

**TENDER DOCUMENT
(NO. CBTC/UKhrul/172/2020-2021)**

**FOR
SUPPLY, INSTALLATION AND COMMISSIONING
OF
CANE AND BAMBOO PROCESSING MACHINE AT UKHRUL, MANIPUR**



**CANE AND BAMBOO TECHNOLOGY CENTRE
A Society under North Eastern Council (NEC), Shillong, Government of India
13TH Mile G.S Road, Burnihat, Assam
Email: cbt cassam@gmail.com
Website: <http://www.cbtc.org.in>**

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No: CBTC/UKH/172/2020-21/

Dated: 11/03/2020

TENDER Notice

1. The Managing Director, Cane and Bamboo Technology Centre (CBTC) invites sealed offers from reputed manufacturers or their authorized agents under part Tendering system viz part I: Techno-Commercial Bid and Part II: Price Bid for supply, installation and commissioning of cane and bamboo processing machine at Ukhrul, Manipur.
2. The general description/specification of the above machines is placed at Annexure-A
3. Tender documents can be had from above office on any working day against payment of Rs. 500/- (Five hundred) in cash between 1030hrs to 1730hrs with necessary requisition letter address to the Managing Director, CBTC. The Tender document is non transferable. The tender document is also available in website www.cbtc.org.in
The tender documents shall be issued up to **22/03/2020** and last date of submission of tender shall be **25/03/2020**.

The date and time for opening of Price Bid shall be informed in due course to the successful bidders only

4. Your offer should be submitted in Two Bid Form the offer must be submitted in two sealed separated envelopes, containing Techno-Commercial Bid along with TD fee and second containing Price Bid. The inner envelop must specify the Techno- commercial /Price bid, as the case may be. Both these envelopes should be placed in an envelope clearly specifying “Tender for cane and bamboo processing machine”
5. If Tender documents are downloaded from our website (<http://www.cbtc.org.in>) then the cost of the Tender Document by way of DD drawn in favour of Cane and Bamboo Technology centre (CBTC) payable at Guwahati is to be attached along with the offer by enclosing with Techno-Comercial Bid Envelop.
6. If Tender Document required by post, then add additional Rs. 100/- to the Tender Document cost. The same may be forwarded along with the request letter.

7. Late/delay/Post Tender received after closing of the tender will be summarily rejected.
8. The CBTC shall not be responsible for any postal delay.
9. If the prescribed date of closing /opening of tender is declared a holiday due to any reasons then the tender shall be opened on the next working day at the same place and at the same prescribed time.
10. General Specification, quantity, delivery period, location of delivery, supply of materials and warranty etc. are available in Tender Schedule from.
11. If other than original equipment manufacturer or his authorized agent participating, they should submit copies of purchase orders executed satisfactorily in past and copies of performance certificate issued by the user.
12. The venue of the Bid opening shall be CBTC's conference room, 13th Mile Burnihat, Assam. Managing Director-CBTC reserve the right to accept or reject any/all offers in part or full without assigning any reasons whatsoever.
13. Please send your bids to the Managing Director-Cane and Bamboo Technology Centre (CBTC) 13th Mile, GS Road, Burnihat, Assam

