

SELCO FOUNDATION

TENDER NOTIFICATION
FOR CONSTRUCTION OF 10 UNITS OF ENERGY
EFFICIENT LOW INCOME HOUSING IN KALAHANDI,
ODISHA

TENDER DOCUMENT

Address for communication

SELCO Foundation

#690 15th Cross J.P. Nagar 2nd Phase

Bangalore - 560078

Telephone: 080-26493145

e-mail: **procurement@selcofoundation.org**

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SELCO Foundation

#690 15th Cross J P Nagar 2nd Phase

Bangalore - 560078

Telephone: 080-26493145

e-mail: procurement@selcofoundation.org

SF TENDER 01/2020-21

Dated 29-08-2020

BID INVITATION : CONSTRUCTION OF ENERGY EFFICIENT LOW INCOME HOUSING
IN KALAHANDI, ODISHA

Chief Executive Officer of SELCO Foundation, Karnataka State, India hereby invites bids for supply of FOR “**ENERGY EFFICIENT LOW INCOME HOUSING IN KALAHANDI, ODISHA**” during the year 2020-21 in the following regions:

Odisha - Delivery at Kalahandi

| | | |
|---|--|-----------------------------|
| 1 | Tender Reference No. | 01/2020-2021 |
| 2 | Last date & Time for submission Bids | 7th September 2020, 5.00 PM |
| 3 | Date of opening of first Cover (Technical Bid) & Second Cover (Financial bids) | 8th September 2020 |
| 4 | Venue of acceptance and opening of tenders, | SELCO Foundation, Bangalore |

Interested and eligible bidders can submit the application to the below address and soft copy over email,

SELCO Foundation,

#690, 15th Cross, 2nd Phase, JP Nagar,

Bangalore 78

and

procurement@selcofoundation.org

sd/-

Chief Executive Officer

SELCO Foundation

2 - INSTRUCTION TO BIDDERS

A. Eligibility to bidders:

- a. Bidders should be in operation for the last 1 year in the field of housing using traditional construction methodology. The company should demonstrate the construction using local materials such as mud, lime and other pozzolans for construction.
- b. Bidders registration certificates or any other proof of incorporation to be submitted to establish the legal status.
- c. Bidders should be able to provide excellent service. It is expected that complaints will be addressed within 72 hrs. of lodging.
- d. Audited or Provisional financial statement for last financial year 2019-20 and Audited financial statement and IT Returns for financial year 2018-19
- e. PAN card for the Organization.
- f. Self-Declaration Certificate to declare that the organization is not blacklisted.
- g. Documents to establish that the organization has implemented a minimum of 30 homes carbon neutral and energy efficient lime masonry practices under PMAY-G or similar housing schemes with the government
- h. Bidders should self declare that the following services will be delivered in-house without outsourcing to a third party organisation
 - i. Feasibility Study and Market Survey for Building Construction and Local Materials (for the region of Kalahandi)
 - ii. Architectural and Structural designs and detailings of each home
 - iii. Testing and certification in the form of a stability reports of lime and mud (Lime & Lime Stabilised Soil Block) and Tiled roofing technologies
 1. Material Selection and testing for shrinkage, size and strength for Lime, Soil, Pozzolan and Fibre
 2. Mix Proportion for Lime proportion, mix designs, stabilisation
 3. Curing and Field Testing

- iv. Training and Capacity Building of 40 numbers of local masons and contractors in Kalahandi in construction practices for Lime & Lime Stabilised Soil Block and Tiled roofing technologies through the process of construction of the 10 houses
- v. Certification for RPL Training for local masons and contractors in Kalahandi, trained under the programme
- vi. Procurement, monitoring and execution of the construction for all 10 houses adhering to timelines and budget.
- vii. Setting up of (125sqft) vegetable gardens with one fruit tree and clean cooking stoves with chimney as part of the cumulative cost
- viii. Provide Carbon Estimates and Calculations for each template house
- i. Bidders should provide Maintenance and Repair services for upto 1 year from the date of Handover of houses to the beneficiaries.
- j. The bidders should provide equal opportunities of employment to local tradespeople and house owners (identified as beneficiaries in the program)
- k. Bidders need to be able to complete the construction of all 10 homes within the timeframe of 4 months (from the time of release of the Work Order)
- l. Interested and eligible Bidders may obtain further information or clarification 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

