**THE STATE TRADING CORPORATION OF INDIA LIMITED**
**JAWAHAR VYAPAR BHAVAN, TOLSTOY MARG, NEW DELHI-110001.**

**TENDER FOR SUPPLY OF BRICK MAKING MACHINES, FAMILY TENTS AND 10-15 TON TRUCK TO REPUBLIC OF MALAWI UNDER GOVERNMENT OF INDIA'S HUMANITARIAN ASSISTANCE PROGRAMME.**

**(GOVT GRANT DIVISION)**

**NO.STC/GG/MALAWI/20010-11** **Dated : 8.12.2010**

SUB:- **TENDER FOR SUPPLY OF BRICK MAKING MACHINES, FAMILY TENTS AND 10-15 TON TRUCK TO REPUBLIC OF MALAWI**

Ministry of External Affairs, Government of India is proposing to supply 58 Nos. of Stabilised Soil Brick (SSB) Making Machines, 600 Nos. of Family Tents for 5-6 people (4X4 meters) and 1 No. of 10-15 Ton Truck to Republic of Malawi. Please submit your competitive offer on two bid system (Technical & Commercial bids to be submitted separately). The main terms and conditions are as under:-

1. **ITEMS:** 58 NOS. OF STABILISED SOIL BRICK (SSB) MAKING MACHINES, 600 NOS. OF FAMILY TENTS FOR 5-6 PEOPLE (4x4 METERS) AND 1 NO. OF 10-15 TON TRUCK.

2. **SPECIFICATIONS:** As per annexures no. I, II, III

3. **PRICE :** Please quote FOB & CIF Lilongwe (Malawi) (By Air / By Sea) price in Indian Rupees only. FOB & CIF prices are to be quoted for the items specified in Annexure – I,II & III. The total CIF value quoted should be inclusive of:
   - STC's Trade Margin @ 2.5% on FOB price.
   - All taxes, local levies etc levied in India.
   - Inspection charges (as the pre-shipment inspection of the above items is to be carried out by an Internationally reputed Independent Inspection Agency.
   - Insurance Cover @ 110% of the total contract value on warehouse to warehouse basis covering all risk i.e. ICCA Cover.

4. **Earnest Money Deposit (EMD) :** Bidders are required to furnish an EMD @ 3% of the total quoted price by way of PO/DD issued by a scheduled bank in favour of 'The State Trading Corporation of India Ltd." along with the offer. Offers received without EMD shall be rejected.

5. **VALIDITY:** Offers submitted under this tender should be valid for 6 months from the due date of the tender.

6. **DELIVERY :** Within 8 weeks from the date of MEA's confirmed order on STC.

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7. **DESTINATION**: CIF -LILONGWE (REPUBLIC OF MALAWI).

8. **LIQUIDATED DAMAGAES :** If there is delay in delivery of the material beyond the stipulated time, a penalty of 0.5% per day of the total value, subject to a maximum of 10% of the contract value shall be levied on the supplier.

9. **PAYMENT TERMS :** 90% of the cost of goods will be released against proof of dispatch on submission of shipping documents, invoices, pre-shipment inspection clearance certificate etc. and on receipt of funds from the Ministry of External Affairs (after adjusting STC's Trade Margin and other charges, if any). Balance 10% will be released after arrival of the goods at destination and on receipt of certificate from the Indian Embassy/Consulate certifying the receipt of goods in satisfactory conditions in Malawi and upon receipt of funds from the Ministry of External Affairs.

10. **PERFORMANCE BANK GUARANTEE:** The successful bidder would be required to submit performance bank guarantee for 10% value of the order within 3 working days of placement of Letter of Intent. Failure to submit the performance bank guarantee can lead to cancellation of the order and forfeiture of the EMD.

11. **INSPECTION:** The consignment will be inspected at pre-shipment stage by an international reputed independent inspection agency to be appointed by STC. The charges for this inspection shall be borne by the supplier.

12. **INSURANCE :** Supplier to arrange comprehensive all risk insurance cover (ICCA Cover) in the name of S.T.C. of India Ltd for 110% value of the goods till its arrival at the final destination in Malawi and taking possession of the goods by the consignee.

13. **TAXES :** Price quoted should be inclusive of all taxes payable in India.

14. **PACKING:** Supplies should be in export worthy packing confirming to the prescribed international standards for air-lifting / shipment by sea which should withstand multiple handling.

15. **MARKING :** "DONATION BY GOVERNMENT & PEOPLE OF INDIA TO THE PEOPLE OF THE REPUBLIC OF MALAWI".

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**16. WARRANTY:**

(a) The manufacturer/suppliers of tents will provide two years warranty on tents.

(b) The manufacturer/suppliers of truck and brick making machine shall be required to provide one year warranty and shall extend 5 years after sales service in Malawi.

