



GOVERNMENT OF TRIPURA  
OFFICE OF THE SUB-DIVISIONAL FOREST OFFICER  
UDAIPUR, GOMATI, TRIPURA  
Email: [sdfo03udaipur@gmail.com](mailto:sdfo03udaipur@gmail.com)

Tender

SDFO, Udaipur

A sealed quotation is invited for procurement and installation of INCENSE STICK MAKING UNIT at Killa Range, Udaipur Sub-Division, Gomati District.

- Detailed specification of the work and terms are available at <http://www.forest.tripura.gov.in> & in the office of the Sub Divisional Forest Officer, Udaipur
- Last date for submission of quotation/Tender is 31<sup>st</sup> October 2017 before 4 PM. The Quotation/Tender shall be opened in the office chamber of the undersigned on the same date if possible at 4:30 PM while the quotationer/Tenderer may remain present.

List of Machines for Incense Stick Making Unit

SN	Description	Qty
1	Raw bamboo sawer	01
2	Bamboo splitting machine	01
3	Fixed width slicer	01
4	Small Layering machine	01
5	Bamboo wool slicer long	01
6	Precise cutting machine	01
7	Stick polishing machine	01
8	Medium type blade sharpener	01
9	Bamboo wool slicer	01

**Terms of supply:**

1) GENERAL

The Udaipur Forest Sub-Division was established in 2015 under Gomati Forest District. Beside carrying out various Forestry activities this sub-division is also addressing the issue of NTFPs and value addition in a comprehensive manner under Tripura JICA Project, with the broad objectives.

1. Increasing the productivity of bamboo, cane & other Non-timber Forest Produce (NTFP) in the region through assured provision of quality planting material (QPM) and technical services.
2. Promoting livelihood improvement & poverty alleviation activities on an industrial scale and establishment of community common facility centre (CCFCs).
3. Capacity building of various stakeholders in handling bamboo, cane & other NTFPs; and
4. Facilitating marketing through establishing public-private partnership (PPP).

The Udaipur Forest Sub-Division proposes to acquire INCENSE STICK MAKING UNIT under National RURBAN MISSION (NRM). The location will be Killa Range Office Complex, Udaipur Sub-Division, Gomati District Tripura. The purpose is to provide round sticks to the artisans / craft persons, manufacturers.

This quotation calls for the offer, supply, installation, commissioning, warranty and services of machine.

2). **DESIGN AND MANUFACTURE:-** Offers are invited from reputed manufacturers/supply agents in India with proven experience in the design, manufacture and supply of similar or equivalent machines for the incense stick making unit. In case of supply agents, the brand to be supplied should be of same for all the machines. If the machine is imported from other countries, then the details of the country should also be specified.

3). **SUPPLY:** Supply includes full machinery of same brand having compatibility, transport, unloading, installation, commissioning, successful trial productions and training of operators. Machines should be offered complete in all respects.

4). **WARRANTY:** Machines supplied are to be warranted for a period of 12 months from date of commissioning. Warranty includes replacement of any parts or entire machine on site, if found to be substandard or with manufacturing defects or not meeting performance guarantee criteria.

5). **PERFORMANCE GUARANTEE:** The rated capacity of each machine should be mentioned along with the brand. Machine must be proved to perform at the rated capacity at the time of commissioning of the equipments. Machines must perform to the rated capacity for the entire period of the warranty.

6). All machine to be supplied by single supplier.

- 7). **PRICE:** Offered prices to include-
- I. Cost of machine and its capacity
  - II. Duties and taxes, if any, as applicable.
  - III. Transport and all related costs.
  - IV. Installation and commissioning charges.
  - V. Training charges.



- VI. Tools to be supplied with each machine as specified.  
VII. Any miscellaneous changes including electric cabling, etc.

**Note:**

1. Udaipur Forest Sub Division will only provide suitable electric power outlet near the proposed location of the equipment.
  2. Prices to be quoted for each individual machine giving separately the cost for each item 'I' to 'VII'.
  3. Alternatively a supplier of all machines may offer on total turnkey basis including supply transport, installation, commissioning and training.
  4. Offer without detailed machine specification and catalogues may not be considered.
- 8) **PAYMENT:** Payment will be made after successful supply of the machine.

