

**TENDER DOCUMENT
(No.CBTC/NEC/206/PP/20-21/TP)**

FOR

**“CONSTRUCTION OF WORK SHED FOR INSTALLATION OF CANE & BAMBOO TREATMENT
PLANT”**

IN

CBTP, 13TH MILE BURNIHAT, ASSAM



**CANE AND BAMBOO TECHNOLOGY CENTRE
13TH Mile, G.S Road, Burnihat, Assam
Email: catcassam@gmail.com**

ADVERTISED TENDER NOTICE



CANE AND BAMBOO TECHNOLOGY CENTRE
13th Mile GS Road, Burnihat, Assam
Email: cbtcassam@gmail.com

NOTICE INVITING TENDER (No.CBTC/NEC/206/PP/20-21/TP)

CBTC invites sealed tenders for construction of shed for installation of Cane & Bamboo Treatment Plant”

Last date of submission of Tender	: 3rd June, 2020
Opening of Techno-Commercial Bid	: 4th June, 2020

CANE AND BAMBOO TECHNOLOGY CENTRE
13th Mile GS Road, Burnihat, Assam

TENDER DOCUMENT: No. CBTC/NEC/206/PP/20-21/TP

1. Managing Director of Cane and Bamboo Technology Centre (CBTC) invites sealed offers from reputed Government contractor or companies for **“Construction of work shed for installation of Cane & Bamboo Treatment Plant” at CBTP, 13th Mile, GS Road, Burnihat, Assam**
2. 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 documents shall be issued up to **2nd June, 2020** and last date of submission of tender shall be **3rd June, 2020**
The date and time for opening of Price Bid shall be informed in due course to the successful bidders only
3. 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 envelop clearly specifying **“Tender for Construction of work shed for installation of cane & bamboo treatment plant”**
4. 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.
5. Late/delay/Post Tender received after closing of the tender will be summarily rejected.
6. The CBTC shall not be responsible for any postal delay.
7. 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.
8. General Specification, quantity, delivery period, location of delivery, supply of materials and warranty etc. are available in Tender Schedule from.
9. The venue of the Bid opening shall be CBTC’s conference room, 13th Mile Burnihat, GS Road, Assam.
10. Managing Director in Charge, CBTC reserve the right to accept or reject any/all offers in part or full without assigning any reasons whatsoever.
11. TD fees of Rs. 5000/- (Five Thousands) by way of a DD drawn in favour of Cane and Bamboo Technology Centre (CBTC) payable at Guwahati is to be deposited along with Techno-commercial Bid. The tender without earnest money shall be summarily rejected.
12. Please send your bids to the Director-Cane and Bamboo Technology Centre (CBTC) 13th Mile, GS Road, Burnihat, Assam

