



## **DETAILED 3KWP – ONGRID SOLAR POWER PLANT PROPOSAL**



**PROJECTNAME:** RAJAN

**ADDRESS:** KANNUR

**PROJECT CAPACITY:**3KWp ONGRID SOLAR POWER PLANT

**SYSTEM:**SOLAR ONGRID POWER PLANT

**REFERENCENUMBER:**HVLS/JST/001010

**DATE:**24/07 /2026



# Solar Rooftop Solutions by Havells

One Stop Solution for all your Solar Needs



# WHO WE ARE

HAVELLS INDIA LIMITED , SP1 A rated MNRE Channel Partner and a leading US\$ 1.3 billion Fast Moving Electrical Goods (FMEG) Company. Today, Havells has a market capitalization over US\$10bn and is India's major power distribution equipment manufacturer with a strong global presence. Havells operations includes thirteen state-of-the-art manufacturing plants in India located at Haridwar, Baddi, Noida, Sahibabad, Faridabad, Alwar, Neemrana & Ghiloth; manufacturing globally acclaimed products, synonymous with excellence and precision in the electrical industry.

The company with a strong dealer & distribution network could expand its Solar business deep into metro & non metro markets with in a short period of time. With a good product spread & strong portfolio we are among the top 10 Solar Inverter company in India. We have sold more than 300 MW of OnGrid Solar String inverters since launch. The wide range of inverters from 1kW to 250Kw serves to requirement of each category of customer. Today Havells Solar is considered a preferred brand in both residential & commercial space. We have the privilege of executing some of the world class solar rooftop projects. More than 25000 roofs have Havells Solar Roof top Solution with IEC Certified Havells Solar Panel. The installation ranges from 1kW to 4MW on a single roof.

We have strong service network spread across 700 districts in the country. Each of the state has more than one warehouse to deliver stocks on time & handle service requirements within the required SLA. Havells is one of the largest solar DC/AC cable manufacturers in India. The cables are being Manufactured at Alwar, the largest integrated cable factory. More than 90% of the products are being manufactured in house.



# OUR PROJECTS

Havells is a One Stop Solution provider. From designing to execution Havells is proud to associate with some of the marquee solar projects in the country. Havells is one of the top 5 EPC in the country. With a strong team of technocrats and deep technical knowledge, Havells team have commissioned both ground mount & rooftop systems.



GlenAppliances, Faridabad

Capacity 416kW



Motor/Lighting Plant, Neemrana

Capacity 1MW



GuruGovindSinghSchool, Mohali

Capacity 400kW



Salasar TechnoEngineering, Pilkhwa

Capacity 560kW



Katariya Polymer, Ahmednagar

Capacity 630kW



Chandpur Enterprises, Bijnor

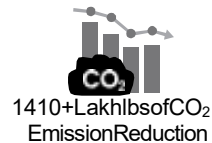
Capacity 851kW



150+MW  
of installation



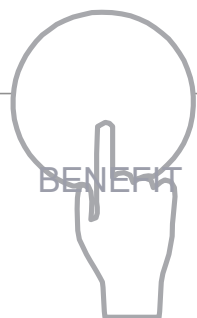
25000+ Numbers  
Solar  
Rooftop Solution



1410+ Lakh lbs of CO<sub>2</sub>  
Emission Reduction



44 Branches &  
700 Service Point



BENEFIT



Clean, sustainable  
renewable energy from  
the sun.



Thousands of rupees in  
savings & great return  
on investment.