**17. SETTLEMENT OF DISPUTE:**

Any dispute or difference in respect of any matter relating to the tender and the contract emanating from this tender between STC and the supplier shall be settled at New Delhi by arbitration in accordance with the Rule of Arbitration of the Indian Council of Arbitration, New Delhi and the award made in pursuance thereof shall be final and binding on the parties. The Arbitrator shall give a reasoned award.

**PLEASE NOTE:** These transactions shall be treated as local sale, hence no export incentives are applicable on these transactions/supplies.

- Inspection will be done by the representatives of STC, Malawi High Commission in New Delhi and MEA, before approving purchase order for supply of Brick Making Machine, as we would like to send a machine only if the same is presentable and acceptable to the receiving country.

- Conditional offers and offers not confirming to STC's terms and conditions mentioned above shall not be accepted/considered.

- Upon receipt of order from Ministry of External Affairs, successful bidder will be required to enter into back to back contract with STC incorporating all tender terms and conditions and indemnifying STC against all claims/losses.

- All taxes levies etc., if applicable and leviable in India, relating to the above supplies will be to the account of the supplier.

- STC reserves its right either to select or reject any offer without assigning any reason.

- Parties having past experience in executing supply orders of MEA / export of Brick Making Machine (SSB), Family Tents and Truck may submit details of orders along with documentary evidence with their offer.

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- Supplier to give a declaration that they have not been black-listed by any Government organization and also that STC / Govt. of India has not suffered any losses or business reputation through them.

- The prospective supplier should have minimum Rs.10.00 Crores annual sales turnover for the last three years.

- Suppliers to furnish a certificate that the Brick Making Machine (SSB), Family Tents and Truck supplied will be of standard quality manufactured in accordance with the tender specifications and as per latest ISO approved norms.

Please arrange to deposit your offer in a sealed cover in the tender box placed on the ground floor near STC's reception at above address latest by 11.30 AM on or before 22.12.2010.

Thanking you,

**FOR S.T.C. OF INDIA LTD.,**

**(G.C. KHUTTAN)**
**GENERAL MANAGER**

## Annexure-I

**ITEM: Brick Making Machine for manufacturing Stabilised Soil Brick Making Machine(SSB)**

**Quantity- 58 Nos.**

Technology for producing Stabilised Soil Bricks:

Stabilised soil bricks technology offers a cost effective, environmentally sound masonry system. The product has a wide application in construction and is manufactured by compacting earth (murram/sub-soil) mixed with a stabilizer such as cement or lime. The bricks are then laid out in the sun and cured rather than being fired. Stabilized Soil Blocks (SSB) are made from ordinary soils adding a small percentage of cement between 5-10% is added to the soil to stabilize it. In some instances, sand is added to achieve right particle ratios. After mixing the sand with cement, and adding a little water, the wet mix is put in a manually operated brick Press, where it is highly compressed resulting in a strong dense solid brick. On average, one bag of cement produces 150 SSB.

SSB can be used almost everywhere as long as the local soils are suitable for stabilization.
SSB technology has the benefits listed below when used for construction:

1. SSB technology is environmental friendly by conserving trees which are widely used to burnt bricks for construction. By using SSB instead of burnt bricks it saves trees that are required to burn bricks.

2. SSB can be manufactured direct on the construction compound or site, saving a lot of expenses that could be incurred in form of transportation costs.

3. Creates local employment, as SSB technology is a labour intensive. One brick press creates jobs for six people.

4. SSB is a recognized permanent building material with similar durability to burnt bricks or concreted blocks.

5. As the brick press is manually operated, SSB can be produced even in the remotest location as the technology is dependent on human energy and not fuel or electricity.

6. Uses very little water in the manufacturing process compared to Burnt Bricks.

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**The Process:**

1) **Soil selection**
A site evaluation has to be carried out to make sure you have suitable soil for brick making. A number of cheap and easy tests have been created to effectively test soil quality. You are looking for sub-soil with few stones of a fine quality.

2) **Stabilisation & Mix Preparation**

First the soil must be sieved to remove foreign elements from the soil. Then the soil must be mixed with a stabiliser to maximise strength – usually cement, but lime can also be used. The stabiliser must be thoroughly mixed with the soil and then water added.

