



**SELCO Foundation – Call for Vendors**  
**Implementation of Cool Roofs X Urban Program in Maharashtra & Odisha.**

**SELCO Foundation – Procurement Officer**  
**690, 15<sup>th</sup> Cross Rd, Jeewan Griha Colony, 2<sup>nd</sup> Phase,**  
**J P Nagar, Bengaluru, Karnataka 560078**

Email : [procurement@selcofoundation.org](mailto:procurement@selcofoundation.org)

**SELCO Foundation Hereby Invites Bids for Implementation of Cool Roofs X Urban Program in Nagpur (Maharashtra), Bhubaneswar & Puri (Odisha).**

The detailed tender document can be downloaded from 13-11-2025.

<https://selcofoundation.org/tender/>

Bids, as per the terms and conditions herein should be submitted through the online form

(E tender)

<https://forms.gle/TT8ofurRQQXeRn6A8>

by 5 pm on or before **28-11-2025**.

**Chief Executive Officer**

**SELCO Foundation**



## **SELCO FOUNDATION**

**TENDER NOTIFICATION FOR IMPLEMENTATION OF COOL ROOFS X URBAN  
PROGRAM IN NAGPUR (MAHARASHTRA), BHUBANESWAR & PURI (ODISHA)**

### **TENDER DOCUMENT**

Address for Communication:

SELCO Foundation

#690, 15<sup>th</sup> Cross Rd, J P Nagar – 2<sup>nd</sup> Phase

Bangalore, Karnataka – 560078

Telephone: 080-26493145

e-mail: [procurement@selcofoundation.org](mailto:procurement@selcofoundation.org)

### **DISCLAIMER**

NIT No: 16/2025-26

This tender by SELCO Foundation is for the Bidders to **Implement of Cool Roofs X Urban Program in Nagpur (Maharashtra), Bhubaneswar & Puri (Odisha).**

#### **NOTE:**

SELCO Foundation has the right to award the work under this tender to single or multiple vendors provided that the applicant Bidder meets the criteria based on the suitability of the proposed methodology, relevant background and expertise along with the quote submitted towards this tender.

Though adequate care has been taken while preparing this Notice Inviting Tender (NIT) document, the Bidders are requested to satisfy themselves as to the completeness of this document in all aspects. Intimation of any discrepancy shall be given to the email address mentioned above immediately. If no intimation is received from any Bidder within seven (7) days from the date of this NIT, it shall be considered that the NIT is complete in all aspects and has been received by the Bidder.

SELCO Foundation reserves the right to cancel/ withdraw this NIT without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.

SELCO Foundation reserves the right to modify, amend or supplement this NIT.

While this NIT has been prepared in good faith, neither SELCO Foundation nor their employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this NIT.

**SELCO FOUNDATION**

#690 15th Cross J P Nagar 2nd Phase  
Bangalore - 560078  
Telephone: 080-26493145  
e-mail: [procurement@selcofoundation.org](mailto:procurement@selcofoundation.org)

TENDER No: 16/2025-26

Dated 13-11--2025

**NOTICE INVITING TENDER**

**Chief Executive Officer of SELCO Foundation, Karnataka State, India hereby invites bids for the Bidder for Implementation of Cool Roofs X Urban Program in Nagpur (Maharashtra), Bhubaneswar & Puri (Odisha)..**

|   |                                             |                             |
|---|---------------------------------------------|-----------------------------|
| 1 | Tender Ref No.                              | 16/2025-26                  |
| 2 | Last date & time for the bid submission     | 28-11-2025, 5:00 PM         |
| 3 | Opening date of Technical and Financial bid | 29-11-2025,11:00 AM         |
| 4 | Venue of Opening of tenders                 | SELCO Foundation, Bangalore |

Interested and eligible bidders may furnish the Technical & Commercial Bids for this tender **for Implementation of Cool Roofs X Urban Program in Nagpur (Maharashtra), Bhubaneswar & Puri (Odisha)** through the online form (E-tender)

Google form link: <https://forms.gle/TT8ofurRQQXeRn6A8>

Any further information or clarification may be obtained either in person or through phone during office hours from the office of the SELCO Foundation Ph: 080-2649 3145 or through the email – [procurement@selcofoundation.org](mailto:procurement@selcofoundation.org).

## INSTRUCTION TO BIDDERS

SELCO Foundation's mission is to create a platform of solutions that are climate smart to bridge environmental sustainability and poverty alleviation. With holistic development as the primary focus, the organization strives to create equitable societies, where services are accessed by all communities. The interventions of SELCO lead to a sustainable delivery model of essential services like livelihoods, and health till the last mile.

### 1. About Cool Roofs X Urban Program

Urban areas in India face rising temperatures and the urban heat island effect, which disproportionately impact Economically Weaker Sections (EWS) and Low-Income Group (LIG) communities. Conventional roofs absorb and retain heat, increasing indoor temperatures, energy costs and health risks. The Cool Roofs X Urban project by SELCO Foundation addresses these challenges by promoting sustainable, energy-efficient cool roof solutions that enhance thermal comfort, reduce energy demand and improve overall well-being.

Targeting EWS and LIG households and small micro-businesses in Nagpur, Bhubaneswar and Puri. The project combines reflective coatings, insulated panels, ventilators and basic cooling appliances with co-design, training and monitoring. By tracking performance and engaging beneficiaries, the project demonstrates scalable strategies for urban climate resilience, energy savings and improved quality of life for vulnerable communities.

### 2. Observations

- EWS and LIG households and micro-business in Nagpur, Bhubaneswar and Puri face high indoor heat stress due to conventional metal and RCC roofs without insulation.
- Poor ventilation and limited access to affordable cooling devices increase discomfort and health risks.
- Many homes are structurally suitable for cool roof and ventilation retrofits.
- Local vendors exist but require technical guidance for correct material application and installation.

### 3. Project Impact

- *Thermal Comfort & Health:* Cooler indoor environments will reduce heat stress and improve well-being for households and micro-businesses.
- *Energy Savings:* Use of passive cooling and efficient appliances will lower energy use and costs.
- *Climate Resilience:* Demonstrates scalable, low-cost solutions for mitigating urban heat island effects in vulnerable communities.

### 4. Geography / Focus Areas

| Location            | Total Units | Small (80–150 sq.ft) | Medium (300–400 sq.ft) | Large (400–500 sq.ft) |
|---------------------|-------------|----------------------|------------------------|-----------------------|
| Nagpur              | 30          | 10                   | 10                     | 10                    |
| Bhubaneswar         | 25          | 8                    | 8                      | 9                     |
| Puri                | 25          | 8                    | 8                      | 9                     |
| Total Installations | 80          | 26                   | 26                     | 28                    |

### 5. Scope of Work

The scope of work is divided into two main components:

- **Soft Component** - Activities related to Survey, Site selection, Planning, Design, Monitoring, Documentation.
- **Hard Component** - Physical implementation, construction activities at sites and handover.

## **I. Soft Deliverables**

### **a. Site Selection & Survey:**

Identify 80 suitable EWS/LIG households and micro-business sites in Nagpur(30nos), Bhubaneswar(25nos) and Puri(25nos) through field surveys and roof assessments as per below category

*Housing-* Central & State scheme houses; EWS and LIG community households

*Micro-businesses-* small shops, micro-business run by EWS and LIG community members

### **b. Design & Material:**

Finalize intervention type (cool roof paint, tiles, PUF panels or insulation) and ventilation layout based on site conditions and thermal needs.

