



**Proposal for Turnkey Service of  
25 KW Rooftop Commercial  
Solar PV Power Plant**

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**Sample**

Kamthi H.o, Nagpur Moffusil, Nagpur, Maharashtra  
441001

chetananilgoyal@gmail.com || +91-9049916665, 9599091534



25 KW Solar PV Power Project For  
Sample



To  
Sample

Date: 5th Aug 2019

**Proposal Ref.No:** GS/RT-C/S-79

**GOYAL SOLAR**

Goyal Solar provides Turnkey EPC Solar Renewable Green Energy Solutions from Concept to Commissioning for solar PV Installation Services of Rooftop Project. Quick project completion time and industry high generation levels are reflective of the high quality benchmarks set by our Enterprise in India's solar photovoltaic space. We integrate cutting edge solar technologies and equipments into our projects to increase generation and work to ensure the highest levels of client satisfaction through our support system. Goyal Solar enables you to make electricity an income, not expenditure by going solar.

Our vision is to accelerate India towards renewable green energy revolution by adopting clean energy -SOLAR ENERGY & Our Mission is to create awareness about Solar Energy in India, & to enable Solar Photovoltaic Power System on every Individual Rooftops in his Own capacity.  
We will MAKE YOUR ROOF WORK FOR YOU!

Goyal Solar is a startup done by team of professional Engineers with a vision to accelerate India towards renewable green energy revolution. The company has earned recognition for undertaking large, complex projects, fostering innovation, embracing emerging technologies, and making a difference for their clients, employees and community.



## Key Design Inputs

- Size of Project: 25 KW
- High Rise Structure
- Grid Tied String Inverters
- Polycrystalline Modules / Mono Crystalline

## Net Metering

The electricity / power generated from the solar PV powerplant will be supplied to grid under the net metering policy. The electricity supplied to grid is recorded through bidirectional meter which takes the import as well as export record while unidirectional solar meter gives the reading of immediate generation from solar plant itself. In net metering the extra units supplied to grid are adjusted with the consumption of electricity made by consumer through grid in the same financial year.

## Completion Timeline

The Project shall be commissioned within 45 days from commercial order date under the Net Metering Policy. The power that's generated by the plant shall be utilized in the facility itself thereby saving on the electricity cost from the electricity board.

## Area Requirement

As per the Capacity, approximately total 250 square mtr shadow free area or 2700 sq ft shadow free area on RCC roof will be required. Taken approx 1kW= 10 sqmtr (108 sqft). Area Will be Calculated according to Site Survey.



## Scope Of Work

The scope of work includes turnkey solution from concept to commissioning of Solar PV Plant. Complete EPC (Engineering Design, Procurement and Erection) & installation of the projects includes -

- o Feasibility Analysis and preparation of DPR.
- o Complete Design and Engineering of the project.
- o Supply of Material for total 25 KW Rooftop Solar Power Project.
- o Complete Installation of 25 KW Rooftop Solar Power Project.
- o Commissioning under state (Maharashtra) Net Metering Scheme
- o Complete liaison for Government approvals.
- o Comprehensive Operation and Maintenance

## Cost Of Project

•Gross amount of the project is INR 1,59,000 in words one lakh fifty nine thousands Rupees only. This amount inclusive of all applicable taxes.

### NOTE

*The turnkey Service includes Design, Manufacturing, testing, Supply, Installation & Commissioning. The Above prices are as per the prevailing tax rates.*

*1. If safeguard Duty will be applicable on Modules in India, it shall be borne by client as per actual.*

*2. Any changes in taxes shall be borne by client as per actual. The above prices are applicable for 1 USD = 72 rupees +/- 1%. The prices shall vary as per the dollar.*



**Bill of Material (BOM) of Supply of Equipments**

Sr No.	Items	Description
1	Modules	Waree 325/330 Watt
2	Inverters	Power-One / Waree
3	Structure	High Rise Rooftop
4	Cables	Polycab
5	Junction Boxes	Samptel ACDB + DCDB
6	Earthing And Protection	4 Pits
7	Meter	Meter+GM+Cts
8	Accessories	Standard
9	Transport	As Actual
10	Services	Standard
11	O & M	2 Years

**Warranty**

1. PV Modules - 10 years limited based manufacturer warranty & 25 years Performance Warranty as per manufacturer . Strictly No Physical Damage included by any means.
2. Inverters - 5 years limited warranty
3. BOS - As per manufacturer warranty

The warranty will be Subjected to the provision that the unit will never be opened in absence of Goyal Solar Engineer to make any changes or repairs without your prior written approval within the Warranty period. Warranty Period by Goyal Solar will not Cover Damages due to Lightning & over-Voltage.



## **Payment Terms**

1. 50% Advance with order confirmation
2. 40% on receipt of Material on Site
3. 10% against Installation and commissioning of Plant

## **Operation & Maintenance (O&M)**

- Goyal Solar will do the comprehensive Services without any supply of Material.
- Our Engineer will visit in Every 3 Months once & if there is any problem & do complete O&M of the plant for first Year from Date of commissioning.
- Under our O&M Services, We Will provide routine & breakdown maintenance of the Plant & entire arrangements.
- The O&M Includes Only Services. No Physical damage or Supply of Material is done by us.
- The O&M Charge will be 2% of the total project Cost which shall start from the start of Third year to be escalated at 4% at each Subsequent year. {OR you can also opt for AMC}
- Cleaning of Solar PV plant Will be in Customer Scope

## **Validity**

The offer shall be valid for acceptance upto 15 days from the proposal date

## **At Your Service**

We thank you for giving us opportunity to work with you for setting up a Solar Photovoltaic Plant. Please feel free to contact undersigned for any query regarding this proposal. For Demonstration, Visit Our Office



## **Guidelines for Clients**

1. Washing of modules to be done atleast twice in a month using water jet. Supply of RO water for washing shall be in scope of client.
2. Training will be provided to one of your personnel for basic operation of Solar PV system.
3. In case of criticality, remote support from our service engineer will be provided. Service engineer shall visit within 72 hours after official intimation.
4. Internet connection and basic PC availability required for Remote monitoring of the Solar PV system as part of the O&M.
5. Electricity & Water shall be provided by client during the construction .
6. Point of termination at LT panel to be provided by client.
7. Roof access to be provided at the site by the client.
8. Harmonics should be in the desired range.

Thanks And Regards.

## **For Goyal Solar**

Chetan Goyal  
Director  
Goyal Solar  
Goyal Talkies Chowk  
Friday Market Kamthi, Nagpur-441002  
Maharashtra  
M: +919049916665