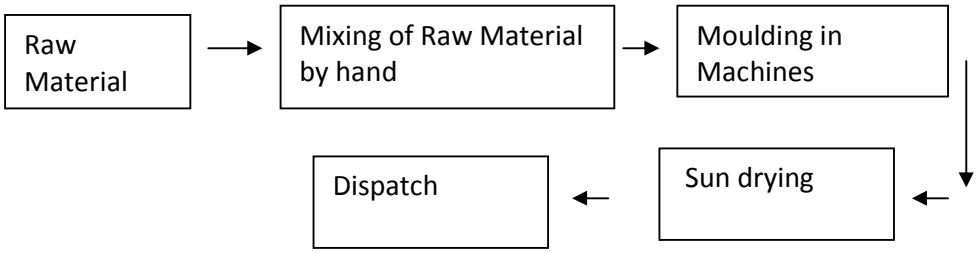
3) **Compaction**

The soil mixture then needs to be compacted to ensure strength and quality. Generally a manual hand press is used. The bricks need to be carefully removed from the mould and stacked correctly.

4) **Curing**

The bricks are then left in the sun to cure (no firewood needed!) and water is sprinkled to aid curing. The bricks must then be stored

**Process Flow Chart**




**Main Features:**

Energy Transmission: Lever with Cam and Toggle Mechanism
Man Power requirement: 6
Size of Brick: 230x110x75mm
Production Capacity: 1000-1200 per shift
Raw Material feeding : Manual
Type: Portable
No. of bricks per cycle:2
Compaction by: Pressure

Malawi – Voltage 230V at 50 Hz.

# Annexure-II

**ITEM : FAMILY RIDGE TENTS**

**QUANTITY: 600 Nos.**

**(A) Family Ridge Tents – Double Fly**

| | |
|---|---|
| **Size** | 4 x 4mtr |
| **Material (Outer and Inner Fly)** | 400GSM (+/- 10%), single fold, water repellant natural white canvas (specs below) |
| **Wall Height** | 0.9 m |
| **Outer Height** | 2.2 m |
| **Inner Height** | 2.0 m |
| **Lining for Inner Fly** | Dosouti, 170gsm (+/-10%), color yellow |
| **Splash Walls** | PVC coated polyester fabric, 400gsm |
| **Ground Sheet** | 200 GSM(+/-10%) HDPE coated with LDPE both sides |
| **Poles** | Steel Poles duly painted |
| **Accessories** | Pins, Pegs, Hammer etc. |
| **Weight** | App.75kgs each tent |
| **Packing/Dimension** | Each Tent packed in a Jute bag/ 230 x 35 x 30cm |
| **Volume** | 125 tents in 20' container |

## Specifications for the main canvas, for outer fly and inner fly

| **Denomination and norms** | **Required minimum values** |
|---|---|
| 1. Composition<br>ISO1833 (similar but not identical to BS4407) | 30 to 50 % cotton,<br>50 to 70 % polyester<br>blended fibres yarns |
| 2. Specific weight (g/m²)<br>ISO 3801 (identical to BS2471) | max. 400 g/m² in finished state |
| 3. Tensile strength (daN)<br>ISO 13934-1 (identical to BS13934-1) | - Warp 85daN minimum<br>- Weft 85daN minimum |

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| | |
|---|---|
| 4. Tear strength (daN) – Started<br>ISO 9073-4 (identical to BS9073-4) | - Warp 6daN minimum<br>- Weft 6daN minimum |
| 5. Water penetration resistance (hPa)<br>ISO 811 (identical to BS20811) | 30hPa (= 30cm$H_2O$)<br>minimum |
| 6. Dimensional variation when soaking in water<br>ISO 7771 (identical to BS4736) | maximum 3% |
| 7. Resistance to micro-organisms on mechanical strength (soil burial).<br>ISO 13934-1 (or BS13934-1) after BS 6085/2 | max. 30% of strength loss<br>5 test pieces in warp<br>5 test pieces in weft |
| 8. Tensile strength and efficiency of fungicides and water-repellent treatments after exposure to climatic condition.<br>Repeat the above tests n°3 n°5 n°7, after exposure in a climatic chamber under ISO4892-2, type A, 360hours(identical to BS4892-2) | max. 30% of strength loss for each type of test:<br>5 test pieces in warp<br>5 test pieces in weft |

***Specifications for the canvas for the inner fly lining (dosouti)***

| **Denomination and norms** | **Required minimum values** |
|---|---|
| 1. Composition ISO 1833 | 100 % cotton, yellow |
| 2. Specific weight (g/m2) ISO 3801 | 170 ± 10% |
| 3. Tensile strength (daN) ISO 13934-1 | Warp 30 daN minimum<br>Weft 30 daN minimum |

**ANNEXURE-III**

**SPECIFICATION OF 10-15 TON TRUCK**

**ITEM : 10-15 TON TRUCK**

**QUANTITY: 1 No.**

Right Hand Drive Truck of capacity 10-15 tons with 2 years essential spares.

Bidders are required to give full technical specifications of the truck being offered.

Bidders are also required to provide warranty and after sales service at Malawi and give details of the agency in Malawi who shall provide warranty and after sales support.