

SELCO FOUNDATION

TENDER NOTIFICATION
FOR CONSTRUCTION OF 8 UNITS OF ENERGY EFFICIENT
LOW INCOME HOUSING IN THANE DISTRICT,
MAHARASHTRA

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**

1. CONTENTS OF BID DOCUMENT

SECTION	DESCRIPTION	PAGE NO.
I	BID INVITATION	4
II	INSTRUCTIONS TO BIDDERS	5-8
III & IV	TECHNICAL SPECIFICATIONS & MATERIAL SPECIFICATIONS	9-13

2. LIST OF DOCUMENTS TO BE SUBMITTED IN FIRST COVER (IN TECHNICAL BID)

TABLE	DESCRIPTION	PAGE NO.
I	DETAILS OF ORGANISATION - ANNEXURE 5	26
II	CHECK LIST OF DOCUMENTS TO BE SUBMITTED IN FIRST COVER - ANNEXURE 6	27
III	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 DESIGN LAYOUT 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	-

3. LIST OF DOCUMENTS TO BE SUBMITTED IN SECOND COVER (IN FINANCIAL BID)

TABLE	DESCRIPTION	PAGE NO.
I	SERVICE COST, BILL OF QUANTITIES AND RATE CARD - ANNEXURE 4	15/25

SELCO Foundation
#690 15th Cross J P Nagar 2nd Phase
Bangalore - 560078
Telephone: 080-26493145
e-mail: procurement@selcofoundation.org

Dated 12-10-2020

BID INVITATION: CONSTRUCTION OF ENERGY EFFICIENT LOW-INCOME HOUSING IN THANE DISTRICT, MAHARASHTRA

Chief Executive Officer of SELCO Foundation, #690, 15th Cross, 2nd Phase, JP Nagar, Bengaluru - 78, Karnataka State, India hereby invites bids for “**ENERGY EFFICIENT LOW-INCOME HOUSING IN THANE DISTRICT, MAHARASHTRA** during the year 2020-21 spread across villages in Vangani area of Thane district.

1	Tender Reference No.	02
2	Last date & Time for submission Bids	27-10-2020, 5pm
3	Date of opening of first Cover (Technical Bid) & Second Cover (Financial bids)	28-10-2020
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 a minimum of 3 year in the field of housing using traditional construction methodology such as mud, lime, wattle and daub, treated timber, treated bamboo, etc. with previous project reports and photos.
- b. The company should demonstrate experience in traditional roof using Mangalore tiles and timber members
- c. The company should demonstrate experience in construction finishes such as lime plaster, mud plaster, exposed brick or stone wall, etc.
- d. Bidders registration certificates or any other proof of incorporation to be submitted to establish the legal status.
- e. Bidders should provide Maintenance and Repair services. It is expected that complaints will be addressed within 4 days of lodging after handover of the sites.
- f. Audited Income Tax return for the last 2 financial year
- g. PAN card for the Organization.
- h. Self-Declaration Certificate to declare that the organization is not blacklisted.
- i. Bidders should self-declare that the following services will be delivered in-house without outsourcing to a third-party organization
 - i. Procurement, monitoring and execution of the construction for all 8 houses adhering to timelines and budget.
 - ii. Setting up of rainwater harvesting system for all houses
- j. The bidders should provide equal opportunities of employment to local tradespeople and local masons.
- k. Bidders need to be able to complete the construction of all 8 homes within the timeframe of 4.5 months (from the time of release of the Work Order)
- l. 0.5 % of the contract sum per week or part thereof delay subject to maximum of 5% of the contract sum.
- m. Workmen compensation policy in original will be submitted to SELCO Foundation within 15 days of date of commencement.

