

**TENDER DOCUMENT
(NO. NECBDC/Arunachal/179/2020-21)**

FOR

SUPPLY, INSTALLATION AND COMMISSIONING

OF

**CANE AND BAMBOO PROCESSING MACHINE AT JOTE, ARUNACHAL
PRADESH**

NORTH EAST CANE BAMBOO DEVELOPMENT COUNCIL (NECBDC)

A Society under North Eastern Council (NEC), Shillong, Government of India

13TH Mile G.S Road, Burnihat, Assam

Email: cbtcassam@gmail.com

Website: <http://www.cbtc.org.in>

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1. BRIEF DESCRIPTION:

North East Cane and Bamboo Development Council is a premier organization providing all round support for development of bamboo sector in the NE region of India. The council invites Technical and Financial proposals from reputed registered firms having income tax, sales tax registration and who has experience in the field of manufacturing and supplying of Cane & Bamboo processing machine for last 10 years. The Cane & Bamboo processing machine will be installed and commissioned at Jote, Arunachal Pradesh.

This is a two part bid system with Technical bid and financial bid forming the two parts. The Technical and Financial bid should be sealed in separate envelopes and then both sealed covers to be placed in one envelope clearly super scribing on the envelope, “supply, installation and commissioning of cane and bamboo processing machine at Jote, Arunachal Pradesh.

2. PARTICULARS OF TENDER:

Sl No	Particular	Activities
1	TENDER No	NECBDC/Arunachal/179/2020-21
2	Particulars of the work	“supply, installation and commissioning of cane and bamboo processing machine at Jote, Arunachal Pradesh
3	Period of work	1 month from the award of work (exclusive of coordination period with other agencies working on site)
4	Cost of TENDER document	Rs. 500/- in the form of Demand Draft in favour of North East Cane and Bamboo Development Council, payable at Guwahati/Burnihat
5	Last date and time of Submission of TENDER (by hand/courier/ post)	29-05-2021 at 3 pm.
6	Security Money	2% will be deducted from any payment made by NECBDC for the said work
7	Period of validity of TENDER for acceptance	15 days
8	Date and time of opening of TENDER	29-05-2021 at 4 pm.
9	Place of opening of TENDER	North East Cane & Bamboo Development Council 13 th Mile, GS Road, Assam
10	Name of the firm whom tender document has issued	(Signature of the Tenderer with Seal)

3. General Particular of the Tenderer

1. Name of firm :
2. Communication address :
3. Telephone, Telex, Fax No :
5. E-mail :
6. Web site :
7. Name and designation of the representative
of the Tenderer to whom all reference
communication shall be made :
8. Amount of earnest money/bid security
deposited in bank and date :
9. Firm Registration number / details :
10. Copies of ITR acknowledgement :
11. GST registration No. :
12. Previous experience or work done by the
Tenderer of similar nature of project :
13. Name and address of the manufacturer/
Authorized dealer (please attach authorization certificate).

(Signature of Tenderer)

With Seal

**4. EXPERIENCE:
(Details of Each Project)**

Item	
1. Title of the project	
2. Location	
3. No. of works/projects completed	
4. Entity/ Agency with which project has been executed	
5. Date of commencement of the project	
6. Date of completion/ commissioning	
7. Cost of the Project	
8. Scope of Work	

5. COVER LETTER:

Letter Comprising of Tender for the supply, Installation & Commissioning of Cane & Bamboo Processing Machine at Jote, Arunachal Pradesh

To,
The Managing director
North East Cane and Bamboo
Development Council Centre, 13th Mile,
G.S. Road, Burnihat, Assam PIN –
781023(Assam)

Sub: Tender for the supply, Installation & Commissioning of Cane & Bamboo Processing Machine at Jote, Arunachal Pradesh.

Dear Sir,

With reference to your TENDER notice dated 14th May, 2021, I have examined the TENDER document and understood its contents. I hereby submit my Bid for the supply, Installation & Commissioning of Cane & Bamboo Processing Machine at Jote, Arunachal Pradesh. Following points are

1. The Application is unconditional for the said Tender.
2. It is acknowledged that the Authority will be relying on the information provided in the tender and the documents accompanying such tender for qualification of the bidders for the above subject project, and we certify that all information provided in the tender and in Annexures are true and correct; nothing has been misrepresented and omitted which renders such information misleading; and all documents accompanying the bid are true copies of their respective originals.
3. This statement is made for the express purpose of the above mentioned subject.