B. Cost of Bidding:

The bidder shall bear all costs associated with the preparation and submission of Bid to the Chief Executive Officer, SELCO Foundation hereinafter referred to as “the Purchaser” will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

Part 1 - Technical Proposal shall contain:

- i. Particulars of the Bidder as per Annexure - 5
- ii. Checklist of Documents to be submitted in First Envelope as per Annexure - 6
- iii. The bidder has to submit an acceptance letter stating structural report and validation for stability of the houses and guarantee for minimum 15 years will be provided before construction commences on sites

- iv. Declaration of services as outlined in the eligibility criteria
- v. Submission of technical specification as per designs and specifications of materials outlined in Annexure 1 and Annexure 2
- vi. The bidder has to sign all the pages of the documents as a token of acceptance of all terms and conditions.

Part 2 - Commercial bid shall contain:

The service rate quoted should include all taxes levied by the State & Central Govt and also inclusive of wages for skilled and unskilled labour, construction tools, equipment and machinery, safety equipment, fuel, food, accommodation and travel costs.

1. Price Schedule

The Bidder shall complete the price schedule in Annexure 4 as per designs outlined in Annexure - 1 furnished in the Bidding Documents, indicating the total cost of services as per the Annexure - 2 and timelines as per Annexure - 3 The SELCO Foundation will not pay any extra charges over and above rate quoted by the Bidder.

2. Fixed price:

Prices quoted by the Bidder are firm, final and binding and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

3. Period of Validity of Bids

Bids shall remain valid for a period of 12 month from the date of opening of Second Envelope (Commercial Bid). A Bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.

4. Format and Signing of Bid

The Bidder ***shall give a set of hard copies of all the documents*** in the sealed cover.

- 5.** The Bids could be submitted by hand or post/courier to the below mentioned address
Procurement Officer, SELCO Foundation, #690, 15th Cross, 2nd Phase, JP Nagar,
Bengaluru - 78 and email to procurement@selcofoundation.org

6. Deadline for Submission of Bids

Bids must be received by the Purchaser not later than the time and date specified in the invitation for Bids (Section I)

7. The Purchaser 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 Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

8. Tender Opening and Evaluation of E-Tenders

The Technical & Financial bids will be opened on the same day itself or later separately. The financial bids (Second Cover), of only technically qualified bidders will be opened.

9. The Bidders Names, Bid Modifications, or Withdrawals, bid prices, Discounts and the presence or absence of the requisite details as the Purchaser, at its discretion, may be considered appropriate will be recorded by the Purchasing Committee of SELCO Foundation. No Bid shall be rejected at bid opening, except for late bids, which will be rejected.

10. Clarification of Bids

During evaluation of Bids, the purchaser 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.

Post sanction of the Work Order, template design should be modified as per site conditions within the stipulated cost of construction and the final decision is reserved by the CEO, SELCO Foundation.

Total programmatic cost of the project is shared between the SELCO Foundation, beneficiaries and other stakeholders. This clause and terms of payment will be negotiated before the sanction of the work order.

11. Preliminary Examination

The purchaser will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

12. 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 purchaser 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.

13. ACCEPTANCE OR REJECTION OF BIDS:

CEO, 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.