- n. Any increase in WCT or service tax or labor cess by the government shall be adjusted through the running bill.
- o. Interested and eligible Bidders may obtain further information or clarification for site location/visit either in person or through phone during office hours from the office of the SELCO Foundation Ph: 080-26493145 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 guarantee for quality of construction in terms of roof leakage and seepage from walls
- iv. The bidder has to submit an acceptance letter stating all the construction specifications and design requirements specified by the design and structural consultants will be followed before construction commences on sites
- v. Any changes in design due to site conditions or material availability will be carried out with prior approval by SELCO Foundation.
- vi. Declaration of services as outlined in the eligibility criteria
- vii. Submission of technical specification as per designs and specifications of materials outlined in Annexure 1 and Annexure 2
- viii. 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

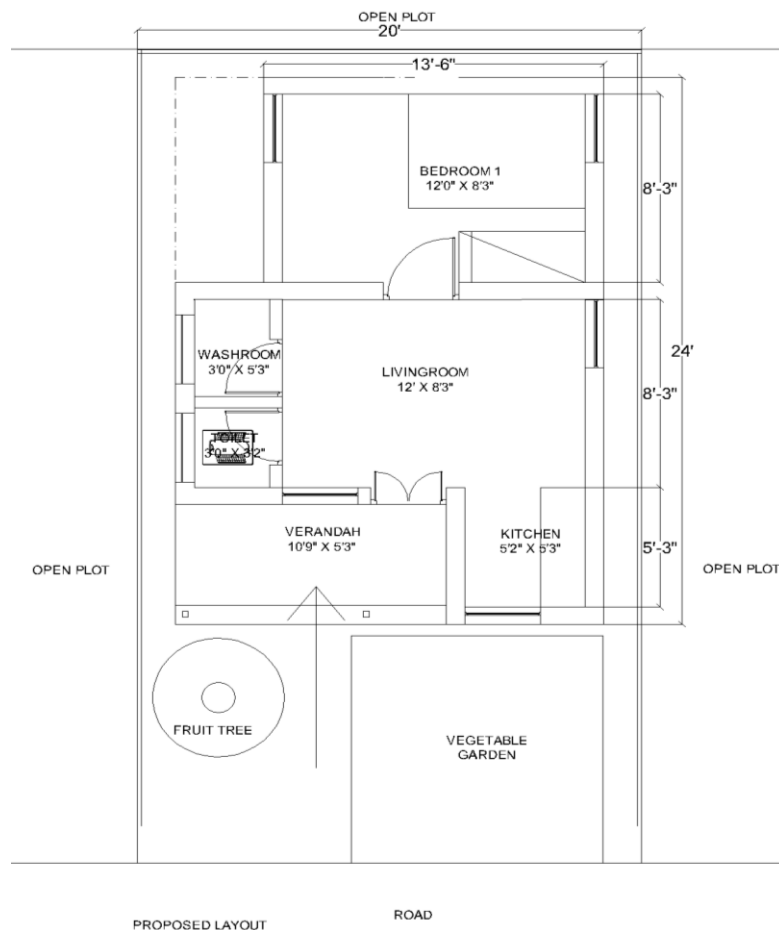
TECHNICAL SPECIFICATIONS

DESIGN LAYOUT (TEMPLATE FOR BENCHMARK COSTING)

Characteristics of dwelling units:

1. 6 Houses of approx. 350 sq.ft. and 2 houses of approx. 200 sq.ft.(excluding mezzanine floor) one bedroom inclusive of Living, Verandah, Kitchen, Toilet and Bathroom
2. 3 design prototypes will be built for the 8 houses demonstrating 2 different walling techniques, namely, 1) CSEB blocks, 2) burnt bricks
3. The roofing will be 3 types namely 1) Mangalore tiles with timber structural members and bison board false ceiling 2) flat filler slab 3) Mangalore tiles with MS fabrication and bison board false ceiling.
4. Lime/mud plaster on surfaces as per the design

The layout shown below is indicative and subject to change as per site conditions and user needs