- Existing drawing
- Proposed drawing (If different from existing)
- Identify, evaluate and finalize materials

### **c. Monitoring & Documentation:**

Maintain progress records, photographs and data for each site and support thermal performance monitoring and post-installation evaluation (Immediately after installation).

### **d. Reporting & Coordination:**

Submit weekly updates and milestone reports; coordinate closely with SELCO Foundation for reviews, troubleshooting, and dissemination.

The bidder (implementing partner) shall work with the supervision of the SELCO Foundation team to ensure quality installation as per the approved scope.

- Weekly review meetings and 1-2 field visits per month by SELCO Foundation.
- Weekly progress reports, including photos and milestone updates, will be submitted to SELCO Foundation for review.

## **II. Hard Deliverables**

### **a. Construction & Installation:**

Carry out complete installation of cool roof and ventilation interventions, including civil, structure and electrical works which includes installation of BLDC fans and exhaust fans.

### **b. Quality Assurance:**

Ensure workmanship, durability, waterproofing and safety standards through regular inspections and verification by SELCO Foundation.

### **c. Site Finishing & Handover:**

Clean sites post-work completion, remove debris and ensure the construction is safe, functional and handover to beneficiaries.

## 6. Evaluation Process

- Continuous tracking through weekly meetings and field visits.
- Performance metrics include number of cool roofs installed and cooling performance achieved.
- Payment dependent on submission of required documentation: photos, videos, case studies, technical/financial reports.
- Learning review to assess user engagement, cooling impact, and areas for improvement.

## 7. End user criteria

- Housing- Central & State scheme houses; EWS and LIG community households
- Micro-businesses- Small shops, micro-business run by EWS and LIG community members

## 8. Documentation Required

- Photo/video documentation for each installation
- Documentation of each installation
- Benchmarking document for all solutions
- Tech datasheet and cost-benefit summary per pilot
- End-user case studies

## 9. Deliverables and Timelines:

- Total Duration: 4 months

### Soft Component

| Component                      | Description                                                                                                                                                        | Units                                                             | Output Indicator                                    | Timeline               |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------|------------------------|
| Site identification & survey   | Conduct surveys, record summer temperature and establish baseline thermal data                                                                                     | Finalized list- 80 sites (Nagpur - 30 Bhubaneswar - 25 Puri - 25) | Final list of beneficiaries identified              | December 2025          |
| Design & material finalization | Finalize intervention type (cool roof paint, tiles, insulation), ventilation layout and materials based on site conditions; prepare existing and proposed drawings | 80 sites                                                          | Approved design layouts and finalized material list | December-February 2025 |
| Monitoring & reporting         | Maintain records, photos and submit progress reports                                                                                                               | 4 reports- 1 each month                                           | Monthly updates submitted                           | December-February 2025 |
| Documentation & dissemination  | Prepare final report, case studies, social media updates and conduct outreach events                                                                               | 80 units (Nagpur - 30 Bhubaneswar - 25 Puri - 25)                 | Final implementation report with end users details  | March 2026             |

## Hard Component

| Component                   | Description                                                                         | Units                                                             | Output Indicator                     | Timeline                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction & installation | Conduct surveys, record summer temperature and establish baseline thermal data      | Finalized list- 80 sites (Nagpur - 30 Bhubaneswar - 25 Puri - 25) | Completed and verified installations | <ul style="list-style-type: none"><li>• 5 units- December , 25</li><li>• 30 units- January, 26</li><li>• 35 units- February, 26</li><li>• 10 units- March,26</li></ul> |
| Quality assurance           | Ensure workmanship, safety, natural calamity proof checks & waterproofing standards |                                                                   | Quality reports submitted            |                                                                                                                                                                        |
| Site finishing & handover   | Final cleaning, checks & beneficiary handover                                       |                                                                   | Completion & handover to end users   |                                                                                                                                                                        |

- Start Date: Site work must begin within 7 days of signing the agreement.
- Activities include: site surveys, design-material selection, installation of cool roof interventions with civil-structure-electrical, fan and ventilator installation, monitoring, documentation and final handover.

### Note:

Orientation and review sessions will be conducted at key milestones before implementation, mid-way, and post-completion.

## 10. Cost of bidding

The bidder shall bear all costs associated with the bid preparation and submission to the Chief Executive Officer. SELCO Foundation will not be liable for these costs, regardless of the conduct or outcome of the bidding process.

The bidder must sign all the pages of the documents as a token of acceptance of all terms and conditions in case applying offline.

Bidder can apply for entire scope or partial scope based on the Geography locations.

## 11. Commercial Terms

### a. Format and Signing of Bid

The bidder shall give a set of signed and scanned copies of all the documents through the Google Form link provided in Annexure 1.

### b. Pre- Bid Meeting

A pre-bid meeting can be arranged either via online mode or physical meetings at SELCO office. The organizations should send a questionnaire prior to meeting and attend the Prebid meeting compulsorily when informed by SELCO.

### c. Deadline for Submission of bids

Bids must be received by SELCO Foundation not later than the time and date specified in the invitation for Bids (Section I). The SELCO Foundation may, at its discretion, extend this deadline for submission of bid by

amending the bid documents in which case all rights and obligations of the SELCO Foundation and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

**d. Tender Opening and Evaluation**

The technical & financial bids will be opened at the discretion of SELCO Foundation. The purchase committee may contact the bidders to seek clarifications on the proposed methodology and understanding of the scope of work submitted along with the technical bid. The financial bids of only technically qualified bidders will be opened. The Bidders Names, Bid Modifications, or Withdrawals, bid prices, Discounts and the presence or absence of the requisite details as the SELCO Foundation, at its discretion, may consider appropriate will be recorded by the Purchase Committee of SELCO Foundation. No bid shall be rejected at bid opening, except for late bids, which will be rejected.

**e. Proposal evaluation scores**

The proposals submitted by the Bidder firm will be evaluated and examined by an expert in-house committee through a scoring process. The final selection will rest with the competent authority of SELCO Foundation. Eligible/ Interested firms are requested to submit their applications towards the tender with all supporting documents listed through the Google form link Provided.

**f. Clarification of Bids**

During evaluation of bids, SELCO Foundation may, at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substances of the bid shall be sought, offered or permitted.

SELCO Foundation may invite shortlisted organizations to present their technical presentation and approach to a committee which will help SELCO Foundation in making final selection.

**g. Preliminary Examination**

The SELCO Foundation will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required information has been furnished, whether the documents have been properly signed, and whether the bids are generally in order. Arithmetical errors will be rectified on the following basis: If there is a discrepancy between words and figures, the lowest of the two shall prevail and the bid shall stand corrected to that effect. The SELCO Foundation may waive any minor infirmity or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any bidder.

**h. Acceptance or rejection of bids**

**Chief Executive Officer**, SELCO Foundation reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability or any obligation to inform the affected bidder or bidders of the grounds for the said action. Any bid with incomplete information is liable for rejection.

**12. Eligibility Criteria:**

- Minimum 3 years' experience in urban resilience, roof interventions or similar projects.
- Understanding of energy-efficient, climate-resilient and context-appropriate construction techniques.
- Knowledge of basic thermal comfort strategies for roofs and building materials.
- Ability to manage implementation, labor, site coordination, quality control, and timely delivery of projects.

### **13. Expected area of expertise:**

- Minimum 3 years' experience in Designing, implementing urban resilience programs or construction/retrofit projects for EWS/LIG communities including houses and micro-businesses
- Expertise in beneficiary identification, community mobilization, and site selection based on economic and technical criteria.
- Knowledge of passive cooling solutions and cool roof materials (e.g., reflective-paint, reflective tiles, PUF panels and other innovative materials) and energy-efficient cooling appliances (BLDC/exhaust fans).
- Ability to manage high-volume projects (targeting 80 units), including finding beneficiary, implementation, labor, multi-vendor coordination and quality control for timely delivery.