14. Any Bid with incomplete information is liable for rejection.

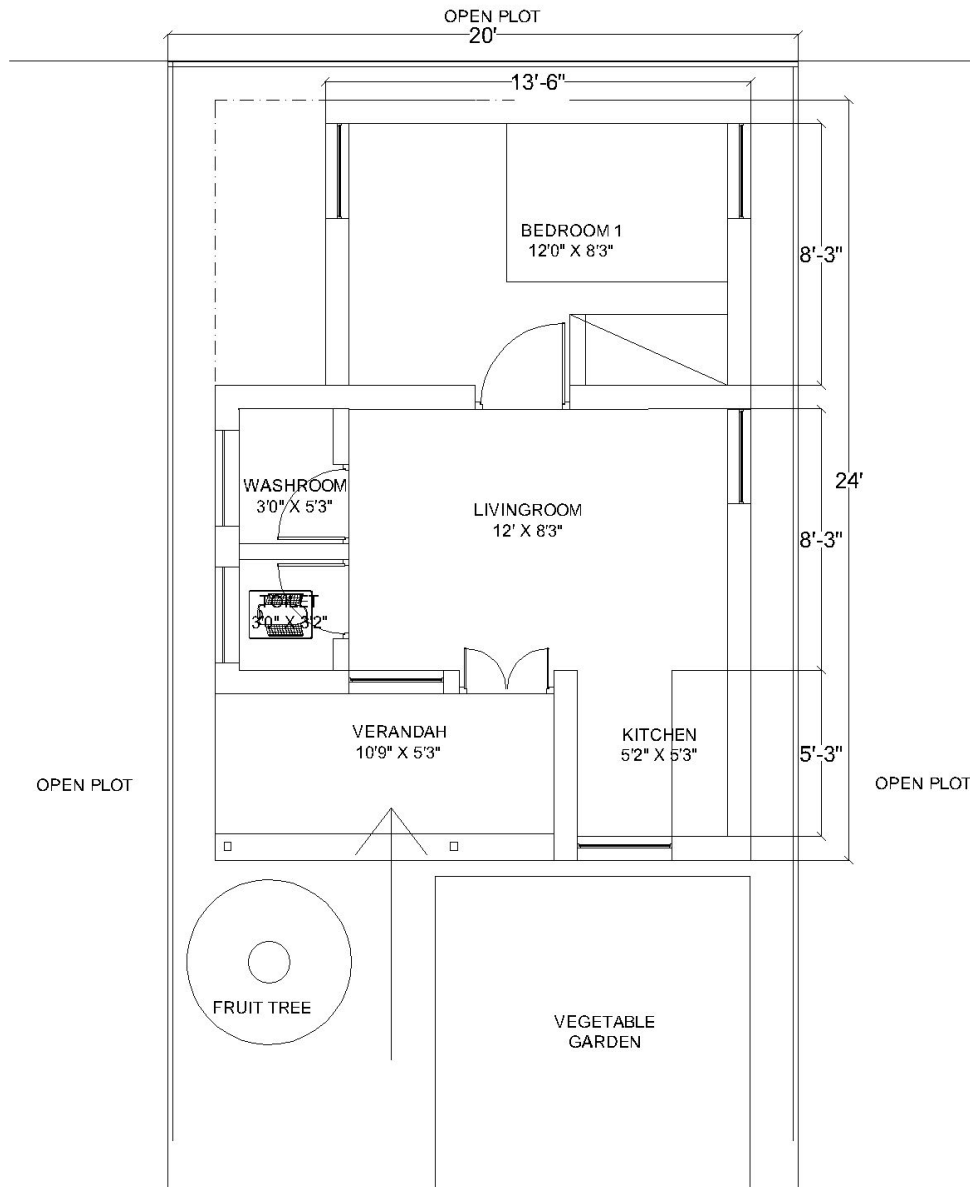
ANNEXURE- 1

TECHNICAL SPECIFICATIONS

DESIGN LAYOUT (TEMPLATE FOR BENCHMARK COSTING)

Characteristics of dwelling units:

1. 321 sq. ft. one bedroom inclusive of Living, Verandah, Kitchen, Toilet and Bathroom
2. 125 sq.ft Vegetable Garden & one Fruit Tree
3. Lime & Lime Stabilised Soil Block (LSSB) - based traditional constructions with stone slab roofing
4. Clean Cooking Solutions
5. Free standing structure for 2 floors