Annexure: A

WORK DETAIL FOR THE CONSTRUCTION OF WORK SHED FOR INSTALLATION OF CANE & BAMBOO TREATMEN PLANT

Sl. No.	Schedule No.	Item	Unit	Qty.																																																																														
(I)	(II)	(III)	(IV)	(V)																																																																														
		A. Civil Works :-																																																																																
1	1.1	<div>Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified.</div> <div>(A) Up to a depth of 2.00m below the existing ground level.</div> <div>(a) In ordinary soil</div> <table><tr><td>Fdn1</td><td>12</td><td>x</td><td>1</td><td>x</td><td>2.000</td><td>x</td><td>2.000</td><td>x</td><td>2.000</td><td>=</td><td>96.00</td><td>Cu.m</td></tr><tr><td>Fdn2</td><td>3</td><td></td><td>1</td><td></td><td>1.500</td><td></td><td>1.500</td><td></td><td>2.000</td><td>=</td><td>13.50</td><td>Cu.m</td></tr><tr><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>Total =</td><td>109.50</td><td>Cu.m</td></tr></table>	Fdn1	12	x	1	x	2.000	x	2.000	x	2.000	=	96.00	Cu.m	Fdn2	3		1		1.500		1.500		2.000	=	13.50	Cu.m				x				x			Total =	109.50	Cu.m	Cu. m	109.50																																							
Fdn1	12	x	1	x	2.000	x	2.000	x	2.000	=	96.00	Cu.m																																																																						
Fdn2	3		1		1.500		1.500		2.000	=	13.50	Cu.m																																																																						
			x				x			Total =	109.50	Cu.m																																																																						
2	1.3	<div>Earth/ sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes as may be necessary.</div> <div>(c) With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading.</div> <table><tr><td></td><td>1</td><td>x</td><td>1</td><td>x</td><td>186.600</td><td>x</td><td>1.000</td><td>x</td><td>1.200</td><td>=</td><td>223.92</td><td>Cu.m</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Total =</td><td>223.92</td><td>Cu.m</td></tr></table>		1	x	1	x	186.600	x	1.000	x	1.200	=	223.92	Cu.m											Total =	223.92	Cu.m	Cu m	223.92																																																				
	1	x	1	x	186.600	x	1.000	x	1.200	=	223.92	Cu.m																																																																						
										Total =	223.92	Cu.m																																																																						
3	2.1.1	<div>Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).</div> <div>(a) In prop 1cement: 3 sand :6 coarse aggregate by volume</div> <table><tr><td>Fd1</td><td>12</td><td>x</td><td>1</td><td>x</td><td>2.200</td><td>x</td><td>2.200</td><td>x</td><td>0.100</td><td>=</td><td>5.81</td><td>Cu.m</td></tr><tr><td>Fd2</td><td>3</td><td></td><td>1</td><td></td><td>1.650</td><td></td><td>1.650</td><td></td><td>0.100</td><td>=</td><td>0.82</td><td>Cu.m</td></tr><tr><td>Plinth Bm</td><td>1</td><td>x</td><td>1</td><td>x</td><td>119.350</td><td>x</td><td>0.250</td><td>x</td><td>0.350</td><td>=</td><td>10.44</td><td>Cu.m</td></tr><tr><td>Tie Beam</td><td>1</td><td></td><td>1</td><td></td><td>63.700</td><td></td><td>0.250</td><td></td><td>0.400</td><td>=</td><td>6.37</td><td>Cu.m</td></tr><tr><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>Total =</td><td>23.44</td><td>Cu.m</td></tr><tr><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td><td></td></tr></table>	Fd1	12	x	1	x	2.200	x	2.200	x	0.100	=	5.81	Cu.m	Fd2	3		1		1.650		1.650		0.100	=	0.82	Cu.m	Plinth Bm	1	x	1	x	119.350	x	0.250	x	0.350	=	10.44	Cu.m	Tie Beam	1		1		63.700		0.250		0.400	=	6.37	Cu.m				x				x			Total =	23.44	Cu.m				x				x						Cu m	23.44
Fd1	12	x	1	x	2.200	x	2.200	x	0.100	=	5.81	Cu.m																																																																						
Fd2	3		1		1.650		1.650		0.100	=	0.82	Cu.m																																																																						
Plinth Bm	1	x	1	x	119.350	x	0.250	x	0.350	=	10.44	Cu.m																																																																						
Tie Beam	1		1		63.700		0.250		0.400	=	6.37	Cu.m																																																																						
			x				x			Total =	23.44	Cu.m																																																																						
			x				x																																																																											
		Slabs																																																																																

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		Gr floor 1 x 1 x 119.35 x 0.300 x 1.050 = 37.60 sq beam 1st 1 1 0 0.300 1.000 = 35.81 m floor beam 1 x 1 x 119.35 x 1.000 x 0.700 = 1.89 sq LB 1 1 0 3.000 0.700 = 8.30 m SHB x x 3.950 x x Sq x x x x m Sqm		
		G = 83.59 Sq. Total m		
9	3.2.1.3	Flat Surfaces such as soffits of suspended floors, roofs, landings, cantelever slabs, chajjas, balconies and the like. (a) Floors etc. upto 200mm in thickness. 1st slab 1 x 1 x 199.80 x 1.00 x 1.000 = 199.8 sqm 0 0 0	Sqm	288.93
		Waist slab 1 x 1 x 2.700 x 1.350 x 1.000 = 3.65 sqm Landing slab 1 x 1 x 2.700 x 1.350 x 1.000 = 3.65 sqm Stairhead 1 x 1 x 21.840 x 1.000 x 1.000 = 21.84 sqm sla Step 15 x 1 x 3.000 x 1.000 x 1.000 = 45.00 sqm Lintel 2 x 1 x 25.000 x 0.300 x 1.000 = 15.00 sqm Total = 288.93 Sq.m		
10	4.1.1	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (a).Brick on flat soling. Plinth area 1 x 1 x 199.80 x 1.000 x 1.000 = 199.80 Sq.m Fd1 1 1 0 2.200 1.000 = 58.08 sqm Fd2 2 x 1 x 2.200 x 1.650 x 1.000 = 8.17 sqm Plinth 3 1 1.650 0.250 1.000 = 29.84 sqm Bm Tie 1 x 1 x 119.35 x 0.250 x 1.000 = 15.93 sqm Beam 1 0 Total = 311.81 sqm 63.700 x x x x x x	Sq.m	311.81
11	4.1.4	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. (l) In Sub-structure upto plinth level including dewatering if necessary (c) In proportion 1:5. Plinth 1 x 1 x 83.700 x 0.23 0 x 1.200 = 23.10 Cu. m Total = 23.10 Cu. m	Cum	23.10
12	4.1.8	1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embeded in cement mortar and will be measured and paid separately) (A) 112mm thick brick wall (a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sqm	283.60