### **14. Selection Criteria:**

The proposal will be evaluated based on the following general areas:

- Prior work experience and project portfolio relevant to roof interventions or energy-efficient housing.
- Bidder to understand the core value and mission of the organization, SELCO Foundation.
- Bidder to have a qualified team with relevant experience.

The financial proposal will be evaluated based on approach & work plan, prior work experience, expertise, cost, and proposed payment terms.

**Note:** SELCO Foundation has the right to award the works under this tender to single or multiple Organizations and in multiple phases based on the best technical evaluation and financial proposal ascertained through this tender.

### **15. Terms of Contract**

Amongst other things, the relation between the SELCO Foundation and selected Bidder (collectively "Parties") will be governed by the following terms which will be incorporated in a formal Agreement. The contractual relationship shall commence on the date it is signed by all Parties and shall remain valid for 12 months unless changed and agreed by either party in writing.

- a. **Prices:** Prices provided by the Bidder, and accepted by the Foundation shall be considered as final and firm and will not be subject to escalation due to any variations in the prices of materials, labour and/or any other reasons which may occur while the order is being carried out (except any increase in costs due to a change in applicable taxes). The Project Costs shall be inclusive of all statutory duties & taxes applicable if any, such as GST, transport and accommodation, payable for the services rendered by Bidder. Refer Annexure 2 for Price Schedule.
- b. **Project Timelines:**
  - i. In the event of timelines not being met, or the bidder is not able to make the deliverables on time, the bidder shall explain the delay in writing to the SELCO Foundation and obtain written permission from the SELCO Foundation for such delay. In case of such explanation is not given and written permission is not sought by the bidder, and where the SELCO Foundation refuses to give permission for extension of timeline for any reason, the same shall be construed as "delay" in adhering to the timeline.

- ii. Any delay beyond a period of 10 days is subject to a penalty. The bidder shall be liable to pay a penalty equivalent to 2% and upto 10% of the fee payable. SELCO Foundation shall deduct this amount from the fee payable to the bidder.
- iii. A repeated delay of over 10 days in more than two (2) instances, is treated as non-adherence of the Agreement and the Foundation can terminate the relationship on the ground of repeated delay in deliverables.

**c. Payment Terms:**

**Will be based on deliverables and project being finalized. To be discussed and agreed upon.**

**Note:** For every tranche payment bidder has to provide Tax-invoice.

**d. Sub-contracting:**

If the bidder requires the services of subcontractors to perform any obligations under the Agreement, the Bidder shall obtain prior written approval of the SELCO Foundation. Any rejection or non-performance of the subcontractor shall not, in and of itself, entitle the Bidder to claim any delays in the performance, or to assert any excuses for the non-performance, of any of its obligations under the Agreement, and the Bidder shall be solely responsible for all services, obligations and deliverables performed by its subcontractors.

- e. Insurance:** In-Transit Insurance shall be arranged by the Contractor. Arrangement of transport is within the contractor's scope of work and the Foundation will not be responsible for any missing item or damage that is incurred before the material is handed over to the site representative. The Bidder will ensure insurance coverage and damage to Bidder service staff and subcontractors, foremen, masons, carpenters etc. by way of any accidents during the course of this engagement with the Foundation for providing the services covered under this agreement. Worker's compensation if any is to be borne by the Bidder themselves and shall insure by taking Policy., and is the sole responsibility of the contractor.

- f. Inspection, Checking, Testing:** The site works, construction material and testing or manufacturing covered by the Work Order shall be subject to inspection by the Foundation staff or its authorized representative without prior notice of any sort. Besides, the Foundation is also entitled to do a preliminary inspection at the manufacturing site of the Bidder by giving prior notice and collecting samples from the manufacturer or site for testing.

The Bidder shall provide free access to the Foundation during normal working hours at Contractor's or its sub-Contractor's works and place at their disposal, internal test reports, material/component test certificates, approved drawings, structural reports and other compliances etc and allow inspection by the Foundation on arrival at site. Even if inspections and tests are fully carried out by the Foundation, the Bidder shall not be absolved to any degree from their responsibilities to ensure quality of the products supplied and comply strictly with requirements of the Work Order at the time of delivery, construction timeline and commissioning and warranty/guarantee period. In any case, the works to be strictly in accordance with the timelines and recommendations of the Work Order failing which the Foundation shall have the right to reject goods and hold the Bidder liable for non-performance of contract.

Foundation will also have free access to seek any clarifications from contractor's service providers like designers, local engineers and supervisors, testing firms, consultants etc.

**g. Packing:** All materials (as defined in the BOQ) shall be dispatched by the Bidder adequately packed in appropriate packing which should be suitable for inland carriage and ensure complete safety of goods from any kind of damage during transport and subsequent storage at the job site. Any damages caused due to loading, unloading or poor handling methods need to be borne by the contractor.

**h. Standard Practice, Maintenance and training:** The Bidder shall have the detailed workplan always available on site displayed and transparent.

The Bidder must carry out the works with their own labour and under their own supervision and in the best workmanship and manner and he/she alone will be responsible for the payments of money to the suppliers, labours etc. and shall also indemnify Foundation from all consequences of any accident or delay in the project. No Labour below 18 years of age shall be engaged by Bidder for the assigned work under this contract.

The Bidder must manage overall technical supervision, monitor day to day activities and share weekly report updates on site progress via email communication with Foundation. The Bidder must, at his own expense, provide all the necessary equipment, tools and tackles, haulage power, consumables, etc. necessary for effective execution and completion of the works during site fabrication, erection and commissioning.

The Bidder will be deemed to have visited the site and satisfied themselves of all the geographical and work conditions existing and to have allowed in the Contract Sum for all matters concerning the Site and its surroundings ("Site Conditions") including but not limited to:

- A. Conditions on, below the surface of the ground, and surrounding the Site;
- B. Location of Water Table
- C. Conditions existing within buildings situated on or forming part of the Site;
- D. Conditions of access to, from, and within the Site for the purposes of carrying out the Works and taking their construction material.
- E. Heritage, preservation or other orders affecting the Site; including storage

Foundation will not be liable for any losses suffered by the Bidder as a result of Site Conditions.

**Electricity and Water:** The Foundation shall not be responsible to cover any extra costs incurred by the Bidder which is not quoted in the unit rates.

**Access to Site:** In the absence of a road/ access route directly to the site, the Bidder shall manage all transportation and labour for material, equipment etc transfer within the quoted unit rates. The Foundation shall not be responsible to provide for or cover any extra costs incurred by the Bidder towards access to site. All such costs shall be estimated by the Bidder and included in the unit rates.

The Bidder shall follow the legislation as applicable for labour laws, taking relevant permissions and sanctions and wages, site conditions and safety precautions, and indemnify the Foundation from any claims on it due to non conformance to these conditions.

**i. Suspension of works:** If in the opinion of the Foundation, any work has been executed with unsound, imperfect or unskilled workmanship, or with materials of any inferior description, or any materials or articles provided by the Bidder for the execution of the work are unsound, or of quality inferior to the contracted one, the Bidder shall on demand in writing from the Foundation specify the work, materials or articles complained about or, notwithstanding that the same may have been inadvertently passed, certified and paid for, forthwith suspend or pause work on the site, based on the Foundation's request

and rectify or remove and reconstruct the work so specified and provide other proper and suitable materials or articles at their own charge and cost, and in the event of failure to do so within a period to be specified by the Foundation in their demand aforesaid, the Bidder shall be liable to pay compensation at the rate of up to five per cent of the total cost of the particular item, as decided by the Foundation, for the value of the whole work, while the contractor's failure to do so shall continue and in the case of any such failure the Foundation may on expiry of notice period rectify or remove, and re-execute the work or remove and replace with others, the materials or articles complained of as the case may be at the risk and expense in all respect of the Contractor. The decision of the Foundation as to any question arising under this clause shall be final and conclusive.