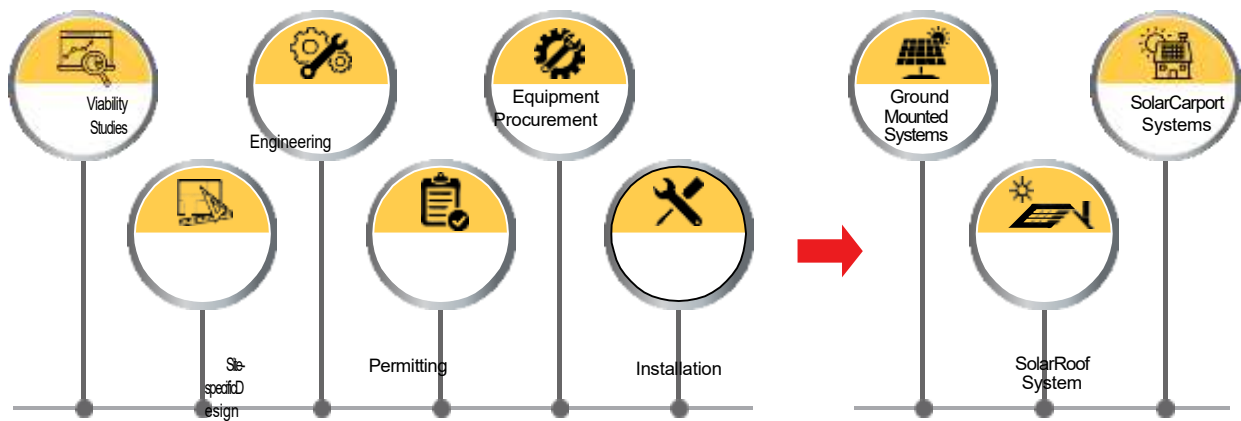


Our SYNC  
App allows you to  
monitor your entire

# WHAT OUR SERVICES

## End-to-End Solar Roof top Solution

Havells is one of the leading turn key EPC players in the country. With a team of over 70 Professionals across the country, design centre at Noida&Hyderabad and R&D at Bangalore the company offers end-to-end solution for On Grid Solar Roof top projects. Havells offers integrated solution to its customers where in the products are being designed, manufactured, installed & serviced by the in house team of Havells. A one stop solution from a single window, in-depth technical know how & capability of executing long term contract makes Havells as one of the preferred brand for customer.



# WHY HAVELLS SOLAR?

- One Stop Solution Provider – Design / Engineering / Manufacturing / Sales / Installation / Services
- High Credit Rating (AAA) – Financially stable company to hon our long term warranties.
- Customer Centric Company – Operation in India since 1971
- Engineering Capability - ASP1A Rated Renewable Energy Company
- Highly Engineered Havells Inverter – 10 Years Warranty .Other key components Panels / ACDB / DCDB / Cables / Switchgear / SPDs manufactured in house.
- Wide Reach for Sales & Service-Operation through 44 Branches across the country. 84 Numbers of authorized service centres. Ware houses in each state for inventory management.

Note: Available on EasyEMI.



Reliability & Performance



Value for Money



Prompt Service

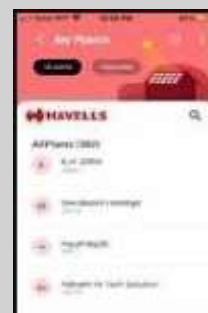


Warranty Assurance

## HavellsSync



Single Inverter Monitoring



Multiple Inverter Monitoring



Data Logger



### ENVIROTHREEPHASEGTi

50KT|60KT

- Models-EnviroGTi50KT-50kW&60KT-60kW
- ThreePhaseTHREEMPPT suitable for Commercial application
- High efficiency inverter up to 98.6%
- Built in DC Switch, DC SPD Type II
- 4 inch LCD display for generation data
- BIS and IECC Certified
- WiFi/GPRS Datalogger, RS485, RRCR Port
- SD card for 25 years data storage locally
- Anti-Reverse Power control (APRC) - Optional

IS 16221 (PART 2): 2015 / IEC 62109-2: 2011 / IS 16169: 2014 / IEC 62116: 2008



R41165239  
www.bis.gov.in

### ENVIRO SINGLE & THREE PHASE GTi

80KT|100KT

- Models-EnviroGTi80K-80kW&100KT-100kW
- ThreePhase, 8 to 10 MPPTs
- High efficiency inverter up to 98.7%
- Built in DC Switch,
- Inbuilt DC SPD Type II, AC SPD Type II
- WiFi/GPRS Datalogger, RS485
- IECC Certified

IS 16221 (PART 2): 2015 / IEC 62109-2: 2011 / IS 16169: 2014 / IEC 62116: 2008



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#### DC Distribution box

- IP65 Rated Polycarbonate box
- Type I IDC Surge Protection device
- DC Fuses for positive and negative inputs
- DC Fuse of 20A rating used
- Suitable for 1000VDC application

#### AC Distribution box

- Metal Enclosure powder coated
- Type I + II Surge Protection device
- Incoming MCB/MCCB as per required capacity
- Outgoing MCB/MCCB/ACB as per required capacity
- Multifunction meter with CTs (optional)

#### Solar PV Panel

- High-performance high-efficiency Poly/MONO PERC Modules are redesigned with 72 cells/144 half-cut cell configuration.
- 335Wp and 540Wp above
- 10 years of product warranty
- 25 years of linear power output warranty
- Extreme weather resilience
- Wind speed - 2400Pa, Snow load - 5400Pa
- Highly reliable anti-reflective coated glass
- 1500Vdc
- PID Resistant