9) **EVALUATION:** Evaluation of the offers will be on technical and commercial basis considering all conditions and terms of the bids in compliance with points 1 to 8 and also the price offered for all the machines will be considered in total and of which lowest quoted one will be selected accordingly and details of the experience required is:

- Complete client list should be provided with this quotation.
- Only manufacturers/Authorised suppliers in case of imported machine can quote for the tender (Authorisation certificated should be attached).

10) **RIGHTS:** The Forest Department (Udaipur Forest Subdivision) reserves the right to:

- a) Purchase any or all the machines as listed.
- b) To accept or reject any offer based on technical/commercial evaluation.

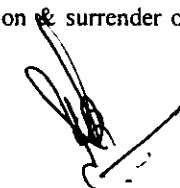
11). D. Call for an amount of **Rs. 50,000.00** (Rupees fifty thousand) only to be placed in favour of the (Sub Divisional Forest Officer, Udaipur Forest Sub Division) has to be enclosed along with the quotation/Tender without which no offer will be treated valid for acceptance. In case of successful quotationer/Tenderer, the earnest money will be forfeited in case of non compliance of terms and condition of the quotation/Tender.

12). The Tenderer should produce valid, ITC, Professional tax clearance certificate, valid Trade License, GST Registration Certificate, PAN Card, Bank Account Number along with IFSC Code.

13). The undersigned reserves the right to reject any or all quotations/Tenders including the lowest one without assigning any reasons.

14). Quotations/Tenders once drop will be considered as final. No cancellation, modification & surrender of quotation will be allowed after it is dropped.

10) Last date for receipt of bid documents is **31<sup>st</sup> October 2017 before 4 PM.**



SDFO, Udaipur  
Gomati, Tripura

## SPECIFICATIONS OF PROPOSED MACHINES

### 1. RAW BAMBOO SAWER /cross cut

The machine is used for crosscutting bamboo to the required length. This machine gives a very fast production rate and is user friendliness and has standard safety features. Basic function of crosscutting bamboo to the required length. By using the gauge, we can crosscut complete for into uniform length.

#### **DESCRIPTION:**

The machine consists of a motorized circular saw mounted on a swivel arm, manually operated to cut the bamboo across the length.

#### **SPECIFICATIONS:**

**Capacity:** Suitable for cutting round bamboo up to 200 mm in diameter

Motor- 2.2 kw

Main Axis Rotating Speed – 2550 RPM

Machine has to be equipped with saw blade, motor electrical control, starter and panel box etc.

### 2. BAMBOO SPLITTING MACHINE :

This machine is used for splitting of bamboo into number of equal parts. It should separate the bamboo in the direction of the fibres at right angles to the surface (radically). The splitting machine has a set of Knives at one end, arranged radically on a mounting, and a pusher at the other end that pushes the Culm section through the knife set to split it. A range of knife sets are available, each producing different sizes of split and for culms of different diameters.

**USE:** Split the round bamboo trunk into several strips.

According to the strips size and bamboo trunk diameter, you can change the specification of the blades.

#### **DESCRIPTION:**

The machine consists of a pusher which pushes the round bamboo through a splitting frame.

#### **SPECIFICATIONS:**

Capacity - Less than 2.8 Meter

Power - 8 KW

Splitting grills - Radial for 4,8,12 and 16 pieces.

Splitting grills - Parallel for 2, 4 & 6 inch bamboo.

### 3. FIXCED WIDTH SLICER:

The splits are then passed through the knot removing machine to produce sections of bamboo of uniform thickness throughout their length. This machine is used to remove the inside knot of the split segments of bamboo. Cleans the internal knot and external as well as the outer skin, and slicing and width sizing of the split segment of bamboo.

#### **USE:**

- Removing the knots inside & outside.



- Setting the width & thickness of the bamboo strips.
- Separating the green layer from yellow layer.

**DESCRIPTION:** The machine uses a chisel of cutter to remove knots. The split bamboo length is fed through the machine using motorized feed rollers.