- j. **Security:** The Bidder shall at their own cost provide at all times adequate security to guard the site, materials and tools, to the satisfaction of the Foundation. The Bidder shall at all times be fully responsible for the security of all materials and equipment on the site, whether their own or those of any Sub-Contractor. Foundation shall not be responsible for any loss due to theft, FIRE, accident or any other reasons, whatsoever.
- k. **Conduct of Contractor and their Field Staff:** The Bidder shall be responsible for the proper behaviour of all the staff, foremen, workers and others, and shall exercise a proper degree of control over them and in particular and without prejudice to the interests of the community or of the proprietor or occupiers of land and properties in the neighbourhood and in the event of such employees so trespassing, the Bidder shall be responsible therefore and relieve the Foundation of all consequent claims or actions for damages or injury or any grounds whatsoever. The decision of the Foundation upon any matter arising under this clause shall be final.

If and whenever any of the Contractor's agents, assistants, foremen, or other employees shall in the opinion of Foundation be guilty of any misconduct or be incompetent or negligent in the performance of their duties or that in the opinion of the Foundation, be undesirable for administrative or any other job by the Contractor, and if so directed by the Foundation, the Bidder shall at once remove such persons from the site of work forthwith. Any person or persons so removed from the works shall not again be employed in connection with the works without the written permission of the Foundation. Any person so removed from the works shall be immediately replaced at the expense of the Bidder by a qualified and competent substitute.

**l. Delay due to force majeure:**

- i. *Force majeure* as used in the Agreement will mean any unforeseeable and irresistible act of nature, any act of war (whether declared or not), invasion, revolution, insurrection, terrorism, or any other acts of a similar nature or force, *provided that* such acts arise from causes beyond the control and without the fault or negligence of the Bidder.
- ii. In the event of and as soon as possible after the occurrence of any cause constituting *force majeure*, the affected Party shall give notice and full particulars in writing to the other Party, of such occurrence or cause if the affected Party is thereby rendered unable, wholly or in part, to perform its obligations and meet its responsibilities under the Agreement. The affected Party shall also notify the other Party of any other changes in condition or the occurrence of any event which interferes or threatens to interfere with its performance of the Agreement. Not more than fifteen (15) days following the provision of such notice of *force majeure* or other changes in condition or occurrence, the affected

Party shall also submit a statement to the other Party of estimated expenditures that will likely be incurred for the duration of the change in condition or the event of *force majeure*.

- iii. On receipt of the notice or notices required hereunder, the Party not affected by the occurrence of a cause constituting *force majeure* shall take such action as it reasonably considers to be appropriate or necessary in the circumstances, including the granting to the affected Party of a reasonable extension of time in which to perform any obligations under the Agreement.
  - iv. If the Bidder is rendered unable, wholly or in part, by reason of *force majeure* to perform its obligations and meet its responsibilities under the Agreement, the Foundation shall have the right to suspend or terminate the Agreement on the same terms and conditions as are provided for in this Agreement.
  - v. Both the SELCO Foundation and the Bidder fully and freely intend to create an independent Bidder relationship under the Agreement. Nothing in the Agreement shall be deemed to establish a partnership, joint venture, association or employment relationship between the parties.
- m. Quality Check, Rejection, Removal of Rejected Goods and Replacement:** In case the testing and inspection at any stage by inspectors on behalf of the Foundation, reveal that the architectural and structural design execution, product, material and/or workmanship do not comply with the agreed specifications and requirements, the same shall be removed by the Bidder at their own expenses and risk within 15 working days of information of rejection by the Foundation. The Foundation shall be at liberty to dispose of such rejected goods in such manner as they may think appropriate, in the event the Bidder fails to remove the rejected goods within the period as aforesaid.
- All expenses incurred by the Foundation for such disposal shall be to the account of the Contractor. The freight paid by the Foundation, if any, on the inward journey of the rejected material shall be reimbursed by the Bidder to the Foundation before the rejected materials are removed by the Contractor. The Bidder will have to proceed with the replacement of that product or part of the product without claiming any extra payment if so required by the Foundation, within 2 weeks of notification. In the event of such costs as mentioned in this clause are not reimbursed by the Contractor, the Foundation is at liberty to deduct the same from the payments to be made to the Bidder as per the payment clause.
- n. Defects and Snagging:** Snagging and structural recommendations based on site conditions and safety clauses during construction must be complied with within 7 days of notice to the contractor. The Foundation reserves the right of altering the drawings and nature of the work and / or adding to or omitting any item of work or of having portions of the same carried out departmentally or otherwise and such alterations or variations shall be carried out without prejudice to this contract.
  - o. Warranty:** The Bidder shall warrant that every material/product to be supplied shall be in accordance with the specifications agreed upon by both parties. The items should be consistent with the established, recognized or stipulated standards for material of the type usually used for the purpose and in full conformity with the specifications or samples, if any, outlined by the Foundation in the Request for Procurement (RFP) documents and agreed upon by the Bidder by the virtue of acceptance of the WO by the contractor. All the materials and equipment supplied by the Bidder for this work shall be new and should conform to relevant permissible specifications. They shall function satisfactorily under the rated conditions of operation and to withstand the environmental conditions at site. The warranty shall continue notwithstanding inspection, payment, acceptance of tendered product and shall expire except

in respect of complaints notified to Bidder prior to such date within 12 months from the date of commissioning.

- p. **Performance Guarantee:** The Bidder shall guarantee that any/all material used in execution of the Work Order shall be in strict compliance with characteristics requirements and specifications agreed upon. The Bidder shall guarantee that all material and products shall be repaired or replaced, as the case may be, at their own expense in case the same have been found to be defective in respect of material, workmanship for smooth and rated operation within a period of 01 year from the date of commissioning. Acceptance by the Foundation of any product and materials or their replacement will not relieve the Bidder of their responsibility concerning the above guarantee. In case of any legal case against the Foundation by any ultimate user of the product with respect to the performance of the building (during the warranty period), the Bidder should support the Foundation with required and relevant technical testing and reports supporting the performance of the product and to defend that the non-performance of the product is not because of any manufacturing or construction defect.

The warranty replacements will be made within 15 working days from the date of receipt of the Complaint at the site.

- q. **Indemnity:** The Bidder shall at all times indemnify the Foundation against all claims which may be made in respect of stores for infringement of any right protected by patent, registration of design or trademark. Provided always that in the event of any claim in respect of alleged breach of patent, registered designs or trademark being made against the Foundation, the Foundation shall notify the Bidder of the same and the Bidder shall at their own expense either settle any such dispute or conduct any litigation that may arise there from.

- r. **Construction Debris and Waste Disposal:** The Bidder shall periodically, cart away from site and deposit all -construction waste, etc. arising from the Works both as it accumulates, and at completion of the Works or at the direction of the Foundation. Sites at any point of time should remain free from all debris and malba at all times. It is the responsibility of the Bidder to obtain a certificate from the local authorities concerned to the effect that all rubbish arising out of Contractor's activities at the construction site or any other off-site activities borrow pits and / or disposal area(s) has been properly disposed of.

