



**Greentek India  
Private Limited**

## **Proposal for 97 KWp Solar On-Grid Power Plant System**



M/s. GREENTEK INDIA PVT LTD  
Plot # 8, Lepakshi colony  
West Marredpally, Secunderabad -500026  
Tel: 040-27807145 / 040-65198519

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Solar Proposal:  
GIPL/SPV/SECI/030/2017-18  
Dated: 04/10/2017

**Greentek India Pvt. Ltd.**

To,  
**KLN Engineering College  
Madurai**

**Proposal for 97 kWp Grid Tied Captive Solar PV Power Plant**

**Customer details:**

<b>Name:</b>	<b>KLN College</b>
<b>Address:</b>	Madurai, Tamil Nadu
<b>Contact Person:</b>	Logan thurai
<b>Mobile:</b>	88259 47853
<b>Email:</b>	

**Site details:**

<b>Address:</b>	Madurai, Tamilnadu
<b>Longitude:</b>	80.244° E
<b>Latitude:</b>	13.11° N
<b>Rooftop / ground mounted:</b>	Rooftop – mounted on the building's rooftop
<b>Type of roof / soil:</b>	Flat Terrace
<b>Availability of water:</b>	Yes
<b>Shading:</b>	Area selected is net of shade from building

**Load details:**

<b>Connected load:</b>	N.A.
<b>Contracted demand:</b>	N.A.
<b>Maximum demand:</b>	N.A.
<b>Type of connection:</b>	Grid
<b>Phases:</b>	3 Phase
<b>Supply sub-station</b>	NA
<b>Electricity consumed</b>	

**Existing power backup:**

<b>DG / Inverter:</b>	DG
<b>Capacity:</b>	- KVA
<b>Connected load:</b>	- KVA

**Proposed system:**

<b>Type of system:</b>	Grid tied system of 97 kWp capacity with solar Priority Requires an additional source of power –Grid or DG for functioning (it cannot run in standalone mode)
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**Commercial terms:**

<b>Price basis:</b>	FOR site
<b>Validity:</b>	30 days from submission of the offer.
<b>Taxes &amp; duties:</b>	GST @ 5%, 18%, 28% Service tax @ 18%
<b>Placement of order:</b>	Purchase Order will be placed on the Gross value of the System (including subsidy) Purchaser order should be placed upon us along with the advance payment as mentioned in the terms of Payment. Purchase order shall be considered effective from the date of receipt of advance payment along with commercial terms acceptable to us No binding contract shall be deemed to have been effected by the acceptance on the part of the purchaser of a quotation or offer made by us until such contracts have been confirmed in writing through order acceptance by us Orders once placed with us cannot be cancelled by purchaser on any account whatsoever
<b>Delivery schedule:</b>	As per project timeline
<b>Payment terms:</b>	As a percentage of the Net Value of System - 100% advance along with PO
<b>Warranty:</b>	- 25 years for SPV modules - 2 years for balance of system

**Annexure – I**

**System specs**

Item	Details	Make	25KWp
SPV Modules	Mono/Poly crystalline silicon modules	Greentek India Pvt Ltd	325Wp x 298 Nos
Module mounting Structure	MS galvanized	Reputed makes	97 kWp
Inverter	High efficiency 3-Phase Grid Tied Solar String Inverter	Growatt/Polycab / Equivalent	Suitable for 25 kWp x 4Nos
Cables	Cu / Al - BIS standard	Polycab / KEI	As per site
LT Switchgear	BIS standard	ABB / Legrand / L&T/ Schneider	As Required
Other hardware & electricals (incl. earthing & lightning protection)	BIS standard	Reputed makes	1 set
Installation	MNRE standard	Greentek India Pvt Ltd	Included
Freight	For Site		

*System Requirements and Design will be as per MNRE / SECI project installation policies.*

### Return on Investment

Item	Unit	Value
System Size	KWp	97
System cost	Rs	69,84,000.00
Subsidy On the system	Rs	17,46,000.00
Net cost after Subsidy	Rs	52,38,000.00
Avg. solar units generated	Units /Years	1,24,160
Variable Cost of Power (Assuming 100 % EBusage @INR 10/ unit)	Rs/ unit	10.00
Avg. savings per year	Rs/ year	9,31,000.00
Assumed increase in EB+DG tariff	%	5%
Payback period	Years	3.22
Project life	Years	25
Savings of project life	Rs	23,27,500.00
Projected Simple IRR	%	35.99%
Rooftop area required	sqft	7,800
Generation Cost Per Unit On System Cost Before Subsidy(On Total Units For 25years)	Rs/Unit	1.84
Generation Cost Per Unit On System Cost After Subsidy(On Total Units For 25years)	Rs/Unit	1.288
Generation Cost Per Unit On System Cost After Subsidy and Tax AD(On Total Units For 25years)	Rs/Unit	1.288

**Note:** Additional cost will be charged for customized Structure depending up on the requirement of elevation. Technical calibrations considered for this offer are for budgetary purpose. During the execution final quantity may vary as per the actual site situation and final design.

The beneficiary has to make his payment through Cheque/ Demand Draft/ RTGS only no cash payments will be accepted.

#### **Bank Details:**

M/s. Greentek India Private Limited  
Kotak Mahindra Bank , A/C NO: 05522000005884  
IFSC : KKBK0000552, Somajiguda BRANCH, Hyderabad

We hope the above is in line with your requirements. In case of any clarification, kindly feel free to contact us.

Thanking you and assuring you of our best attentions at all times to come.

For Greentek India Pvt Ltd.

Sandhosh Kumar  
Regional Manager | South India  
90031 32081