## BILL OF MATERIAL WITH PRICE & STRING CONFIGURATION

|                                                                                                                                                                                                                                                     |            |             |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|-----------------|
| Bill Of Materials                                                                                                                                                                                                                                   |            |             |                 |
|                                                                                                                                                                                                                                                     |            |             |                 |
| <b>Main Components</b>                                                                                                                                                                                                                              | <b>Qty</b> | <b>Unit</b> | <b>Supplier</b> |
| <b>Modules</b>                                                                                                                                                                                                                                      |            |             |                 |
| 545Wp Havells Photovoltaic Module(HALFCUT BIFICIAL, DCR PANEL)<br>30-Year liner performance warranty,with a maximum degradation of 10% over the first 12 years,and an additional 10% over the remaining period. Onsite Service Support from Havells | 6          | Nos         | Havells         |
|                                                                                                                                                                                                                                                     |            |             |                 |
| <b>Solar Inverter</b>                                                                                                                                                                                                                               |            |             |                 |
| Solar Grid tied EnviroGTi 3KWp Single Phase Grid Tied Inverter<br>10Years Standard warranty – <b>Onsite Service Support from Havells</b>                                                                                                            | 1          | Nos         | Havells         |
|                                                                                                                                                                                                                                                     |            |             |                 |
| <b>DC Distribution Box</b>                                                                                                                                                                                                                          |            |             |                 |
| Havells Solar DC distribution box with Suitable SPD , Isolators , PV Fuses for Protection of DC Current/ Voltage.                                                                                                                                   | 1          | Nos         | Havells         |
|                                                                                                                                                                                                                                                     |            |             |                 |
| <b>AC Distribution Box</b>                                                                                                                                                                                                                          |            |             |                 |
| Main AC distribution box with 1Nos. Class I+II Surge protective device, with Incoming MCB & Outgoing MCB with SPD Protection.                                                                                                                       | 1          | Nos         | Havells         |
|                                                                                                                                                                                                                                                     |            |             |                 |
| <b>Cables</b>                                                                                                                                                                                                                                       |            |             |                 |
| From PV Module T o L T Panel                                                                                                                                                                                                                        |            |             |                 |
| 1CX4Sqmm DC Solar cable                                                                                                                                                                                                                             | Req.       | RM          | Havells         |
|                                                                                                                                                                                                                                                     |            |             |                 |
| <b>Earthing kit</b>                                                                                                                                                                                                                                 |            |             | Excel earthing  |
| <b>Module Mounting Structure</b>                                                                                                                                                                                                                    |            |             |                 |
| <b>GP Structure</b>                                                                                                                                                                                                                                 |            |             | TATA GI         |
|                                                                                                                                                                                                                                                     |            |             |                 |
| <b>Monitoring</b>                                                                                                                                                                                                                                   |            |             |                 |
| WIFI Modem for Remote monitoring of the Power Plant                                                                                                                                                                                                 | 1          | Nos         | Havells         |



## FINANCIAL ANALYSIS

For Supply ,Installation and Commissioning of Solar Power Plant

| SLNO. | SOLAR ON GRID SYSTEM                                                             | UNIT PRICE (INR) | QTY. |
|-------|----------------------------------------------------------------------------------|------------------|------|
| 1     | Design , Engineering &Supply, Installation of 3kw SolarOnGrid System power plant | 2,20,000/-       | 1Set |
|       | subsidy                                                                          | 78000/-          |      |

PAYMENT TERMS:80% UPON DELIVERY OF MATERIALS 20% UPON COMPLETION OF INSTALLATION

### PLEASE NOTE

- The detailed project layout shall be provided after receiving order confirmation.
- Any statutory variation in taxes and duties from the date of submission of this proposal including change of rates for Solar PV System and/or its parts/ components/ equipment under GST, imposition of Antidumping Duty (ADD) and/or Safeguard Duty (SDD) on imported modules and cells by the Government of India would be to the clients account and shall be payable by the client at actuals.
- **KSEB Registration & feasibility fees of amount Rs.1000Plus18%/KW&1000+Tax Tax is under the Client Scope of work.**
- Net meter charges if applicable will be the client scope of work.
- Electrical inspectorate and liaison charges (if applicable) will be client scope
- Contract demand /connected load enhancement for electrical Inspectorate /kseb requirement is under customer scope
- AC side termination will be under customer scope
- Additional cabling charge if required
- CEIG Fees If required
- This offer is valid for 30Days from the date of this offer

**EXCLUSION**

- Module cleaning system
- Free power and water for construction
- Spare feeder panel enclosure at LT panel for evacuation of power
- Customer to ensure roof load bearing capacity of 20 – 25 kg / sqft  
For GI sheet roofs and load bearing capacity of 60-65 kg /m<sup>2</sup> for RCC roofs

**TIME REQUIREMENT**

The Approximate time requirement to install the entire system including KSEB application /approval procedure 21 days from the date of the order confirmation from the client

**SYSTEM INTEGRATER**

J STAR TRADE LINK DALIYA SQUARE BUILDING  
EDODI,VADAKARA PHONE NO:9497646475

**ACCOUNT DETAILS**

NAME :J STAR TRADE LINK  
BANK :UNION BANK OFINDIA  
BRANCH :THIRUVALLUR  
A/C NO:009725140000003  
IFSC CODE:UBIN0900974