Upon completion of the work, all the areas should be clean. All floors, doors, windows, surface etc., shall be cleaned down in a manner which will render the work acceptable to the Foundation. All -waste materials due to any reason shall be removed daily from the site.

- s. **Handover Compliances:** Upon completion of the project, the Bidder shall turn over to the Project-In-Charge the following:

**Completion report:**

Within 10 working days of Completion of all Work as described in Contract including any additional work ordered, the Bidder shall give written Notice of such completion to the Foundation and within thirty days of the receipt of such notice, the Foundation shall inspect the work and if there is no defect is found in the work and work is completed in accordance of the Contract, shall furnish the Bidder with a Completion Certificate of physical completion indicating minor defects.

(a) To be rectified by the Bidder and/or

(b) For which payment will be made at a reduced rate.

Final Completion Certificate: Final Completion Certificate shall be issued on compliance of following:  
Bidder have rectified all the defects as intimated to them while snagging or issuing the Completion Certificate or any other defect which may arise during the Warranty period

- t. Communication and On-ground coordination:** In case of any coordination and support lag from the stakeholders involved in the project, the Bidder may immediately bring it to the notice of Foundation in writing to [procurement@selcofoundation.org](mailto:procurement@selcofoundation.org). Foundation will make all efforts to resolve the issues in the spirit to control damage to all stakeholders involved. However, the Foundation cannot be held responsible for any adverse effects arising out from the stakeholders involved.
- u.** Deviations from the purchaser's specification, if any, proposed by the bidder will be considered, provided they meet with the purchaser's requirements and are necessary to improve utility, performance and efficiency. The deviations proposed by the bidder shall include the technical merits and the financial implications which must be approved by the Foundation in writing.
- v. Compliance with Laws and Regulations** – The Bidder will comply with all applicable laws, rules, regulations and statutory requirements and amendments thereof, in the manufacture and distribution of products and supplies and in providing services to the SELCO and during the term of this Agreement.
- w. Child Labor-** The Bidder will, its parent entities, partners or subcontractors nor any of its subsidiary or affiliated entities (if any) is engaged in any practice inconsistent with the rights set forth in the Child Labour (Prohibition and Regulation) Act of 1986, which, inter alia, requires that a child shall be protected from performing any work that is likely to be hazardous or to interfere with the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development.
- x. Forced Labor-** The Bidder will not engage in any activity that will result in forced or compulsory labor under applicable laws including the Bonded Labour System (Abolition) Act, 1976,
- y. Abuse of Labor-** Bidder will act in accordance with applicable laws and regulations and will not violate the rights of labourers as stated in The Factories Act, 1948 and similar legislations.
- z. Working Hours, Overtime, Wages and Other Benefits-**Working hours, wages and benefits shall be provided by the Bidder to its staff and employees in accordance with applicable laws including the Minimum Wages Act, 1948.
- aa. Declaration of blacklisting-** Vendor represents and warrants to SELCO that, as on the date of signing of this Purchase Order, it is neither blacklisted/ debarred nor it is under a declaration of ineligibility by Central / State or Semi-Government Organization/Department or Institutions and Public Sector Undertakings in India and abroad. Bidder further undertakes to duly inform SELCO in the event it is blacklisted subsequent to execution of this Purchase Order.
- bb. Compliance with Anti-bribery Laws:** Vendor and each of its directors, officers, employees, agents or other (collectively referred to as " Bidder ") represent and warrant that it shall not either directly or on behalf of SELCO Foundation give, offer, promise to offer, or authorize the offer, directly or indirectly (proxy bribing), anything of value (such as money, shares, goods or service, gifts or entertainment) to government officials, government customers, potential government customers or foreign government officials including officials of any public international organizations or officials of any political party either in India or abroad ("Officials") with an Intent to influence any act or decision in his or her official capacity

Induce the Official to do or omit to do any act in violation of his or her lawful duty to obtain any improper advantage, or Induce to use such Official 's influence improperly to affect or influence an act or decision. The Bidder shall not provide any offering, promising, giving or receive, solicit or accept a financial or other advantage, or any other thing of value, with the intention of influencing or rewarding the behaviour of a person in a position of trust to perform a public, commercial or legal function to obtain or retain a commercial advantage.

Bidder understands and acknowledges that any non- adherence to the warranty as stated herein above will be violation of the provisions of the Indian Prevention of Corruption Act,1988 and other applicable laws and legislations ("Anti-bribery Laws").

In addition, Bidder agrees to promptly report to SELCO Foundation of any incident of breach or potential breach of this section.

- cc. Compliance with Sexual Harassment of Women (Prevention, Prohibition & Redressal) Act, 2013 (PoSH):** The Bidder shall agree to adhere to the mandates prescribed under the Sexual Harassment of Women (Prevention, Prohibition & Redressal) Act, 2013, which requires all workplaces to have a Policy and Internal Committee to address complaints of sexual harassment that women may face at the workplace.

**dd. Other Clauses:**

- a. The Bidder will treat all information given under this agreement as information with proprietary value and will not disclose the same to competitors or any outsiders. Bidder will not at any time, except under legal process, divulge any trade or business secret relating to the Foundation or any customer or agent of the Foundation, which may become known by virtue of the position as Contractor, save in so far as such disclosure shall be necessary in the interest and for the benefit of the said Foundation and will be true and faithful to the Foundation in all dealings and transactions whatsoever relating to the said Project. The Bidder will also take applicable permissions from the Foundation before using its logo, publication the partnership in public platforms etc
- b. Foundation may terminate this contract forthwith in the event of any fraud or misconduct or material supplied and quality of construction not being as per the technical specification on the part of the Contractor. Any notice to be given hereunder shall be sufficiently given to the other party if forwarded by registered post or by Courier Service to the registered address of the other party mentioned in this agreement or the last known postal address of the other party. Upon the termination of this contract, the Bidder shall refund the entire amount paid by the Foundation. The Bidder shall deliver all deeds, documents and paper in their possession relating to the business of the Foundation.
- c. Both the Foundation and the Bidder fully and freely intend to create an independent Bidder relationship under this Agreement. Nothing herein shall be deemed to establish a partnership, joint venture, association or employment relationship between the parties. Both parties agree that the

Bidder has sole and exclusive control over the manner and means employed in performing their activities under this Agreement in matters that are not specifically discussed and agreed upon between the parties to this Agreement.

- d. The Foundation represents and warrants that (a) it has the full right and authority to enter into this Agreement, and no consent or authorization not obtained prior to the Effective Date is necessary to be obtained, (b) the Foundation is a charitable trust registered under the laws of India and is authorized to do business to the extent necessary to fulfil its obligations hereunder.
- e. Except as specifically set forth in this Agreement, neither party makes any representation or warranty of any kind, express or implied, including without limitation any warranty of merchantability, any warranty of fitness for a particular purpose or use, any warranty of non-infringement, or any other statutory warranty. Each party expressly disclaims any and all implied warranties.
- f. This agreement shall not be amended or renewed, except in writing mutually agreed by both parties. The project shall be fully completed as agreed in the above-mentioned terms and conditions.
- g. Notwithstanding anything else to the contrary, Contractor's total aggregate liability under this agreement shall not in any case exceed 100% of the value of this agreement; Neither party shall be liable for any indirect, consequential, special, remote, exemplary, punitive or speculative losses or any losses or damages for loss of profits or business even if such party has been advised of the possibility of such costs or damages; and the Bidder shall have no liability for matters outside of its own scope of works.

This Agreement along with the Work Order contains the entire terms of agreement between the Parties and supersedes any previous oral or written understandings, commitments or agreements pertaining to the subject matter. This Agreement may not be amended, assigned nor any obligation waived, except by in writing signed by both Parties.