We shall make available to the Authority any additional information it may find necessary or require to supplement or authenticate the Qualification statement

We acknowledge the right of the Authority to reject our bid without assigning any reason or otherwise and hereby relinquish, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.

4. It is declared that:
 - (a) We have examined and have no reservations to the Tender document
 - (b) We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in respect of any Bid or request for proposal issued by or any agreement entered into with the Authority or any other public sector enterprise or any government, Central or State.
5. It is understood that the Institute may cancel the Bidding Process at any time without incurring any liability to the institute and that you are neither bound to invite the applicants to Bid for the project nor to accept any bid that you may receive.
6. It is certified that we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
7. It is further certified that no investigation by any regulatory agency is pending against us.
8. It is hereby affirmed that we are in compliance of/ shall comply with the O&M requirements for one year.
9. We hereby irrevocably relinquish any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority in connection with the selection of bidders, selection of the Tenderer, or in connection with the selection/ Bidding Process itself, in respect of the above mentioned Project and the terms and implementation thereof.
10. We agree to undertake to abide by all the terms and conditions of the TENDER Document.

We agree to undertake to be liable for all the obligations of the Tenderer under the Agreement. In witness thereof, we submit this application under and in accordance with the terms of the TENDER document

Yours faithfully,

(Signature, name and designation of the Authorized Signatory)

Place: Name and seal of the Bidder/ Lead Member

Instructions:

1. Tenderers are expected to provide information with respect to only Eligible/Qualified Projects.
2. Information provided in this section is intended to serve as a back-up for information provided in the TENDER.
3. An authentic experience certificate should be annexed with respect to each eligible/qualified Project from the Agency for which the project is executed.
4. Provide the estimated capital cost of each Eligible/Qualified Project.

**(Signature of Tenderer)
With Seal**

SUBMISSION OF TENDER**6.1 SEALING AND MARKING OF TENDER:**

- 6.1.1 The TENDER must be complete in all aspect and should contain requisite certificate, informative literature etc. as required in the specification.
- 6.1.2 Tender Document can also be downloaded from CBTC website (www.cbtc.org) but tender document fees is mandatory.
- 6.1.3 This is a two part bid consisting of Technical bid and financial bid. The Technical and Financial bids should be sealed in separate envelopes and then to be sealed in one Envelope clearly super scribing on the envelope, “The supply, Installation & Commissioning of Cane & Bamboo Processing Machine at Jote, Arunachal Pradesh”

Earnest Money Deposit:

- c. Bidder shall furnish bid security for an amount of 1% of the total value quoted for supplying, installation & commissioning of machine and equipment in the form Bank Demand Draft in favor of Cane and Bamboo Technology Centre from any Nationalized Bank payable at Guwahati. This should be enclosed in the Technical bid cover. Tender with out EMD will be summarily rejected.
- d. The EMD deposit by the successful bidders shall be held back toward the security deposit and will be refundable after successful installation, trial & training.

Refund of EMD

The EMD of the unsuccessful bidder will be returned within two weeks from the date of opening of the Technical bids. This amount will not carry any interest.

The bid shall include:

- a. Forwarding letter by the Tenderer
- b. All required documents
- e. Cost of tender by Demand Draft, towards processing charges (non-refundable)
- f. EMD 1% of the offered cost of machines in the form Bank Demand Draft/FDR in favour of Cane and Bamboo Technology Centre from any Nationalized Bank.
- g. Technical bid.

h. Financial Bid

6.1.4 TENDER should be addressed to:-

Managing Director
North East Cane and Bamboo Development Council
13th Mile, G.S. Road, Burnihat ,Assam-781023

- a. Tenders may be received through Post/courier/by hand. North East Cane and Bamboo Development Council with the additional postal charges.
- b. NECBDC will not be responsible for any delay or misplace in postal transit.

6.1.5 EXPENSES OF AGREEMENT:

All the expenses of completing of the agreement including cost of stamp or any other kind of expenditure incurred in the process of TENDER submission till final compliance shall be borne by the Tenderer.

6.1.6 DEADLINE FOR SUBMISSION OF BIDS:

TENDER must be received by the North East Cane and Bamboo Development Council, Burnihat at the date, time and address specified in the TENDER notice/ TENDER documents.

6.2 LATE BIDS:

Any TENDER received after the deadline for submission of TENDER prescribed by the Cane and Bamboo Technology Centre, Burnihat at shall be rejected and / or returned unopened to the Tenderer.