ANNEXURE - 2

2. MATERIAL SPECIFICATIONS

THANE HOUSING- SPECIFICATIONS for 8 no's	
Sl.No.	Description
1	SITE CLEARANCE (done by community members)
	Note: Unless otherwise specified the rate quoted should be inclusive of the following.
2	EARTH WORK
	Site clearance, setting out the work, dewatering by pumping, shoring, strutting to the sides of the excavation wherever required.
	Using mechanical equipment for excavation, levelling, compaction, rollers, etc.; as needed for the work.
	Cutting to profile, Leveling, grading, trimming, benching and tamping as directed.
	The Excess depth of excavation shall be filled and levelled with compact earth & PCC 1:5:10 at no extra cost.
2.1	EARTH WORK EXCAVATION
	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (not exceeding 1m in depth. 0.6 m in width including disposal of excavated earth, lead up to 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed
3	EARTH FILLING
	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.
4	STONE WORK FOR FOUNDATION
	Providing and constructing granite / trap / basalt random rubble masonry in Foundation with lime stabilized mud mortar with 10% lime, edged chiseled for corner stones, bond stones at 1.2 m. apart in each course including cost of materials, labor, scaffolding, curing complete as per specifications.
5	PCC
	Providing and laying in position plain cement concrete of mix 1:2:4 (M15) with OPC cement @ 240kgs, with 40mm and down size coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, mechanical vibration, curing complete as per specifications.
6	RCC - PLINTH & LINTEL BEAM

	<p>Providing and laying cement concrete using 20 mm and down size coarse aggregates and fine aggregates for R.C.C works laid as maximum of 12 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) site mixed Cement concrete M-20 grade.</p> <p>Provisioning cement plastering with 1:4 (cement: sand) for the beam surface included.</p>
7	PLINTH & LINTEL BEAM-STEEL
	Steel Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete above plinth level
8	BRICK WORK (Solid blocks 9" and 4"THK)
a	Burnt brick masonry: Providing and constructing burnt brick masonry with standard bricks of size 4.5" X 9" X 3" with lime stabilised mud mortar with 10% of lime upto the height of 10'0" and 9" wall thickness including cost of materials, labour and curing complete as per specifications. The lime stabilised mud mortar joints should not exceed 15mm - For 9inch main walls
b	Burnt brick masonry Partition walls: Providing and constructing burnt brick masonry with standard bricks of size 4.5" X 9" X 3" with lime stabilised mud mortar with 10% of lime upto the height of 10'0" and 4.5" wall thickness including cost of materials, labour and curing complete as per specifications. The lime stabilised mud mortar joints should not exceed 15mm - For 9inch main walls
	OR
8a	Cement Stabilised Earth Block (CSEB) masonry: Providing and constructing burnt brick masonry with standard bricks of size 7.5" X 9" X 4" with cement mud mortar in 10% cement upto the height of 10'0" including cost of materials, labour and curing complete as per specifications. The cement mortar joints should not exceed 15mm
8b	Cement Stabilised Earth Block (CSEB) masonry partition walls with 7.5": Providing and constructing burnt brick masonry with standard bricks of size 7.5" X 9" X 4" with cement mud mortar in 10% cement upto the height of 10'0" including cost of materials, labour and curing complete as per specifications. The cement mortar joints should not exceed 15mm
9	FLOORING
	Providing and laying terracotta tiles/ finished kota flooring, with an under layer of 30mm thick M-15 cement concrete, using aggregates of 12.5mm nominal size including cost of materials, labour, curing, complete as per specifications.
10	PLASTERING for Burnt brick walls
	Providing and laying minimum 12mm thick 10% lime mud plaster with 2 no's of 6mm coats for external and internal plastering to masonry walls with waterproofing compound as approved. Plaster with 10% lime
	OR

10	PLASTERING for CSEB walls
	Providing and laying minimum 12mm thick 10% lime mud plaster with 2 no's of 6mm coats for external and internal plastering to masonry walls with waterproofing compound as approved. Plaster with 10% lime
11	PAINTING
	Providing and applying ready mix lime paint/ white wash with approved color shades
12	MEZZANINE FLOOR (IN 2-3 CASES)
	Providing Treated Timber wood rafters and purlins flooring with timber boarding as floor finish as per the specifications with approved staircase
13	ROOF WORK: Providing Treated Timber wood/MS steel rafters and purlins as per the specifications in the drawings. Mangalore tiles - Top tiles only of size 16inch x 10inch with Insulation layer / underlying sheets for waterproofing - bison board of 12mm thick
	OR
14	ROOF WORK: Providing and laying of concrete filler slab with terracotta infills with appropriate gradient slope waterproofing and internal plaster
14	Rainwater gutter and pipes connected to rainwater harvesting tank
15	BUILT-IN FURNITURE
	Bathroom Cabinets- (2 ft x 3ft) - 18 mm thick Kadappa stone racks with brick support
	Bedroom Cabinets- (2 ft x4 ft) - 18 mm thick Kadappa stone with brick support
	Cantilever bay window/kitchen counter with 18mm Kadappa slab
	Built in bed (3ft x9ft) as per design specifications
	Kadappa loft storage (2ft x4ft)
16	DOORS & WINDOWS- As per drawing Number
	600*600 Timber windows (Swing Hinge type with 8mm timber shutters or wattle and daub framework with mosquito mesh. Providing necessary hardware
	1000*1000 Timber windows (Swing Hinge type with 8mm timber shutters or wattle and daub framework with mosquito mesh. Providing necessary hardware
	600*450 timber framed louvered window for toilets with mosquito mesh. Providing necessary hardware
	Providing and fixing of Terracotta Jallis as specified in the design.
	Providing and fitting of flush main doors with timber frame and hinged timber shutters with necessary hardware
	Providing and fitting of flush main doors with timber frame and shutter
	UPVC Doors/jungle wood door with fixtures for bathroom and toilet