In the event that any or any part of the provisions contained in this Agreement is determined to be invalid, unlawful or unenforceable to any extent, such provision shall be severed from the remaining provisions which shall continue to be valid and enforceable to the fullest extent permitted by law.

**ee. Settlement of disputes:**

- i. The Parties shall use their best efforts to amicably settle any dispute, controversy, or claim arising out of the Agreement or the breach, termination, or invalidity thereof.
- ii. Any dispute, controversy, or claim between the Parties arising out of the Agreement or the breach, termination, or invalidity thereof, unless settled amicably, within sixty (60) days after receipt by one Party of the other Party's written request for such amicable settlement, the matter shall be referred by either Party to arbitration in accordance with the Arbitration and Conciliation Act, 1996. The

Language of Arbitration shall be English, and the venue of the arbitration shall be at Bangalore. Likewise, the jurisdiction will vest with courts in Bangalore.

Note: - These terms of contract outline the formal relation between the Parties. However, SELCO Foundation is not bound to incorporate all the above-mentioned terms in the final Agreement to be executed between the Parties.

**ANNEXURE 1: STATUTORY AND FINANCIAL DETAILS OF BIDDERS TO BE SUBMITTED**

All documents are to be stamped, signed, and submitted on the organization's letterhead.

|    |                                                                                                                                                 |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1  | Name of the Organization                                                                                                                        |  |
| 2  | Year of starting the organization & registration number (registration certificate or any other relevant document to be enclosed)                |  |
| 3  | Name and designation of the authorized signatory for agreement                                                                                  |  |
| 4  | Address of the bidder (along with phone no.& pin code)                                                                                          |  |
| 5  | Legal status of bidder (Proprietorship / Partnership / Pvt Ltd / Limited / others)                                                              |  |
| 6  | GSTIN Number                                                                                                                                    |  |
| 7  | PAN No.                                                                                                                                         |  |
| 8  | Copy of Income Tax (IT) returns for the last two (2) financial years                                                                            |  |
| 9  | Audited financial statements for the last two (2) financial years (Certified copy of Chartered Accountant report in P&L account to be enclosed) |  |
| 10 | GST registration and GST returns filled in the last two (2) financial years                                                                     |  |
| 11 | Letter of declaration to confirm that the bidder has not been blacklisted by any bidder or institution                                          |  |
| 12 | Organization profile including team strength                                                                                                    |  |
| 13 | Project Report – similar scope                                                                                                                  |  |

## ANNEXURE 2: PRICE SCHEDULE

Bidder can apply for entire scope or partial scope based on the Geography locations.

| Geography           | Location    | Total Units | Small (80–150 sq.ft) | Medium (300–400 sq.ft) | Large (400–500 sq.ft) |
|---------------------|-------------|-------------|----------------------|------------------------|-----------------------|
| Maharashtra         | Nagpur      | 30          | 10                   | 10                     | 10                    |
| Odisha              | Bhubaneswar | 25          | 8                    | 8                      | 9                     |
|                     | Puri        | 25          | 8                    | 8                      | 9                     |
| Total Installations |             | 80          | 26                   | 26                     | 28                    |

Geography Location: \_\_\_\_\_

### A. Soft Component

| S.No.                       | Component / Activity                                                                                          | Unit  | Qty | Unit Cost | Total Cost | Remarks                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------|-------|-----|-----------|------------|-----------------------------------------------------------------------|
| 1                           | Site selection & survey (beneficiary identification, roof assessment, data collection)                        | Site  | 80  |           |            | Includes travel, manpower and preliminary documentation               |
| 2                           | Design & material finalization (Existing & proposed drawings, intervention design, finalization of materials) | Site  | 80  |           |            | Preparation of existing/proposed drawings and material specifications |
| 3                           | Monitoring & documentation setup (formats, field data recording, baseline tracking)                           | Month | 4   |           |            | Establish monitoring and reporting templates                          |
| 4                           | Weekly & milestone reporting (progress updates, coordination meetings, review sessions)                       | Month | 4   |           |            | Compilation and submission of weekly/milestone reports                |
| <b>Total</b>                |                                                                                                               |       |     |           |            |                                                                       |
| <b>GST @18%</b>             |                                                                                                               |       |     |           |            |                                                                       |
| <b>Total with GST (INR)</b> |                                                                                                               |       |     |           |            |                                                                       |

## B. Hard Component

Combines complete site construction along with quality assurance, site construction supervision and coordination (joint inspections with SELCO Foundation) and handover responsibilities.

Options for House Roof and Ventilation Interventions:

### Intervention specifications:

- House/micro-business roof intervention area statement (Built-up area):
  - Option 1: Small- 80-150 sq.ft
  - Option 2: Medium- 300-400 sq.ft
  - Option 3: Large- 400-500 sq.ft
- Roof: Different cool roof solutions mentioned below. **Refer Annexure 2**
- Ventilators: 1-4 per house, depending on size.
- Appliances: 1-4 BLDC ceiling fans + 1-3 exhaust fans per house.
- Civil and electrical work included.

### Solution 1: Minimal Intervention - Adding White Paint

#### Scope of Work:

- Roof: Apply white reflective paint over the existing roof.
- Ventilation:
  - 1-4 × BLDC ceiling fans
  - 1-3 × Exhaust fans
  - 1-4 × Louver ventilators with mosquito mesh (UPVC/glass/wood)
  - Civil works: cutting roof/walls, plastering, painting.

#### Electrical: Wiring, switches and minor conduits for added fan and exhaust BOQ Items:

| S. No | Description                                     | Unit  | Quantity                 |                           |                           | Cost      |               |               |               |                                                     |
|-------|-------------------------------------------------|-------|--------------------------|---------------------------|---------------------------|-----------|---------------|---------------|---------------|-----------------------------------------------------|
|       |                                                 |       | Op. 1 (for 80-150 sq.ft) | Op. 2 (for 300-400 sq.ft) | Op. 3 (for 400-500 sq.ft) | Unit cost | Option 1 Cost | Option 2 Cost | Option 3 Cost | Remarks                                             |
| 1     | White reflective paint with surface preparation | Sq.ft | 80-150                   | 300-400                   | 400-500                   |           |               |               |               | Three coats of heat reflective paint                |
| 2     | BLDCB ceiling fan                               | No.   | 1                        | 2                         | 3-4                       |           |               |               |               | Ceiling mount of Atomberg, Crompton or equivalent   |
| 3     | Exhaust fan                                     | No.   | 1                        | 2                         | 2-3                       |           |               |               |               | Wall/roof mount of Atomberg, Crompton or equivalent |

|             |                                                                                                                                |     |     |     |     |  |  |  |  |                                                                                                                                                                                           |
|-------------|--------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4           | Louver ventilator with mosquito mesh                                                                                           | No. | 1-2 | 1-3 | 2-4 |  |  |  |  | UPVC/wood frame with glass. Grill and mosquito net                                                                                                                                        |
| 5           | Electrical wiring & switches                                                                                                   | LS  | 1   | 2   | 3   |  |  |  |  | For fans & ventilators                                                                                                                                                                    |
| 6           | Civil works for fans/ventilators                                                                                               | LS  | 1   | 2   | 3   |  |  |  |  | Cutting; Plastering- 12mm thk for ceiling, 20mm thk for walls; Painting- 1 coat of primer+ 2 coats of Low VOC Emulsion paint if interior / 2 coats of waterproof cement paint if exterior |
| 7           | Miscellaneous construction work (labour for cleaning, site preparation, debris removal, minor adjustments, temporary supports) | LS  | 1   | 2   | 3   |  |  |  |  | Covers all incidental labour and minor tasks not included in main BOQ items; ensures site is clean and ready for subsequent works                                                         |
| Total       |                                                                                                                                |     |     |     |     |  |  |  |  |                                                                                                                                                                                           |
| GST @18%    |                                                                                                                                |     |     |     |     |  |  |  |  |                                                                                                                                                                                           |
| Grand Total |                                                                                                                                |     |     |     |     |  |  |  |  |                                                                                                                                                                                           |

## Solution 2: Minimal Intervention - Adding White Heat Reflective Tiles

### Scope of Work:

- Roof: Adding white reflective tiles over the existing roof.
- Ventilation:
  - 1-4 × BLDC ceiling fans
  - 1-3 × Exhaust fans
  - 1-4 × Louver ventilators with mosquito mesh (UPVC/glass/wood)
  - Civil works: cutting roof/walls, plastering, painting.
- Electrical: Wiring, switches and minor conduits for added fan and exhaust.