PROPOSED LAYOUT

ROAD

ANNEXURE - 2

2. MATERIAL SPECIFICATIONS

| Material Specification for House of Area - 321 sq.ft | | |
|--|---|--|
| # | List of work | Specifications |
| 1 | Excavation and Foundation | 1000 Brick bat |
| | | 1.5 tonnes of quicklime |
| | | 1383 LSSb Blocks |
| | | 7.7 tonnes red soil |
| | | 500 lit water |
| 2 | DPC at Plinth Level | 50mm thick stone slab |
| 3 | Brick work masonry in superstructure with in-built shelving | 3342 LSSB Blocks |
| | | Quick lime |
| | | Red Soil |
| | | Bhoosa |
| | | water |
| 4 | Lintel | Stone slab or equivalent in steel and lime or cement |
| 5 | Plaster of inside wall with deduction | 445 kg Quick lime |
| | | 2265 kg Red Soil |
| | | 25 kg Bhoosa |
| | | 375 lit water |
| 6 | Rendering of outer wall | 770 kg Quicklime |
| | | 4901 kg Red soil |
| | | 25kg Bhoosa |
| | | 166kg Rice husk ash |
| | | 250 lit water |
| 7 | Floor Screeding and Tile | 118 kg Quick lime |
| | | 256 Sq Ft Recycled plastic tile or equivalent |
| | | 115 lit water |
| | | 708 kg Red soil |
| 8 | Stone Laid roof with I section and Roof finish with waterproofing | 240 kg Quicklime 12000 |
| | | 840 kg brik brunt dust |
| | | 100mm thick stone slab |
| | | 108 kg I section |
| | | 275 lit water |

| | | |
|----|---|--------|
| 9 | Windows and ventilators for 5 units | Wooden |
| 10 | Doors for 4 units | Wooden |
| 11 | Plumbing with water storage tank and sanitation pit | |
| 12 | Electrical wiring and fixtures | |
| 13 | Infra cost for vegetable garden, fruit tree, clean cooking solution | |

Dated this _____ day of _____ 20120

The above technical specifications read and understood and signed

Signature of the bidder and address with seal

ANNEXURE - 3

PROGRAMME TIMELINES

| Design | | |
|--------------------|---|----------------|
| Deliverable | | Timeline |
| Design consultancy | <ul style="list-style-type: none"> • Detailed Need assessment and Feasibility Study • Beneficiary selection • Design templates for 10 houses | September 2020 |
| | <ul style="list-style-type: none"> • Statutory approvals • Construction document preparation- Construction drawings, BOQ • Masons and Helpers Identification • Implementation | September 2020 |

| Deliverable | | Timeline |
|--------------------------------|--|---------------------|
| Substructure | <ul style="list-style-type: none"> • Site Inspection • Kick off meeting • Site marking • Excavation • Foundation • Plinth beam | October to December |
| Superstructure | <ul style="list-style-type: none"> • Sill level - walling • Window and Door fixing • Lintel level - walling • Roof level - walling • Electrical conduits- AC & DC • Roofing work | |
| Finishing | <ul style="list-style-type: none"> • Pre final checking/ snagging • Finishes - plumbing, electrical, flooring, plastering • Final Snagging • Handing Over | |
| Training and Capacity Building | During the construction process | |

ANNEXURE - 4

SERVICE COST, BILL OF QUANTITIES AND RATE CARD

| Service cost | | | | | |
|--|---|--------|-------|--|------------|
| # | Particulars | Unit | Qty | Cost per Unit | Total cost |
| 1 | Feasibility Study | Report | 1 | | |
| 2 | Travel and Accommodation for entirety of the programme | L/S | 1 | | |
| 3 | Testing and Certification | Report | 1 | | |
| 4 | RPL Training and Certification for masons including contractors | People | 40 | | |
| SUB TOTAL - A | | | | | |
| Cost of construction for 1 unit House (Area - 321 sq.ft) | | | | | |
| # | List of work | Unit | Qty | Material in (Units) | Total Cost |
| 1 | Excavation and Foundation | Cum | 23.8 | 1000 Brick bat | |
| | | | | 1.5 tonnes of quicklime | |
| | | | | 1383 LSSb Blocks | |
| | | | | 7.7 tonnes red soil | |
| | | | | 500 lit water | |
| 2 | DPC at Plinth Level | Sqm | 11.76 | 50mm thick stone slab | |
| 3 | Brick work masonry in superstructure | Cum | 24.4 | 3342 LSSB Blocks | |
| | | | | 284 kg Quick lime | |
| | | | | 1207 kg Red Soil | |
| | | | | 20 kg Bhoosa | |
| | | | | 350 lit water | |
| 4 | Lintel | Cum | 3.2 | Stone slab or equivalent in steel and lime or cement | |
| 5 | Plaster of inside wall with deduction | Sqm | 125 | 445 kg Quick lime | |
| | | | | 2265 kg Red Soil | |