17	KITCHEN
	Main Sink Faucet: Jaquar / parryware / Hindware or Equivalent
	Any Other Faucet & Accessories ISI Certified fittings. (pipe, drain pipe, sink pipe, internal plumbing line, drain traps)
	Kitchen Sink Stainless Steel single sink
	Kitchen polished Kadappa stone counter with storage below of 38mm thick (2ft x 8ft 8 inch).
18	PLUMBING
	Bathroom Accessories – IWC, Health Faucet, wash Basin with accessories and taps.
	Water tank of capacity 1000L with support stand either MS or Civil waste / Leftover
19	ELECTRICAL
	Electrical • Wires – Fireproof wires by Finolex • Switches & Sockets Anchor Roma
	Other Expenses and transportation
	Solar Equipment and installation
	2x 20w light + 1x10w + 2x 5w + 3 ceiling fans

Dated this _____ day of _____ 2020

The above technical specifications read and understood and signed

Signature of the bidder and address with seal

ANNEXURE - 3

PROGRAMME TIMELINES

Design		
Deliverable		Timeline
Pre construction planning	<ul style="list-style-type: none"> ● Statutory approvals ● Construction document preparation ● Masons and Helpers Identification ● Procurement of materials as per specified quality 	1 month

Deliverable		Timeline
Substructure	<ul style="list-style-type: none"> ● Site Inspection ● Kick off meeting ● Site marking ● Excavation ● Foundation ● Plinth beam 	3 months
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 	

ANNEXURE - 4

SERVICE COST, BILL OF QUANTITIES AND RATE CARD

THANE HOUSING-BoQ (300-320sft built-up) for 3 nos				
Sl.No.	Description	Unit	Quantity	Rate
1	SITE CLEARANCE (done by community members)	site	nill	nill
	Note: Unless otherwise specified the rate quoted should be inclusive of the following.			
2	EARTH WORK			
	Site clearance, setting out the work, dewatering by pumping, shoring, strutting to the sides of the excavation wherever required.	SQM	45	
	Using mechanical equipment for excavation, levelling, compaction, rollers, etc.; as needed for the work.			
	Cutting to profile, Leveling, grading, trimming, benching and tamping as directed.			
	The Excess depth of excavation shall be filled and levelled with compact earth & PCC 1:5:10 at no extra cost.			
1.1	EARTH WORK EXCAVATION			
	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (not exceeding 1m in depth. 0.6 m in width including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed	CUM	35	
2	EARTH FILLING			
	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	CUM	6	
3	STONE WORK FOR FOUNDATION			
	Providing and constructing granite / trap / basalt random rubble masonry in Foundation with lime stabilized mud mortar with 10% lime, edged chiseled for corner stones, bond stones at 1.2 m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications.	CUM	18	
4	PCC			