**SPECIFICATIONS:**

Maximum – width of bamboo splits – 21 MM  
 Maximum thickness of bamboo splits – 25 MM  
 Power= 10.6 KW

**4. SMALL LAYERING MACHINE/slicer machine:**

To make the slice of ¼ or 1/6 part of split bamboo to get desired thickness of stick. Separating the material in the direction of the fibbers parallel to the surface.

**USE :** Dissecting the thicker bamboo strip into thinner one

**DESCRIPTION:**

Machine suitable for slicing slivers of thickness 0.5 – 5.0 mm.

**SPECIFICATIONS:**

Power: 2.2 KW  
 Feeding speed: 50 M/MIN  
 Max thickness it can feed: LESS THAN 15 MM  
 Minimum thickness of the strip it can layer into – 2 MM

**5. BAMBOO WOOL SLICER LONG round stick machine:**

The machine makes round sticks from bamboo slices.

**USE:** For making round bamboo sticks

**DESCRIPTION:**

Machine consists of motorized feed system and cutters to machine split bamboo sections into round bamboo sticks.

**SPECIFICATIONS:**

General Power : 11 KW  
 Main Axis Rotating Speed: 35000 RPM

**6.PRECISE CUTTING MACHINE:**

The machine is used for cutting desired length bamboo stick.

**USE:** Cutting the long bamboo stick into certain length.

**SPECIFICATIONS:**

Main Axis Rotating Speed: 3000 RPM  
 General Power: 2.2 KW  
 Saw Diameter: 300 MM

**7.STICK POLISHING MACHINE:**

Bamboo stick poising machine is used to polish bamboo round sticks.

**USE:** Polishing the sticks into smooth

**SPECIFICATION:**

Capacity: 100 kg/load  
 General Power: 1.5 KW.

## 8. MEDIUM/M TYPE BLADE SHARPENER:

Uses : Sharpening the blades in this production line , ex. Flat blade and shaping blades etc.

SPECIFICATION:

General Power : 0.75 KW

Water Pump Power : 90 W

Grinding Wheel Diameter: 150 mm

## 9. BAMBOO WOOL SLICER:

This type of machine should work with the bamboo strip without knot part. The shaping blade decides the final product shape and size.

USES: Making the bamboo strip into bamboo stick.

SPECIFICATION:

General Power: 5.5 KW

Feeding Speed: 45 Meter/Min

Feeding Roller out Diameter: 70 MM

Shapping Blade Out Diameter: 70 MM

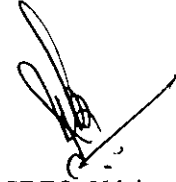
Capacity: About 200 KGS fresh sticks/8 Hours

Processing Length of Stip, Minimum 18 CM

Max. Thickness it can process: 4.5 MM

Max. Diameter it can produce: 3.5 MM (Finished Product)

Min.Diameter it can produce: 1.2 MM (Finished Product)



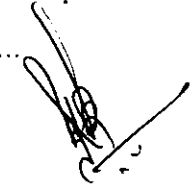
SDFO, Udaipur  
Gomati, Tripura

Dated 09/10/2017

No. F. 4-15(1)/Dev/NRM/USD-17/ 4044 - 4080

Copy to:

1. The Principal Chief Conservator of Forests, Aranyabhavan, Agartala, West Tripura for favour of kind information.
2. The District Forest Officer, Gomati/ South /Sepahijala /West /Khowai /Dhalai /Unokoti /North Tripura: for favour of kind information.
3. The Director, ICAT, Agartala for kind information & he is requested to publish the Quotation in daily News paper (10 nos. concise copies enclosed).
4. The SDFO, Sabroom, Bagafa, Karbook, Amarpur, Sunamura, Bishalgarh, Sadar Urban, Sadar, Ambassa, Manu, Kailasahar, Dharmanagar, Kanchanpur, Teliamura, Khowai, Mandai for kind information.
5. The WLW, Trishna, Sepahijala, Gomati, Rowa for kind information.
6. The Officer In - Charge GIS Lab, O/o the PCCF, Tripura for information & with a request to upload the same in departmental website for wider publicity.
7. The Range Officer, Udaipur, Killa & Kakraban for information. They are requested to publish the same in their notice board.
8. M/S.....
9. Notice Board of this Office.



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