		GF FF	1 1	x x	1 1	x x	138.60 0	x x	1.000 1.000	x x	1.000 1.000	= =	138.60 145.00	Sq.m Sq.m			
													Total = 283.60	Sq. m			
13	5.1.4	65 mm thick cement concrete floor consisting of 50 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 25mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement :1 coarse sand : 2 coarse aggregate of size 10mm down) laid in panels and finished with a floating coat of neat cement finish (using cement slurry for bond @ 2.75 kg. per square metre of floor area) including curing etc. complete as directed.	Gr.Floor	1	x	1	x	199.80 0	x	1.00 0	x	1.000	=	199.8 0	Sq. m		199.80
													Total = 199.80	Sq. m			
14	5.7.1.1	Providing polished ceramic floor tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls). a) Normal range Somany/ Orient/Nitco/Asian Make ii) Of size 400mmx400mm and above												Sq m		18.23	
15	5.7.1.2	Providing polished ceramic wall tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls). a) Normal range Somany/ Orient/Nitco/Asian Make ii) Of size 200mmx300mm and above												Sq m		117.43	
16	6.2.1	10 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1st floor level including arises or rounded angles not exceeding 80mm girth and finished even and smooth including curing complete as directed. b) In cement mortar 1:4												Sq m		362.45	
17	6.2.2	15 mm thick Cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed. B) On fair side b) In cement mortar 1:4												Sq m		483.60	

18	6.2.3	20 mm thick Cement plaster in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed. A) On rough side (backing coat 15 mm and finishing coat 5mm thick) (b). In cement mortar 1:4	Sq m	284.00
19	9.1.2	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embeded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. (a) With sal wood	Cu. m	0.25
		D1 1 x 1 x 12.000 x 0.150 x 0.075 = 0.14 Cu.m D2 2 x 1 x 5.250 x 0.150 x 0.075 = 0.12 Cu.m		
		Total = 0.25 Cu.m		
20	9.12.1	Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevent I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws. a) Decorative type face panel and block board core. (ii) 35 mm thick .	Sq. m	6.93
		D1 1 x 1 x 1.200 x 2.100 x 1.000 = 2.52 Sq.m D2 2 x 1 x 1.050 x 2.100 x 1.000 = 4.41 Sq.m		
		Total = 6.93 Sq.m		
21	10.2	Providing, fitting and fixing M.S. grill of required pattern for windows/ clerestory windows/ openingwith M.S. flats at required spacing in frame all round, squire or round M.S. bars with round headed bolts and nuts or screws. I . Plain grill (c) Fixed to Brickwork/P.C.C/R.C.C.	Kg	1725.00
22	11.1.2	Providing, fitting and fixing anodised aluminium sliding windows and ventilators of standard sections of approved brand without horizontal glazing bars, joints mitred and welded (manufactured to relevant IS specifications) and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels. (a)2 Track sliding window (i)6mm frosted glass	Sqm	20.47
23	13.3.4	Providing two coats of Birla White Wall Care Putty (Water Resistant White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm) (i) Thickness = 1.5 mm thick	Sqm	1130.05