	Providing and laying in position plain cement concrete of mix 1:2:4 (M15) with OPC cement @ 240kgs, with 40mm and down size coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, mechanical vibration, curing complete as per specifications.	CUM	2	
5	RCC - PLINTH & LINTEL BEAM			
	Providing and laying cement concrete using 20 mm and down size coarse aggregates and fine aggregates for R.C.C works laid as maximum of 12 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) site mixed Cement concrete M-20 grade. Provisioning cement plastering with 1:4	CUM	7	
6	PLINTH BEAM-STEEL			
	Steel Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete above plinth level	Kgs	700	
7	BRICK WORK (Solid blocks 9" and 4"THK)			
a	Burnt brick masonry: Providing and constructing burnt brick masonry with standard bricks of size 4.5" X 9" X 4" with lime stabilised mud mortar with 10% of lime upto the height of 10'0" and 9" wall thickness including cost of materials, labour and curing complete as per specifications. The lime stabilised mud mortar joints should not exceed 15mm - For 9inch main walls	CuM	24	
b	Burnt brick masonry Partition walls: Providing and constructing burnt brick masonry with standard bricks of size 4.5" X 9" X 4" with lime stabilised mud mortar with 10% of lime upto the height of 10'0" and 4.5" wall thickness including cost of materials, labour and curing complete as per specifications. The lime stabilised mud mortar joints should not exceed 15mm - For 9inch main walls	Cum	3	
8	FLOORING			
	Providing and laying terracotta tiles/ finished kota flooring, with an under layer of 30mm thick M-15 cement concrete, using aggregates of 12.5mm nominal size including cost of materials, labour, curing, complete as per specifications.	SQM	35	
9	PLASTERING for Burnt brick walls			

	Providing and laying minimum 12mm thick 10% lime mud plaster with 2 no's of 6mm coats for external and internal plastering to masonry walls with waterproofing compound as approved. Plaster with 10% lime	SQM	150	
10	PAINTING			
	Providing and applying ready mix lime paint/ white wash with approved color shades	SQM	140	
11	ROOF WORK: Providing Treated Timber wood rafters and purlins as per the specifications in the drawings. Mangalore tiles - Top tiles only of size 16inch x 10inch with Insulation layer / underlying sheets for waterproofing -bison board of 12mm thick	SQM	60	
12	Rainwater gutter and pipes connected to rainwater harvesting tank	LS	2	
13	BUILT-IN FURNITURE			
	Bathroom Cabinets- (2 ft x 3ft) - 18 mm thick Kadappa stone racks with brick support	1		
	Bedroom Cabinets- (2 ft x4 ft) - 18 mm thick Kadappa stone with brick support	2		
	Cantilever bay window/kitchen counter with 18mm kadappa slab	2		
	Kadappa loft storage (2ft x4ft)	3		
14	DOORS & WINDOWS- As per drawing Number			
	600*600 Timber windows (Swing Hinge type with 8mm timber shutters or wattle and daub framework with mosquito mesh. Providing necessary hardware	Nos	4	
	1000*1000 Timber windows (Swing Hinge type with 8mm timber shutters or wattle and daub framework with mosquito mesh. Providing necessary hardware	Nos	3	
	600*450 timber framed louvered window for toilets with mosquito mesh. Providing necessary hardware	Nos	2	
	Providing and fixing of Terracotta Jallis as specified in the design.	SqM	2	
	Providing and fitting of flush main doors with timber frame and hinged timber shutters with necessary hardware	Nos	1	
	Providing and fitting of flush main doors with timber frame and shutter	Nos	1	
	UPVC Doors/jungle wood door with fixtures for bathroom and toilet	Nos	2	
15	KITCHEN			
	Main Sink Faucet: Jaquar / parryware / Hindware or Equivalent		1	

	Any Other Faucet & Accessories ISI Certified fittings. (pipe, drain pipe, sink pipe, internal plumbing line, drain traps)		LS	
	Kitchen Sink Stainless Steel single sink		1	
	Kitchen polished Kadappa stone counter with storage below of 38mm thick (2ft x 8ft 8 inch).	sft	20	
16	PLUMBING			
	Bathroom Accessories – IWC, Health Faucet, wash Basin with accessories and taps.	LS	1	
	Water tank of capacity 1000L with support stand either MS or Civil waste / Leftover	LS	1	
17	ELECTRICAL			
	Electrical • Wires – Fireproof wires by Finolex • Switches & Sockets Anchor Roma	LS	1	
	Other Expenses and transportation	LS	1	
	Solar Equipment and installation			
	2x 20w light + 1x10w + 2x 5w + 3 ceiling fans	LS	1	
18	LABOURCOST	LS	1	
I	TOTAL COST WITH BURNT BRICKS WALLS WITH SLOPING MANGALORE TILES ROOF (FOR 3 HOUSE)			
	COST FOR 3 HOUSE (A)			