| | | | | | |
|----|---|-----|------|-------------------------------|--|
| | | | | 25 kg Bhoosa | |
| | | | | 375 lit water | |
| 6 | Rendering of outer wall | Sqm | 68.4 | 770 kg Quick lime | |
| | | | | 4901 kg Red soil | |
| | | | | 25kg Bhoosa | |
| | | | | 166kg Rice hush ash | |
| | | | | 250 lit water | |
| 7 | Floor Screeding and Tile | Sqm | 24 | 118 kg Quick lime | |
| | | | | 256 Sqf Recycled plastic tile | |
| | | | | 115 lit water | |
| | | | | 708 kg Red soil | |
| 8 | Stone Laid roof with I section and Roof finish with waterproofing | Sqm | 30 | 240 kg Quicklime 12000 | |
| | | | | 840 kg brik brunt dust | |
| | | | | 100mm thick stone slab | |
| | | | | 108 kg I section | |
| | | | | 275 lit water | |
| 9 | Windows 5 units | Sqm | 3.24 | Recycled Wood | |
| 10 | Doors 4 units | Sqm | 5.04 | Recycled Wood | |
| 11 | Plumbing with sanitation pit | LS | 1 | | |
| 12 | Infra cost for vegetable garden, fruit tree etc | LS | 1 | | |
| 13 | Labour Charges | LS | 1 | | |
| | Cost of construction (per 1 household) | | | | |
| | SUB TOTAL - B (Cost of construction of 1 household x10) | | | | |
| | TOTAL COST (A+B) | | | | |
| | TOTAL COST (A+B) Inclusive of GST and All Taxes | | | | |
| | TOTAL COST (A+B) Inclusive of GST and All Taxes in words | | | | |

ANNEXURE - 5

DETAILS OF THE ORGANISATION

| | | |
|---|--|--|
| 1 | Name of the Bidder | |
| 2 | Year of starting the organization & registration number (photocopy of registration certificate or any other relevant document to be enclosed) | |
| 3 | Address of the Bidder (along with phone no.& pin code) | |
| 4 | Status of Bidder (Pvt Ltd, Proprietor, LLP) | |
| 5 | a) GSTIN b) PAN No. of Income Tax Dept. (Photocopy of I. T. returns for the last Financial Year years to be enclosed) | |
| 6 | Audited or Provisional financial statement for last financial year 2019-20 and Audited financial statement and IT Returns for financial year 2018-19 | |
| 8 | Particulars of Physical Infrastructure and total strength of staff available in the organization | |

Signature of the bidder and address with seal

Date:

ANNEXURE - 6

CHECK LIST OF DOCUMENTS TO BE SUBMITTED IN THE FIRST ENVELOPE (TECHNICAL BID)

| Sl.No. | Description | Whether the Document is enclosed or not | Page No. From and to |
|--------|---|---|----------------------|
| 1 | Details of Organization as per Table –I | | |
| 2 | Copies showing the legal status, places of registration and principal place of business of the firm | | |
| 3 | Copies of audited financial statements for the last financial years | | |
| 4 | Copies of GST registration and GST returns filled in the last financial years | | |
| 5 | Copies of income tax registration and income tax returns filed in the last financial years. | | |
| 6 | Acceptance to give 15 year guarantee for servicing and repairs due to construction or structural failure and waterproofing issues | | |

I abide by all the above terms & conditions.

PLACE:

DATE:

Signature of the bidder and address with seal

CONDITIONS

1. If our tender is accepted, we hereby undertake to abide as per the stipulated Terms and Conditions, to provide contracting services for the construction of 10 Energy efficient housing for low income communities.
2. We agree to abide by this Tender for bid validity of 12 months after the date fixed for opening of the Second Envelope of this Tender document and shall remain binding upon us and may be accepted at any time before the expiry of the period.

3. 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".
4. We understand that you are not bound to accept a lowest offer that you may receive after Tender validity.
5. We accept that all disputes between parties will be adjudicated by a competent court in Bangalore, India.

Signature

(Name and Address of the Tender with seal)