NOTE:-

1. Please submit quotations in two separate SEALED envelope, one indicating Technical specifications and the other containing commercial terms & prices. These two envelopes should be again kept in one envelope, indicating Quotation for “The supply, Installation & Commissioning of Cane & Bamboo Processing Machine at Jote, Arunachal Pradesh”..
2. Financial bid will be opened only of the bidders who will be qualified in the Technical bid.
3. The Centre will contact only bidders meeting the requirements including the rates.
4. The payment will be made after successful on-site installation of ordered items.
5. North East Cane and Bamboo Development Council, Burnihat reserves the right to split the order among two or more vendors.
6. The price quoted will be applicable to the specifications mentioned in this quotation notice.
7. The bidders may, specifically mention if any higher specifications are offered.
8. The selected vendors will be required to supply the items within the time mentioned in the work order.
9. Please indicate whether you will be able to supply the item within time specified after receiving the order.

11. Please specify the minimum period for delivery if you are not able to supply within the said Period. Early delivery will also be a factor for consideration in deciding the successful bidder.
12. A penalty of 0.5% of the total order value will be imposed per week for late delivery.
13. In addition, before release of payments of the work, 2% of the total cost will be deducted as Performance Security during the warranty period.
14. After winning the order, if you fail to supply, your EMD will be forfeited and you will be Black listed from participating in any future bid/tender.

The decision of acceptance of the quotation will lie with the competent authority of North East Cane and Bamboo Development Council, who does not bind himself to accept the lowest quotation and who reserves the right to himself to reject or partially accept any or all quotations received, without assigning any reason.

(Signature of Tenderer)
with seal

7. TENDER OPENING

7.1 OPENING OF TENDER:

The procedure of opening of the TENDER shall be as under:

Financial Bid (Tenders) of the Tenderer who qualify in the technical bid shall be opened in the presence of designated Authority and Tenderers who wish to be present there. The date of Financial bid opening will be informed to the shortlisted bidders subsequently.

CLARIFICATION OF TENDER:

7.2.1 To assist in the examination, evaluation and comparison of TENDER, North East Cane and Development Council (NECBDC), Burnihat may at its discretion ask the Tenderer for a clarification on the TENDER which is submitted by him. The request for clarification and the response shall be in writing.

7.2.2 Centre will be at liberty to involve any expert or consultant in evaluating the bid for completing the entire bid process.

(Signature of Tenderer) With seal

8. AWARD OF CONTRACT

The Tenderer should pass in all items of "Eligibility Criteria". Eligible tenderer quoting the

lowest offer price shall be awarded the contract.

8.1 North East Cane and Bamboo Development Council (NECBDC), Burnihat reserves the right of negotiation with eligible Tenderer before the finalization of the TENDER.

8.2 North East Cane and Bamboo Development Council (NECBDC), Burnihat reserves the right at the time of award of contract to increase or decrease the numbers of locations/ quantities without any change in terms and conditions.

8.3 North East Cane and Bamboo Development Council (NECBDC), Burnihat reserves the right to accept any bid and to reject any or all bids or accept any TENDER in total or in parts or to split the work among various Tenderers without assigning any reason thereof.

8.4 NOTIFICATION OF AWARD

Prior to the expiration of the period of TENDER validity, the Centre will inform the Tenderer by registered letter or by phone or fax or by e-mail that the bid has been accepted and the work has been awarded.

8.5 EXECUTION PERIOD

The entire work shall be completed in all respect within **60 days**. In case time specified the project cannot be completed in 60 days than please mention the minimum time required to complete the work.

(Signature of Tenderer) With seal

SPECIFICATION OF THE MACHINE

SI NO	Name of the Machine	Specification	Function of the Machine	Quantity
1	Round Bamboo Cross	BAMBOO CROSSCUT MACHINE,	Cross cut bamboo	1

	Cutting Machine (Heavy Duty)	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 SI mark motor with starter Required Intake and out feed table		
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 SI mark motor with starter	Make uniform strips	2
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 2 Speed (Minimum) : 8 rpm SI mark motor with starter	Splitting of bamboo	1
4	OutSide Node Removing machine	One table with adjustable height and one cutter should exist Power: 2 H.P	Clean out side node	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 SI mark motor with starter	Remove inside node and planning both side including slicing	3
6	Heavy Duty 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 ISI mark motor with starter Including panel board with emergency switch box	Make four side planning uniform strips	1
7	Drying Chamber	Construction Size 15 cubic meter	Dry strip & stick	2