Annexure: A

GENERAL DESCRIPTIONS OF BAMBOO PROCESSING MACHINES

Sl NO	Name of the Machine	Specification	Quantity in No
1	Round Bamboo Cross Cutting Machine (Heavy Duty)	BAMBOO CROSSCUT MACHINE, HEAVY DUTY. INCLUDING 2 H.P. MOTOR, STARTER AND CARBIDE TIPPED CIRCULAR SAW 16" X 3 mm X 120 TEETH Maximum diameter of Bamboo to be cut : 200mm (8") Dimensions of the Machine (including Front & back guider) : 17'X4'X2.5' Net Weight : 450 kgs Power consumption : 2 H.P Spindle Speed (Minimum) : 2800 rpm ISI mark motor with starter Required Intake and out feed table	1
2	Parallel Splitting Machine	Double side cutting adjustment Dimensions of the Machine : 58"X84"X38" Net Weight : 450 kgs Power consumption : 5 H.P x 2 Spindle Speed (Minimum) : 2800 rpm ISI mark motor with starter	1
3	Radial Splitting Machine	Maximum 8' bamboo cane be split Dimensions of the Machine : 198"X35"X50" Net Weight : 570 kgs Power consumption : 5 H.P x 1 Speed (Minimum) : 8-12 meter/miniute ISI mark motor with starter	1
4	Out Side Node Removing machine	One table with adjustable height and one cutter should exist Power : 2 H.P	1
5	Inside knot removing cum two side planning machine	Two top and two bottom cutters including inside knot removing, width sizing adjustment Power consumption : 3 H.P x 2nos 2 H.P x 3nos Speed (Minimum) : 8 rpm ISI mark motor with starter	1
6	Four Side Planning Machine	Four cutters are fixed Power consumption : 5 H.P x 1no 2 H.P x 3nos : 1 H.P x 1 no	1

		ISI mark motor with starter Including panel board with emergency switch box	
7	Drying Chamber	Construction Size 15 cubic meter Wastage bamboo will be used as fuel Power Consumption : 3 H.P	1
8	Boiling Tank/Dipping Tank	Made with Stainless Steel Size of Tank : 8' x 2' x 2'	1
9	Hydraulic Hot press Single day light (80kg/cm ²) (3' X 4')	Purposes: To make Bamboo Strips Board Top Pressure & Side Pressure adjustment is required Top Pressure : 120 Tons Side Pressure : 60 Tons Maximum temperature: 160 degree centigrade. Hot steam will be used for control temperature of pressure plate	1
10	Spray Booth for hand coating	(W xD xH) : 2155 x 1090 x 2620mm Effective Spray area : 1600 x 1800mm Power : 3 H.P X1no & 2 H.P x 1no	1
11	Slicing Machine (Multiple -5 stroke)	Able to make 4 to 5 pcs bamboo strips in one pass Power : 3-5 H.P	1
12	Round Stick Making Machine	Able to produce 120 kg 1.4mm round stick in 6 hours No of Planning cutter : 3 nos No of profile cutter : 2 nos Power : 3H.P x 2 pcs & 2 H.P X 4 pcs	1
13	Polishing Machine (Three division)	Able to produce 250 kg stick having diameter 1.4mm Power : 2-3 H.P	1
14	Stick Sizing Machine	Saw Blade diameter : 14-16" No of teeth : 140 to160mm Saw blade Thickness : 2mm Power: 2 H.P	1
15	Automatic weaving machine	Multi design can be weaved Maximum length: 8 feet Power : 2 H.P	1
16	High Speed Tooth Prick Shaving Machine	Make sharpening of round stick having diameter of 1-2 mm to make tooth prick Power : 1/2 H.P x 1 no	1
17	Tooth Prick Packaging Machine	For packaging of Tooth Prick	1
18	Skewer Stick Shaving Machine	Make sharpening of round stick having 2-3mm diameter to make skewer stick Power : ½ H.P x 1 no Sharpening cutter is a fixed	1

