sunlight in day time.

“WHAT WE OFFER & HOW WE GO ABOUT IT”

We offer 'concept-to completion' services for Grid-connected, off-grid with batteries & Solar Pump systems using Solar PV technology. We bring in extensive field experience in terms of understanding the best suited technology for Indian conditions that includes the most efficient Made in INDIA Modules, BoS (Balance of system) products, Design, Installation and Project management using industry's best practices. Our strong relationship with PV Panel manufacturers, leading Inverter manufacturers and other BoS suppliers ensure our customer's projects are executed at the most optimal cost. We have strategic alliance with many OEM companies & Component suppliers for Solar PV systems. We Do Not Charge for the entire Liasioning process, Inspections by Nodal Agencies, Concerned Electricity Department Division, MRT and also facilitate to avail the subsidy. As per Goa State Solar Policy one can Install a Solar Power Plant up to the Sanctioned Load provided a clear shadow free Rooftop space towards South is available.

STEPS INVOLVED

Step 1: SITE & PROJECT ANALYSIS

Our team will conduct a thorough feasibility survey, assessment of your energy needs; the potential for solar PV based electricity generation and will assess the Structural, Electrical, and Environmental elements.

Step 2: SYSTEM DESIGN

We do a detailed engineering analysis that enables us to define and design the location of all equipments including modules, mounting structures, inverters, cabling and related civil work applicable to your specific site location, size and topography. We will require few inputs & data based on which we design the system (Including Automation if Needed)

Step 3: ERECTION & COMMISSIONING

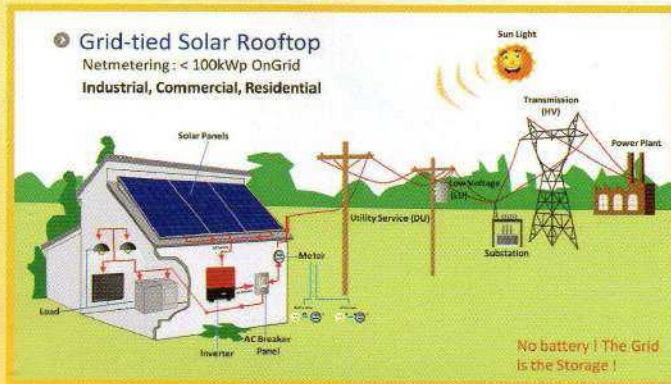
Our certified field staff manages the entire erection & commissioning process, including the logistics, system integration, civil work related with above system. This includes panel mounting, inverter, Energy Meter, DCDB & ACDB installation & cabling.

Step 4: PROJECT Training

We are committed to complete the projects within stipulated timeframe and use the best practices to ensure requirements of the SPV system are achieved. We will train one person appointed by you to handle the system, trouble shooting & maintain the same as required

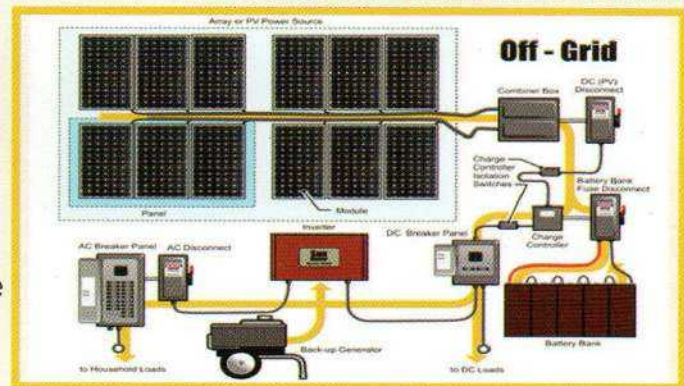
TYPES OF SOLAR PHOTOVOLTAIC (PV) SYSTEMS

ON-GRID SOLAR PV SYSTEM



- Also called Grid Tied system
- No batteries. Also can have Zero electricity bill
- Power generated is partially used and rest supplied to grid
- Get paid for amounts of units supplied to the Grid.

OFF-GRID SOLAR PV SYSTEM



- It is a Stand Alone System
- Power generated is used during the day time for all appliances
- Reduced electricity bill
- Excess power gets stored in the batteries for usage

OTHER SOLAR POWERED PRODUCTS

We are The authorized Distributors for SUPREME SOLAR Products for The State of Goa to market their Solar water heaters & other related products. MNRE approved



ISO 9001 & ISO 14001 Company, Supreme Solar is one of the biggest Solar water heater manufacturing brand established in 2004 which emphasizes more on RND to evolve better quality products which are being sold to across the country as well as more than 58 countries across the globe. We deal in ETC as well as FPC Solar water heaters ranging from 100 LPD to 1000 LPD.

These Solar water heaters are manufactured using the State of Art Technology at Bangalore Manufacturing Unit. The Inner tank is made of S304 Plate & CRCA Sheet for ETC & FPC respectively with Outer tank being powder coated GI sheet. High quality PUF /Fibre Glass material is used for the Insulation which keeps the Water heated inside the Inner tank for 48 Hrs. The System has a robust MS structure powder coated to avoid corrosion.



We also deal in multi branded Solar Street lights, Garden Lights, Home Gate Lights, Solar Fencing & we are authorized Dealers in SOLEX Solar Pumping Systems etc.

"COMPLETED PROJECTS"



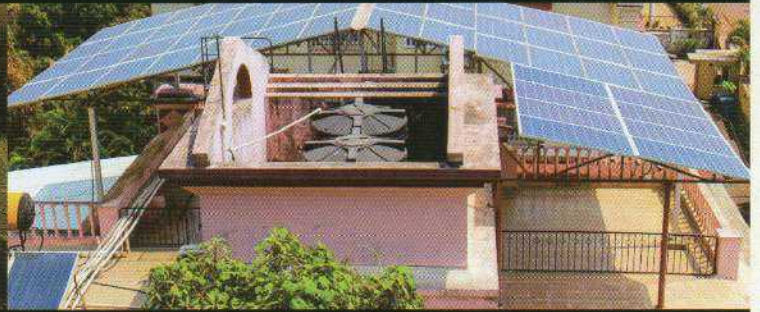
8KW system at Nagueshi Ponda



16KW system at Bandora on Sanjeevan old age home



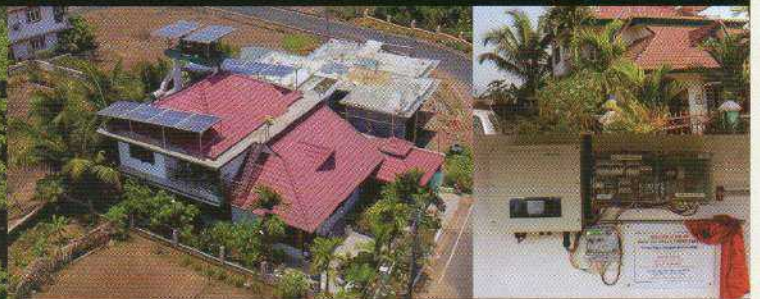
6KW system at Davorlim



14KW system at Donapaula



6KW system at Curtorim



8KW system at Muggali



20KW system on a Hotel in Vasco



10KW system at Fatorda


Rainbow Group



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