		Wastage bamboo will be used as fuel .Power Consumption : 3 H.P		
8	Boiling Tank/Dipping Tank	Made with Stainless Steel Size of Tank : 8' x 2' x 2'	Make boiling treatment of bamboo strips and pole	2
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	Make bamboo glue board	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	Make spray for enhancing finishing quality	1
11	Slicing Machine (Multiple -5 stroke)	Able to make 4 to 5 pcs bamboo strips in one pass Power : 3-5 H.P	Make multi thin slicer in one stroke	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	Make various kind of profile Stick	2
13	Polishing Machine (Three division)	Able to produce 250 kg stick having diameter 1.4mm Power : 2-3 H.P	Removing of fiber from stick	2
14	Stick Sizing Machine	Saw Blade diameter : 14-16" No of teeth : 140 to160mm Saw blade Thickness : 2mm Power: 2 H.P	Sizing of stick in various length	1
15	Automatic weaving machine	Multi design can be weaved Maximum length: 8 feet Power : 2 H.P	Make bamboo curtain	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	Make bamboo tooth prick	1
17	Tooth Prick Arranging Machine	For packaging of Tooth Prick	For automatic 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	For make barbeque stick	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	For polishing 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	For making Raw Agarbatti	2
21	Air Compressor	Oil lubricated compressor Maximum pressure :14 kg/cm2 Working pressure :2-3 kg/cm2 Number of unit : 20 nos Power : 20-30H.P	For operation of pneumatic tools & equipment and also support of spray booth unit	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	For sharpening of various cutters and blades	1
23	Square stick making machine for Broom making	Power : 1 HP Production Capacity: 300-400 kg/shift	For making broom stick	2
24	Hydraulic pallet Truck	Manually operated Maximum Capacity : 2 Tons		2
25	Bamboo Pellet Making Machine Capacity 500 kg/hrs	Production capacity For briquette : 850 kg/hr For pellet : 1000kg/hr Power : 30H.P x 1 no, 5 H.P x 2 nos, 2 H.P x1 no & 1 H. Px 2 nos	To make bamboo briquette	1
26	Hammer Grindering machine for making Dust	Production Capacity: 1000 kg Power : 20 H.P	To make small bamboo pcs	1
27	Dryer for bamboo pellet making	To make dry the bamboo dust	To reduce moisture up to 12%	
28	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	To make bamboo charcoal & its bi-products	

SI NO	Name of the Machine	Specification	Function of the Machine	Quantity
29	Universal circular saw	Saw blade diameter: 14" Saw arbor Speed : 3000-400 r.p.m Power: 3 H.P	Cutting of bamboo board for furniture	1 no
30	Universal Radial Arm saw	Blade Diameter: 12' Head Swiveling: 0-180 Degree Head Tilting : 0-90 Degree Power: 3 H.P	Useful for furniture making	1 no
31	Scroll Saw	Speed of saw blade: 1500 -2000 r.p.m Power: 1 H.P	Useful for furniture making	1 no
32	Table saw/Sliding Table saw	Made by Bosch/Hitachi Bosch GTS 10J Professional Saw blade Diameter:254mm Inclined Setting : 47 degree L/2 degree	Useful for furniture making	1 no
33	Single Spindle Router (Vertical)	Spindle Speed : 6000-7000rpm Table height and router spindle angle can be adjusted Power: 3 H.P	Making Groove for furniture making	1 no
34	Vertical sponge sander	Power : 2 H.P Sanding belt size: 152 X 635mm (6" x 25") Table tilt : 45 degree	Polishing of Bamboo mould	1 no
35	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 by which Carbonized Boiler could also able to run.	1 no
36	Cane Milling Machine	Power: 2 HP	Make uniform diameter of cane	1
37	Cane Splitting Machine	Power-2 HP	To split cane in different pices at a time	1
38	Pneumatic pin gun		Staple of cane	2 nos
39	Bamboo Pressure Vacuum Treatment plant	<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 • (kindly quote for both one which is included storage tank & other is excluded storage tank) 	Treatment for Bamboo	1 no

		<ul style="list-style-type: none"> • 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 • .Material of construction of shell should be carbon steel conforming to IS: 2062 of 8 mm thickness • All other steel materials shall confirm to IS: 2062 		
40	Laser Engraving Machine	<p>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</p>	Work on Bamboo and Wood	1 no