THANE HOUSING-BoQ (300-320sft built-up) for 3 nos				
SI.No.	Description	Unit	Quantity	Rate
1	SITE CLEARANCE done by community members)	site	nill	nill
	Not: Unless otherwise specified the rate quoted should be inclusive of the following.			
2	EARTH WORK			
	Site clearance, setting out the work, dewatering by pumping, shoring, strutting to the sides of the excavation wherever required.	SQM	45	
	Using mechanical equipment for excavation, levelling, compaction, rollers, etc.; as needed for the work.			
	Cutting to profile, Leveling, grading, trimming, benching and tamping as directed.			

	The Excess depth of excavation shall be filled and levelled with compact earth & PCC 1:5:10 at no extra cost.			
1.1	EARTH WORK EXCAVATION			
	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (not exceeding 1m in depth. 0.6 m in width including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed	CUM	35	
2	EARTH FILLING			
	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	CUM	6	
3	STONE WORK FOR FOUNDATION			
	Providing and constructing granite / trap / basalt random rubble masonry in Foundation with lime stabilized mud mortar with 10% lime, edged chiseled for corner stones, bond stones at 1.2 m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications.	CUM	18	
4	PCC			
	Providing and laying in position plain cement concrete of mix 1:2:4 (M15) with OPC cement @ 240kgs, with 40mm and down size coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, mechanical vibration, curing complete as per specifications.	CUM	2	
5	RCC - PLINTH & LINTEL beam			
	Providing and laying cement concrete using 20 mm and down size coarse aggregates and fine aggregates for R.C.C works laid as maximum of 12 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) site mixed Cement concrete M-20 grade. Provisioning cement plastering with 1:4	CUM	7	
6	PLINTH & LINTEL BEAM-STEEL			
	Steel Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete above plinth level	Kgs	700	

7	BRICK WORK (Solid blocks 9" and 4"THK)			
a	Burnt brick masonry: Providing and constructing burnt brick masonry with standard bricks of size 4.5" X 9" X 3" with lime stabilised mud mortar with 10% of lime upto the height of 10'0" and 9" wall thickness including cost of materials, labour and curing complete as per specifications. The lime stabilised mud mortar joints should not exceed 15mm - For 9inch main walls	CuM	24	
b	Burnt brick masonry Partition walls: Providing and constructing burnt brick masonry with standard bricks of size 4.5" X 9" X 3" with lime stabilised mud mortar with 10% of lime upto the height of 10'0" and 4.5" wall thkness including cost of materials, labour and curing complete as per specifications. The lime stabilised mud mortar joints should not exceed 15mm - For 9inch main walls	Cum	3	
8	FLOORING			
	Providing and laying terracotta tiles/ finished kota flooring, with an under layer of 30mm thick M-15 cement concrete, using aggregates of 12.5mm nominal size including cost of materials, labour, curing, complete as per specifications.	SQM	35	
9	PLASTERING for Burnt brick walls			
	Providing and laying minimum 12mm thick 10% lime mud plaster with 2 no's of 6mm coats for external and internal plastering to masonry walls with waterproofing compound as approved. Plaster with 10% lime	SQM	150	
10	PAINTING			
	Providing and applying ready mix lime paint/ white wash with approved color shades	SQM	240	
11	ROOF WORK: Providing and laying of concrete filler slab with terracotta infills with appropriate gradient slope waterproofing and internal plaster	SQM	40	
12	Rainwater gutter and pipes connected to rainwater harvesting tank	LS	2	
13	BUILT-IN FURNITURE			
	Bathroom Cabinets- (2 ft x 3ft) - 18 mm thick Kadappa stone racks with brick support	1		
	Bedroom Cabinets- (2 ft x4 ft) - 18 mm thick Kadappa stone with brick support	2		
	Built In bed slab (3ft x 9ft) as per the details	1		
	Kadappa loft storage (2ft x4ft)	3		

