



**PROPOSALS (TECHNOLOGY DEVELOPMENT)**  
**Upper Cap Funding Rs.1,00,000**



<b>SEG Name</b>	:	Rural Energy Systems
<b>SEG Contact Details</b>	:	Prof. P. M. V. Subbarao, Indian Institute of Technology, Delhi
<b>Proposal Id</b>	:	C-15745/MH/SOL/RESS/1LAKH/1
<b>Title of the Technology</b>	:	Maintenance of Solar Street Light & Installation
<b>Amount Requested For</b>	:	100000
<b>Date of Proposal Submitted</b>	:	15-07-2023
<b>PI Contact Details</b>	:	Swanand Gajanan Kulkarni, swanand293@gmail.com, 7875212835
<b>State</b>	:	Maharashtra
<b>District</b>	:	Solapur
<b>Village Name</b>	:	Gadegaon
<b>Current Status</b>	:	Rejected by SEG's

<b>Proposal submitted by</b>	Skn Sinhagad Colleg of Engineering Korti Tal Pandharpur Dist-Solapur	<b>RCI</b>	Indian Institute of Technology, Bombay (AISHE Code:-U-0306)
<b>Name of College/Institution</b>	Skn Sinhagad Colleg of Engineering Korti Tal Pandharpur Dist-Solapur (AISHE Code:-C-15745)	<b>State</b>	Maharashtra
<b>District</b>	Solapur	<b>Village Name</b>	Gadegaon
<b>Block</b>		<b>Date of submission</b>	15-07-2023
<b>Coordinator Name</b>	Swanand Gajanan Kulkarni	<b>Email ID</b>	swanand293@gmail.com
<b>Mobile No</b>	7875212835	<b>Principal Investigator</b>	Mr Sumeet Sambhaji Ingole
<b>Email of Principal Investigator</b>	sumeet.ingole@sknscoe.ac.in	<b>Mobile No of Principal Investigator</b>	9975051001

## Proposal Overview

<b>Subject Expert Group:</b>	Rural Energy Systems
<b>Title Of Technology:</b>	Technology Development
<b>Village where it is to be implemented</b>	Gadegaon

<b>Objective</b>	Lighting up the road and streets in remote areas that do not have access to the conventional electricity network, literally lights up the lives of the people who live there. Light after sunset enhances the quality of their lives in many ways: it makes their living environment a safer place; it gives them the opportunity to continue economic activity after dusk and engage more in (outdoor) social activities. In short: it increases their sense of well-being. All of the respondents in the research into the Guiyang project indicated that the solar driven LED road light brings safety to them. Snakes and thieves are the most unsafe aspect at night in Gadegaon Village.
<b>Funds Raised from Gram Panchayat</b>	Gram Panchayat
<b>Details of the funds raised from other agencies</b>	NO
<b>Describe your role at various stage of the Project</b>	1. Maintain Positive & Strong Relation with People of Gadegaon. 2. To Give Moral Support to the GADEGAON GRAMPANCHAYT under Unnat Bharat Abhiyan. 3. Collection of Solar Street Light Specification Along with Budgets 4. We will Finalized the work plan & Timeline of this project along with our Team members
<b>Describe your role at various stage of the project</b>	A basic solar powered LED street light system components are: 1. Solar Panel or Photovoltaic Module 2. Lighting Fixture – LED lamp set 3. Rechargeable Deep Cycle Battery (Usually Li-Ion battery) 4. Solar Charge Controller 5. Light Pole
<b>Impact on village/ Beneficiaries</b>	
<b>How to maintain future sustainability of installed technology in the village</b>	stand-alone (off-grid) solar street lights are the only options in rural areas without a grid. A village solar street light can improve the scope of small-scale businesses to a large extent. A solar street light lasts much longer than traditional street lights. Hence, frequent replacement is off the table. All these factors make a solar street light in village a cost-effective option.
<b>Impact of this work on learning of Students /Teacher</b>	students can get idea about work culture of sponsored projects, Team Management, skill Management effectively.
<b>Role of PI after compilation of the project duration</b>	Routine followup by Faculty Members, have a daily Communication with the team.
<b>Supporting Document</b>	<a href="#">View Document</a> <a href="#">View Prototype</a>

## Total cost of the Product / Technology

S.No	Categories of Fund	Total cost of the Product / Technology
1	Site Preparation Cost	15000
2	Equipment/Machinery cost	30000
3	Running Cost	15000
4	Manpower Cost	5000
5	Electricity Cost	20000
6	Miscellaneous Expense	15000
Total		100000

## Observation / Comments

Comment By SEG	This section is Technology Development. The installation/ maintenance of systems is not covered in this section. <a href="#">Date:15-08-2023</a>
Comment By PI	All documents are submitted. Please verify. <a href="#">Date:15-07-2023</a>