**BOQ Items:**

| S. No | Description                                                                                                                    | Unit  | Quantity                    |                              |                              | Cost      |               |               |               | Remarks                                                                                                                                                                                   |
|-------|--------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------|------------------------------|------------------------------|-----------|---------------|---------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |                                                                                                                                |       | Op. 1<br>(for 80-150 sq.ft) | Op. 2<br>(for 300-400 sq.ft) | Op. 3<br>(for 400-500 sq.ft) | Unit cost | Option 1 Cost | Option 2 Cost | Option 3 Cost |                                                                                                                                                                                           |
| 1     | White reflective tiles with surface preparation                                                                                | Sq.ft | 80-150                      | 300-400                      | 400-500                      |           |               |               |               | 1ft*1ft heat reflective tiles of Johnson or equivalent                                                                                                                                    |
| 2     | BLDCB ceiling fan                                                                                                              | No.   | 1                           | 2                            | 3-4                          |           |               |               |               | Ceiling mount of Atomberg, Crompton or equivalent                                                                                                                                         |
| 3     | Exhaust fan                                                                                                                    | No.   | 1                           | 2                            | 2-3                          |           |               |               |               | Wall/roof mount of Atomberg, Crompton or equivalent                                                                                                                                       |
| 4     | Louver ventilator with mosquito mesh                                                                                           | No.   | 1-2                         | 1-3                          | 2-4                          |           |               |               |               | UPVC/wood frame with glass. Grill and mosquito net                                                                                                                                        |
| 5     | Electrical wiring & switches                                                                                                   | LS    | 1                           | 2                            | 3                            |           |               |               |               | For fans & ventilators                                                                                                                                                                    |
| 6     | Civil works for fans/ventilators                                                                                               | LS    | 1                           | 2                            | 3                            |           |               |               |               | Cutting; Plastering- 12mm thk for ceiling, 20mm thk for walls; Painting- 1 coat of primer+ 2 coats of Low VOC Emulsion paint if interior / 2 coats of waterproof cement paint if exterior |
| 7     | Miscellaneous construction work (labour for cleaning, site preparation, debris removal, minor adjustments, temporary supports) | LS    | 1                           | 2                            | 3                            |           |               |               |               | Covers all incidental labour and minor tasks not included in main BOQ items; ensures site is clean and ready for subsequent works                                                         |
|       | Total                                                                                                                          |       |                             |                              |                              |           |               |               |               |                                                                                                                                                                                           |
|       | GST                                                                                                                            | 18%   |                             |                              |                              |           |               |               |               |                                                                                                                                                                                           |
|       | Grand Total                                                                                                                    |       |                             |                              |                              |           |               |               |               |                                                                                                                                                                                           |

**Solution 3: Metal Roof Replacement with PUF Panels****Scope of Work:**

- Roof: Replace existing damaged metal roof with PUF panels.
- Reinforce walls/structures.

- Ventilation:
  - 1-4 × BLDC ceiling fans
  - 1-3 × Exhaust fans
  - 1-4 × Louver ventilators with mosquito mesh (UPVC/glass/wood)
  - Civil works: cutting roof/walls, plastering, painting.
- Electrical: Wiring, switches and minor conduits for added fan and exhaust.

#### BOQ Items

| S. No | Description                                                                             | Unit  | Quantity                    |                              |                              | Cost      |               |               |               | Remarks                                                                                                                                                                                          |
|-------|-----------------------------------------------------------------------------------------|-------|-----------------------------|------------------------------|------------------------------|-----------|---------------|---------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |                                                                                         |       | Op. 1<br>(for 80-150 sq.ft) | Op. 2<br>(for 300-400 sq.ft) | Op. 3<br>(for 400-500 sq.ft) | Unit cost | Option 1 Cost | Option 2 Cost | Option 3 Cost |                                                                                                                                                                                                  |
| 1     | PUF insulated panel roof                                                                | Sq.ft | 80-150                      | 300-400                      | 400-500                      |           |               |               |               | Thickness 40-50 mm                                                                                                                                                                               |
| 2     | Structural reinforcement for walls/roof                                                 | LS    | 1                           | 2                            | 3                            |           |               |               |               | Structural strengthening of existing truss members or outer roof/wall supports using MS sections, bracings or concrete/jacketing work as per approved structural design. Paint on it if exposed. |
| 3     | BLDCB ceiling fan                                                                       | No.   | 1                           | 2                            | 3-4                          |           |               |               |               | Ceiling mount of Atomberg, Crompton or equivalent                                                                                                                                                |
| 4     | Exhaust fan                                                                             | No.   | 1                           | 2                            | 2-3                          |           |               |               |               | Wall/roof mount of Atomberg, Crompton or equivalent                                                                                                                                              |
| 5     | Louver ventilator with mosquito mesh                                                    | No.   | 1-2                         | 1-3                          | 2-4                          |           |               |               |               | UPVC/wood frame with glass. Grill and mosquito net                                                                                                                                               |
| 6     | Electrical wiring & switches                                                            | LS    | 1                           | 2                            | 3                            |           |               |               |               | For fans & ventilators                                                                                                                                                                           |
| 7     | Civil works for fans/ventilators                                                        | LS    | 1                           | 2                            | 3                            |           |               |               |               | Cutting; Plastering- 12mm thk for ceiling, 20mm thk for walls; Painting- 1 coat of primer+ 2 coats of Low VOC Emulsion paint if interior / 2 coats of waterproof cement paint if exterior        |
| 8     | Miscellaneous construction work (labour for cleaning, site preparation, debris removal, | LS    | 1                           | 2                            | 3                            |           |               |               |               | Covers all incidental labour and minor tasks not included in main BOQ items; ensures site is clean and ready for subsequent works                                                                |

|  |                                        |     |  |  |  |  |  |  |  |  |
|--|----------------------------------------|-----|--|--|--|--|--|--|--|--|
|  | minor adjustments, temporary supports) |     |  |  |  |  |  |  |  |  |
|  | Total                                  |     |  |  |  |  |  |  |  |  |
|  | GST                                    | 18% |  |  |  |  |  |  |  |  |
|  | Grand Total                            |     |  |  |  |  |  |  |  |  |

#### Solution 4: Roof Insulation with insulation material

##### Scope of Work

- Roof: Add insulation layer beneath or over existing metal/concrete roof (Options-Reflective foil insulation, air-bubble insulation sheets, XLPE foam sheet, wool insulation).
- Minimal civil work.
- Ventilation:
  - 1-4 × BLDC ceiling fans
  - 1-3 × Exhaust fans
  - 1-4 × Louver ventilators with mosquito mesh (UPVC/glass/wood)
  - Civil works: cutting roof/walls, plastering, painting.
- Electrical: Wiring, switches and minor conduits for added fan and exhaust.