14	DOORS & WINDOWS- As per drawing Number			
	600*600 Timber windows (Swing Hinge type with 8mm timber shutters or wattle and daub framework with mosquito mesh. Providing necessary hardware	Nos	4	
	1000*1000 Timber windows (Swing Hinge type with 8mm timber shutters or wattle and daub framework with mosquito mesh. Providing necessary hardware	Nos	3	
	600*450 timber framed louvered window for toilets with mosquito mesh. Providing necessary hardware	Nos	2	
	Providing and fixing of Terracotta Jallis as specified in the design.	SqM	2	
	Providing and fitting of flush main doors with timber frame and hinged timber shutters with necessary hardware	Nos	1	
	Providing and fitting of flush main doors with timber frame and shutter	Nos	1	
	UPVC Doors/jungle wood door with fixtures for bathroom and toilet	Nos	2	
15	KITCHEN			
	Main Sink Faucet: Jaquar / parryware / Hindware or Equivalent		1	
	Any Other Faucet & Accessories ISI Certified fittings. (pipe, drain pipe, sink pipe, internal plumbing line, drain traps)		LS	
	Kitchen Sink Stainless Steel single sink		1	
	Kitchen polished Kadappa stone counter with storage below of 38mm thick (2ft x 8ft 8 inch).	sft	20	
16	PLUMBING			
	Bathroom Accessories – IWC, Health Faucet, wash Basin with accessories and taps.	LS	1	
	Water tank of capacity 1000L with support stand either MS or Civil waste / Leftover	LS	1	
17	ELECTRICAL			
	Electrical • Wires – Fireproof wires by Finolex • Switches & Sockets Anchor Roma	LS	1	
	Other Expenses and transportation	LS	1	
	Solar Equipment and installation			
	2x 20w light + 1x10w + 2x 5w + 3 ceiling fans	LS	1	
18	LABOURCOST	LS	1	

II	TOTAL COST WITH BURNT BRICK WALLS WITH FLAT FILLER SLAB (FOR 3 HOUSE)		
	COST FOR 3 HOUSES (B)		

KARJAT HOUSING-BoQ (180-200sft built-up) for 2 nos				
Sl.No.	Description	Unit	Quantity	Rate
1	SITE CLEARANCE (done by community members)	site	nill	nill
	Note: Unless otherwise specified the rate quoted should be inclusive of the following.			
2	EARTH WORK			
	Site clearance, setting out the work , dewatering by pumping, shoring, strutting to the sides of the excavation wherever required.	SQM	25	
	Using mechanical equipment for excavation, levelling, compaction, rollers, etc ; as needed for the work.			
	Cutting to profile, Leveling, grading, trimming,benching and tamping as directed.			
	The Excess depth of excavation shall be filled and levelled with compact earth & PCC 1:5:10 at no extra cost.			
2.1	EARTH WORK EXCAVATION			
	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (not exceeding 1m in depth. 0.6 m in width including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed	CUM	25	
2.2	EARTH FILLING			
	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	CUM	5	
3	STONE WORK FOR FOUNDATION			
	Providing and constructing granite / trap / basalt random rubble masonry in Foundation with lime stabilized mud mortar with 10% lime , edged chiseled for corner stones, bond stones at 1.2 m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications.	CUM	14	
4	PCC			

	Providing and laying in position plain cement concrete of mix 1:2:4 (M15) with OPC cement @ 240kgs, with 40mm and down size coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, mechanical vibration, curing complete as per specifications.	CUM	1.5	
5	RCC - PLINTH & LINTEL BEAM			
	Providing and laying cement concrete using 20 mm and down size coarse aggregates and fine aggregates for R.C.C works laid as maximum of 12 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) site mixed Cement concrete M-20 grade. Provisioning cement plastering with 1:4 (cement:sand) for the beam surface included.	CUM	7	
6	PLINTH & LINTEL BEAM-STEEL			
	Steel Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete above plinth level	Kgs	700	
7	CSEB MASONRY			
7a	Cement Stabilised Earth Block (CSEB) masonry: Providing and constructing burnt brick masonry with standard bricks of size 7.5" X 9" X 4" with cement mud mortar in 10% cement upto the height of 10'0" including cost of materials, labour and curing complete as per specifications. The cement mortar joints should not exceed 15mm	CuM	24	
7b	Cement Stabilised Earth Block (CSEB) masonry partition walls with 7.5": Providing and constructing burnt brick masonry with standard bricks of size 7.5" X 9" X 4" with cement mud mortar in 10% cement upto the height of 10'0" including cost of materials, labour and curing complete as per specifications. The cement mortar joints should not exceed 15mm		3	
8	FLOORING			
	Providing and laying terracotta tiles/ finished kota flooring, with an under layer of 30mm thick M-15 cement concrete, using aggregates of 12.5mm nominal size including cost of materials, labour, curing, complete as per specifications.	SQM	20	
9	PLASTERING for CSEB walls			