19	Tooth Prick/Skewer Stick Polishing Machine	Working length of stick : 50-300mm Capacity per shift :200kg Power : ½ H.P To make polish of Tooth Prick	1
20	Incense Stick Extrusion Machine Or Automatic Rolling Machine	Semi Automatic Machine Capacity : 10 kg/hrs Power : 2 H.P Automatic mixing of Masala	1
21	Air Compressor	Oil lubricated compressor Maximum pressure :12kg/cm2 Working pressure :2-3 kg/cm2 Number of unit : 1 no Power : 10 H.P Capacity : 38 CFM Tank Capacity : 200 litre	1
22	Universal Grinding Machine	Able to sharp all kind of cutter Water cooling system is connected Diamond Wheel is required to sharp carbide tips Power : 2 H.P x 1 no & ½ H.P x 1 no	1
23	Hydraulic pallet Truck	Manually operated Maximum Capacity : 2 Tons	1
24	Bamboo Pellet Making Machine Capacity 500 kg/hrs	Production capacity For briquette : 850 kg/hr For pellet : 500kg/hr Power : 30H.P x 1 no, 5 H.P x 2 nos, 2 H.P x1 no & 1 H. Px 2 nos	1
25	Hammer Grindering machine for making Dust	Production Capacity: 1000 kg Power : 20 H.P	1
26	Dryer for bamboo pellet making	To make dry the bamboo dust	1
27	Mechanized charcoal making machine including accessories	To make bamboo activated charcoal, To make bamboo Vinger To make bamboo raw charcoal Production capacity 500-600 kg/day	
30	Bamboo Pressure Vacuum Impregnation Treatment Pant	<ul style="list-style-type: none"> • Length of Cylinder-22 feet • Diameter of Cylinder-3 feet 6 inches • Storage Tank (Mixing for chemicals) will be included/ under Ground storage tank 	1

		<ul style="list-style-type: none"> • (kindly quote for both one which is included storage tank & other is excluded storage tank) • Treatment Cylinder shall be capable to withstanding vacuum of 650mm Hg and pressure of 200 psi (14 kg/cm²) • Storage tank should be fabricated from carbon steel plate of 6mm thickness. • Hydraulic pressure pump shall be capable to raise the pressure up to 14 kg/cm² in about 10 minutes • Thickness of Cylinder-10mm, • It should be quick opening & closing wedge locking system (wedge locking System) • All motors & valve should be made by Crompton Greaves and electrical parts made with best quality • In panel board safety device should be attached 	
31	Laser Engraving Machine	Wattage: 60 watt Laser Source : hermetic Co2 glass tube Max Cutting Speed: 25mm/min Work Area 400 x 500mm Rotary system is required for round surface	
32	Cane Bending Machine with Steam Boiler (250-300kg) including pipeline	Fire tube Steaming Chamber-2 nos Fuel: Bamboo wastage Softener For bending of Cane/ Rattan without any manual heating. For generating of steam which Carbonizer Boiler could able to run	

(Tender Schedule)

- The offers shall be assessed based on the total cost of the machine and not on the cost of individual machine.
- The rates of above set of machineries to be quoted for the following location
13th Mile, GS Road, Burnihat, Assam

- The firms shall be short listed on the basis of Techno-commercial bids along with few pictures of treatment plant and price bids of successful bidders shall be opened only.
- For two bid enquiries offer must be submitted in two separates envelopes, one containing Techno-Commercial Bid and second containing Price Bid, duly sealed from outside and kept in an envelope. The inner envelop must specify the techno-Commercial Bid/Price Bid as the case may be. Both these envelope should be placed in an envelop clearly specifying **“Tender for cane and bamboo processing machine”**
- Tenderers must give the complete information regarding their manufacturing unit and their previous experience in the prescribed form and also clear photograph of all machines may be attached.

DOCUMENT TO BE SUBMITTED ALONG WITH THE TENDER

1. GST No.....
2. Trade License, Factory License.....
3. Income Tax Permanent Account No.....
4. Service Tax Regn. No.....
5. Memorandum and Article of Association, Partnership Deed,
Registration Certificate issued by the Registrar of Firms, etc.....
6. Registration Certificate with respective Institute.....
7. Current dealership agreement from the Principal along with SSI/NSIC certificates.....
8. Annual Turnover certificates for last three years certified by a CA.....

General Instruction of Tenders

- **Sale of Tender documents** **As per Tender notice**
- **Envelope containing the Techno-commercial bid along with pictures of all quoted machine & price bid to be address to**

To
The Manager
Cane and Bamboo Technology Centre
13th mile G.S Road, Burnihat, Assam

- **The tender is for manufacture, supply, installation and commissioning of the Cane and Bamboo Processing machine as detailed in the Tender Schedule (Annexure-A) and the contracts made under this tender shall be governed by the instructions to tenders.**

Manager-Training
Cane and Bamboo Technology Centre (CBTC)
13th Mile Burnihat, Assam