24	13.4.7	Wall painting (two coats) with plastic paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth (a).Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sqm	846.05
25	13.9.6/ 8	Finishing wall with water proofing weather coat smooth antifungal exterior painting of approved make of Dulux paint / Nerolac paints of required shade after cleaning and clearing the surface etc i/c scaffolding complete as directed at all levels two coats.	Sqm	284.00
26	13.6.3	Applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter , sand papering and knotting. (b). With ready mixed paint , wood primer (white).	Sqm	20.79
27	13.7.2	Applying primary coat over new steel and other metal surface over 100mm in width or girth after preparing the surface by thoroughly cleaning oil,grease, dirt and other foreign matter and scoured with wire brushes, fine steels, wood scrapers and sand paper. a). With ready mixed "red-lead/ red oxide" primer.	Sqm	61.41

28	13.7.4	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. (i).Surfaces over 100mm in width or girth. b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	61.41
29	18.1.1	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Upto 1st floor level) a) From Primary Producer: TATA/SAIL/Essex Steel/ Jindal steel/Shyam steel/RINL (ii)Super Ductile (SD) TMT reinforcement bars	Qtt	115.00
30	18.3.2	Providing, fitting, hoisting and fixing of roof trusses fabricated using any one or combination of following sections of (i) square section (ii) Rectangular Hollow section of specification SHS/RHS and including purlins, bottom runners and providing M.S. cleat, M.S. angle base plank, bolts and nuts with red oxide primer including fitting bottom runner and cleat etc. for fixing ceiling joist as per design complete as directed as per specifications. (a) Using TATA make RHS/SHS of grade 310	Qtt	48.00

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31	8.1.36	Providing Pre Painted Galvanized Iron Sheet Roofing (PPGI) (Dyna roof / Sathyam/ Durakolor/ Century Wells) at all levels including fitting and fixing with self drilling, self tapping screws complete. (Roof trusses, purlins etc. to be measured and paid separately.) (iv) 0.60 mm thick	Sq m	240.00
32	1.4	Raising low site around the building with approved soil obtained from outside by truck carriage including breaking clods, dressing etc. complete including paying necessary land compensation, municipal gate fees, if any monopoly duty etc. (profile measurement to be taken and 12.5% deduction for shrinkage to be made from total quantity etc. complete as directed and specified, including forest royalty within a distance of 8.00Km. (Forest royalty shall be reimbursed on production of necessary certificate from the forest authority duly countersigned by D.F.O. concerned).	cu m	200.00

- The firms shall be short listed on the basis of Techno-commercial bids and price bids of successful bidders shall be opened only.
13. 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 “**Construction of work shed for installation of cane & bamboo treatment plant**””
- Tenderers must give the complete information regarding their experience for construction of similar job

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- **DOCUMENT TO BE SUBMITTED ALONG WITH THE TENDER**

3. GENERAL PARTICULARS OF	:
1. Name of firm	:
2. Communication address	:
3. Telephone, Telex, Fax No	:
5. E-mail	:
6. Web site	:
7. Name and designation of representativ of the Tenderer to whom all references/	:
8. Amount of earnest money/bid security deposited with instrument no / bank and date	: :
10.Firm Registration number / details	:
12.VAT registration no	:
13.Materials specifications as per DSR 2016	:
14.PAC issued by BMTPC (to be submitted by the tenderer before issue of the work order)	: :
15.Previous experience or work done by the Tenderer of similar nature of project.	: :
16.Name and address of the manufacturer/	:

**(Signature of
Tenderer)**

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1. Detail Drawing
2. Terms & Condition for supplying machineries to be included along with Tender.
3. Sales Tax clearance certificate
4. Income Tax clearance certificate
5. Particulars of Tenderer's Manufacturing unit like registration certificate from the any central Gov't organization such as NSIC, SSI etc.
6. EMD of Rs. 5000/-(Five Thousands) by way of a DD drawn in favour of Cane and Bamboo Technology Centre (CBTC) payable at Guwahati.

General Instruction of Tenders

- **Sale of Tender documents** **As per Tender notice**
- **Envelope containing the Techno-commercial bid and price bid to be address to**

**To
The Managing Director
Cane and Bamboo Technology Centre (CBTC)
13th Mile GS Road, Burnihat, Assam
Email: cbtcassam@gmail.com**

- **The tender is for the Construction of work shed for installation of Cane & Bamboo Treatment Plant” at CBTP,13th Mile, GS Road,Burnihat, Assam as detailed in the Tender Schedule (Annexure-A) and the contracts made under this tender shall be governed by the instructions to tenders.**

**Managing Director
Cane and Bamboo Technology Centre (CBTC)
13th Mile GS Road, Burnihat, Assam**