##### BOQ Items:

| S. No | Description                             | Unit  | Quantity                    |                              |                              | Cost      |               |               |               | Remarks                                                                                                                                                                                          |
|-------|-----------------------------------------|-------|-----------------------------|------------------------------|------------------------------|-----------|---------------|---------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |                                         |       | Op. 1<br>(for 80-150 sq.ft) | Op. 2<br>(for 300-400 sq.ft) | Op. 3<br>(for 400-500 sq.ft) | Unit cost | Option 1 Cost | Option 2 Cost | Option 3 Cost |                                                                                                                                                                                                  |
| 1     | Roof insulation layer                   | Sq.ft | 80-150                      | 300-400                      | 400-500                      |           |               |               |               | Reflective foil insulation, air-bubble insulation sheets, XLPE foam sheet, wool insulation                                                                                                       |
| 2     | Structural reinforcement for walls/roof | LS    | 1                           | 2                            | 3                            |           |               |               |               | Structural strengthening of existing truss members or outer roof/wall supports using MS sections, bracings or concrete/jacketing work as per approved structural design. Paint on it if exposed. |
| 3     | BLDCB ceiling fan                       | No.   | 1                           | 2                            | 3-4                          |           |               |               |               | Ceiling mount of Atomberg, Crompton or equivalent                                                                                                                                                |
| 4     | Exhaust fan                             | No.   | 1                           | 2                            | 2-3                          |           |               |               |               | Wall/roof mount of Atomberg, Crompton or equivalent                                                                                                                                              |

|   |                                                                                                                                |     |     |     |     |  |  |  |  |                                                                                                                                                                                           |
|---|--------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 | Louver ventilator with mosquito mesh                                                                                           | No. | 1-2 | 1-3 | 2-4 |  |  |  |  | UPVC/wood frame with glass. Grill and mosquito net                                                                                                                                        |
| 6 | Electrical wiring & switches                                                                                                   | LS  | 1   | 2   | 3   |  |  |  |  | For fans & ventilators                                                                                                                                                                    |
| 7 | Civil works for fans/ventilators                                                                                               | LS  | 1   | 2   | 3   |  |  |  |  | Cutting; Plastering- 12mm thk for ceiling, 20mm thk for walls; Painting- 1 coat of primer+ 2 coats of Low VOC Emulsion paint if interior / 2 coats of waterproof cement paint if exterior |
| 8 | Miscellaneous construction work (labour for cleaning, site preparation, debris removal, minor adjustments, temporary supports) | LS  | 1   | 2   | 3   |  |  |  |  | Covers all incidental labour and minor tasks not included in main BOQ items; ensures site is clean and ready for subsequent works                                                         |
|   | Total                                                                                                                          |     |     |     |     |  |  |  |  |                                                                                                                                                                                           |
|   | GST                                                                                                                            | 18% |     |     |     |  |  |  |  |                                                                                                                                                                                           |
|   | Grand Total                                                                                                                    |     |     |     |     |  |  |  |  |                                                                                                                                                                                           |

### Solution 5: Innovative Cool Roof

#### Scope of Work:

- Roof: Apply advanced reflective coating, green roof panels or thin insulation layer proposed by firm approved by SF in writing
- Reinforce walls/structures.
- Ventilation:
  - 1-4 × BLDC ceiling fans
  - 1-3 × Exhaust fans
  - 1-4 × Louver ventilators with mosquito mesh (UPVC/glass/wood)
  - Civil works: cutting roof/walls, plastering, painting.
- Electrical: Wiring, switches and minor conduits for added fan and exhaust.

#### BOQ Items:

| S. No | Description | Unit | Quantity                    |                              |                              | Cost      |               |               |               | Remarks |
|-------|-------------|------|-----------------------------|------------------------------|------------------------------|-----------|---------------|---------------|---------------|---------|
|       |             |      | Op. 1<br>(for 80-150 sq.ft) | Op. 2<br>(for 300-400 sq.ft) | Op. 3<br>(for 400-500 sq.ft) | Unit cost | Option 1 Cost | Option 2 Cost | Option 3 Cost |         |

|   |                                                                                                                                |       |        |         |         |  |  |  |  |                                                                                                                                                                                                  |
|---|--------------------------------------------------------------------------------------------------------------------------------|-------|--------|---------|---------|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Innovative idea of the firm- Cool roof coating / green roof panels / insulation                                                | Sq.ft | 80-150 | 300-400 | 400-500 |  |  |  |  | Approved by SF in written                                                                                                                                                                        |
| 2 | Structural reinforcement for walls/roof                                                                                        | LS    | 1      | 2       | 3       |  |  |  |  | Structural strengthening of existing truss members or outer roof/wall supports using MS sections, bracings or concrete/jacketing work as per approved structural design. Paint on it if exposed. |
| 3 | BLDCB ceiling fan                                                                                                              | No.   | 1      | 2       | 3-4     |  |  |  |  | Ceiling mount of Atomberg, Crompton or equivalent                                                                                                                                                |
| 4 | Exhaust fan                                                                                                                    | No.   | 1      | 2       | 2-3     |  |  |  |  | Wall/roof mount of Atomberg, Crompton or equivalent                                                                                                                                              |
| 5 | Louver ventilator with mosquito mesh                                                                                           | No.   | 1-2    | 1-3     | 2-4     |  |  |  |  | UPVC/wood frame with glass. Grill and mosquito net                                                                                                                                               |
| 6 | Electrical wiring & switches                                                                                                   | LS    | 1      | 2       | 3       |  |  |  |  | For fans & ventilators                                                                                                                                                                           |
| 7 | Civil works for fans/ventilators                                                                                               | LS    | 1      | 2       | 3       |  |  |  |  | Cutting; Plastering- 12mm thk for ceiling, 20mm thk for walls; Painting- 1 coat of primer+ 2 coats of Low VOC Emulsion paint if interior / 2 coats of waterproof cement paint if exterior        |
| 8 | Miscellaneous construction work (labour for cleaning, site preparation, debris removal, minor adjustments, temporary supports) | LS    | 1      | 2       | 3       |  |  |  |  | Covers all incidental labour and minor tasks not included in main BOQ items; ensures site is clean and ready for subsequent works                                                                |
|   | Total                                                                                                                          |       |        |         |         |  |  |  |  |                                                                                                                                                                                                  |
|   | GST                                                                                                                            | 18%   |        |         |         |  |  |  |  |                                                                                                                                                                                                  |
|   | Grand Total                                                                                                                    |       |        |         |         |  |  |  |  |                                                                                                                                                                                                  |

### ANNEXURE 3: TERMS & CONDITIONS DECLARATION

If our tender is accepted, we hereby undertake to abide as per the stipulated Terms and Conditions, to provide services narrated in Annexure 1.

We agree to abide by this tender for and if the award is made to us, in executing the above contract we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of corruption Act, 1988".

We understand that you are not bound to determine the price based on the lowest offer that you may receive.

We accept that all disputes between parties will be adjudicated by a competent court in Bangalore, India.

I, \_\_\_\_\_ (Name of signatory) on behalf of the bidder \_\_\_\_\_ (Name of the bidder), hereby certify that I have noted the scope and deliverables mentioned and the prices quoted above are as per the details specified and in compliance with Annexure 1.

Dated this..... day of.....2025

Signature

(Name and Address of the Bidder with seal)

(In the capacity of.....Duly authorized to sign the Tender for and on behalf of \_\_\_\_\_)