	Providing and laying minimum 12mm thick 10% lime mud plaster with 2 no's of 6mm coats for external and internal plastering to masonry walls with waterproofing compound as approved. Plaster with 10% lime	SQM	50	
10	PAINTING			
	Providing and applying ready mix lime paint/ white wash with approved color shades	SQM	240	
11	ROOF WORK: Providing MS steel rafters and purlins framework as per the specifications in the drawings. Mangalore tiles - Top tiles only of size 16inch x 10inch with Insulation layer / underlying sheets for waterproofing -bison board of 12mm thick	SQM	40	
12	MEZZANINE FLOOR WORK: Providing Treated Timber wood rafters and purlins flooring with timber boarding as floor finish as per the specifications with approved staircase	SQM	14	
13	Rainwater gutter and pipes connected to rainwater harvesting tank	LS	2	
14	BUILT-IN FURNITURE			
	Bathroom Cabinets- (2 ft x 3ft) - 18 mm thick Kadappa stone racks with brick support	1		
	Bedroom Cabinets- (2 ft x4 ft) - 18 mm thick Kadappa stone with brick support	2		
	Kadappa loft storage (2ft x4ft)	3		
15	DOORS & WINDOWS as per drawing Number			
	600*600 Timber windows (Swing Hinge type with 8mm timber shutters or wattle and daub framework with mosquito mesh. Providing necessary hardware	Nos	4	
	1000*1000 Timber windows (Swing Hinge type with 8mm timber shutters or wattle and daub framework with mosquito mesh. Providing necessary hardware	Nos	3	
	600*450 timber framed louvered window for toilets with mosquito mesh. Providing necessary hardware	Nos	2	
	Providing and fixing of Terracotta Jallis as specified in the design.	SqM	2	
	Providing and fitting of flush main doors with timber frame and hinged timber shutters with necessary hardware	Nos	1	
	Providing and fitting of flush main doors with timber frame and shutter	Nos	1	
	UPVC Doors/jungle wood door with fixtures for bathroom and toilet	Nos	2	
16	KITCHEN			

	Main Sink Faucet: Jaquar / parryware / Hindware or Equivalent		1	
	Any Other Faucet & Accessories ISI Certified fittings. (pipe, drain pipe, sink pipe, internal plumbing line, drain traps)		LS	
	Kitchen Sink Stainless Steel single sink		1	
	Kitchen polished Kadappa stone counter with storage below of 38mm thick (2ft x 8ft 8 inch).	sft	20	
17	PLUMBING			
	Bathroom Accessories – IWC, Health Faucet, wash Basin with accessories and taps.	LS	1	
	Water tank of capacity 1000L with support stand either MS or Civil waste / Leftover	LS	1	
18	ELECTRICAL			
	Electrical • Wires – Fireproof wires by Finolex • Switches & Sockets Anchor Roma	LS	1	
	Other Expenses and transportation	LS	1	
	Solar Equipment and installation			
	2x 20w light + 1x10w + 2x 5w + 3 ceiling fans	LS	1	
19	LABOUR COST	LS	1	
III	TOTAL COST WITH CSEB WALLS WITH SLOPING MANGALORE TILES ROOF WITH MEZZANINE (FOR 2 HOUSE)			
	COST FOR 2 HOUSE (C)			
	TOTAL(A+B+C)			
	WITH GST			
	GRAND TOTAL			

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	
9	Project report and photos of prior projects completed by the firm showing construction technologies such as mud, lime, wattle and daub, treated timber, treated bamboo, etc.	

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 letter to give 15 years warranty for quality of construction		

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 8 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)