

**Quotations/Tender Call Notice**  
**SECRETARY BHAGAMUNDA TRCS LTD.**  
**KEONJHAR-758080**

Sealed quotations/ Tenders are invited for the Conveyor Cocoon Stifler (Tasar) for Bhagamunda TRCS for installation and commissioning from interested Original Equipment Manufacturer (OEM)/reputed manufacturers/ supply agencies in two bid system which shall conform to the Terms and conditions as lay down below. The tender Paper can be downloaded only from the website [www.odisha.gov.in](http://www.odisha.gov.in) (HT&H Department) and [www.boyanika.com](http://www.boyanika.com) / [sadhacodisha.org](http://sadhacodisha.org) / [www.kendujhar.nic.in](http://www.kendujhar.nic.in)

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**SECRETARY BHAGAMUNDA TRCS BHAGAMUNDA**  
**KEONJHAR-758080**  
**Email :[bhagamundatrcs123@gmail.com](mailto:bhagamundatrcs123@gmail.com)**  
**Contact No. +91 99376 73989**

Bhagamunda TRCS Ltd. - SPECIFICATIONS OF CONVEYOR COCOON STIFLER (TASAR)			
Sr. No.	DESCRIPTION	SPECIFICATIONS	Quantity
<b>1. GENERAL SPECIFICATION:</b>			
1	Raw material to be Dried	Vanya cocoons (Tasar Cocoon)	1
2	Feeding rate	2000 kg green cocoons per day (24 Hr)	
3	Moisture Removal	1200 Kg per day	
4	Type of Dryer	Continuous (Conveyor) type - 4 Band Conveyor	
5	Size of the Conveyor Dryer (including cocoon feeding part) (Following figure)	13m (Length) X 3m (Width) x 2.5m (Height)	
6	Drying Period	4-5 hours@conveyor speed of 0.12 m/min	
7	Max. Air Temperature	130° C	
8	Ambient temperature considered	30° C	
<b>2. DRYING CHAMBER:</b>			
9	Chamber Size (Following figure)	8m (Length) X 3m (Width) X 2.5m (Height) With Feeding part 5.0m (length) with inclination (As shown in the drawing)	1
10	Chamber Construction	20 SWG G.I Sheet - Double Walled construction. Further powder Coated GI sheet / CR sheet with heat resistance aluminium coating shall be used for chamber construction. Structure is fabricated using L angle of 60 X 60 X 5mm and MS channel of 75 X 40 X 6mm	
11	Technical Insulation	40mm thickness Mineral wool	
12	Insulated door	4 nos. to be provided	

<b>3. HEATING SYSTEM (HOT AIR Generator):</b>			1
13	Hot air generator for Heating System (Figure 11)	The hot air generator made of MS material consisting of forced draught fan, induced draught fan, chimney for exhaust and using Wood (Fired) as a fuel, The dimensions of the hot air generator are as shown in drawings.	
14	Forced Draught Fan	15.0 HP, Air output capacity of 7500 CFM (Cubic feet per minute)	
15	Induced Draught Fan	3.00 HP, Air output capacity of 3000 CFM (Cubic feet per minute)	
16	Hot air Distribution	Through Ducts and Dampers controller	
17	Temperature measurement	Thermocouple sensor -4 Nos.	
18	Cyclone Dust collector	To be provided	
<b>4. CONVEYOR:</b>			
19	Conveyor length	80 meter (4 Band), Conveyor belt is made up of 6mm X 6mm, square woven having SS wire diameter of 0.5mm	1
20	Loading Conveyor	5m (Length) X 2m (Width)	
21	MOC of Conveyor belt	Stainless steel wire Mesh, 6mm X 6mm square woven having wire diameter of 0.5mm.	
22	Exhaust Blower (with damper arrangement) for sucking the moisture from drier and throwing it out. (Figure 11)	3.00 HP, Air suction capacity of 2000 CFM (Cubic feet per minute)	
23	Conveyor speed	0.12 m/min	
24	Conveyor drive	1 HP geared motor with 0.25 m/min max output - 2 Nos.	
25	Delivery drive	0.5 HP geared motor with 0.25 m/min max output	
26	Speed Adjustment	By VFD drive	
<b>5. UTILITIES:</b>			1
27	Total Space Required	17m (Length) X 5m X (Width) X 2.5m (Height)	
28	Electric Power	415 V, 50 Hz, 3Phase	
29	Fuel	Wood Fired	
30	Total power requirement	26 HP (Forced Draught Fan - 15 HP + Induced draught fan - 3 HP + Exhaust Fan - 3 HP + Conveyor Drive 3 HP + Delivery - 2 HP)	
<b>6. ELECTRICAL CONTROL PANEL:</b>			1
31	The control panels will have controls for blower motors, Exhaust motor and Conveyor drive motors and temperature inside the drier.		
32	Temperature indicating meters to be mounted on this panel with digital display.		
33	Suitable safety measures should be provided wherever it is essential.		

## TERMS AND CONDITIONS

Sr. No.	Particulars	Remarks
1	Validity of Tender	180 Days
2	Address, date and time of submission of the tender documents	Office of Secretary, Bhagamunda TRCS Ltd., Keonjhar At/Po- Bhagamunda, Via/P.S- Harichandanpur, Dist.- Keonjhar, State- Odisha, PIN-758080 on or before 10.02.2021 at 5:00 pm
3	Supply, installation and commissioning of the machinery etc.	Within 3 month from the date of placement of order or advance paid failing which order may be cancelled
4	Period of warranty / performance Guarantee of machines.	3 Years
5	Submission of the Programme for delivery	Within 30 days from the date of the acceptance of the order placed.
6	Submission of all requisite documents to be provided by the manufacturer/ supply agency along with the Tender document (In Technical BID).	<p>1. Covering Letter, self-attested PAN CARD, GSTIN Registration details, GST returns update, Certificate of incorporation, 3 years IT returns, Bank statements of last six months, Average annual turnover for last 3 years, Experience certificates. Number of installations of Hot Air Conveyor Stifler (Name and location of any nearest installation made should be mentioned for physical visit &amp; verification will be given preference)</p> <p>2. Tender paper can be downloaded free of cost from the website. <b>Please refer page No. 7 for financial bid as Annexure – I-Conveyor Cocoon Drier and Page No.10 for technical bid as Annexure-II –Conveyor Cocoon Drier for technical bid.</b></p> <p>3. Tender to be sent only in Speed Post/Regd. Post</p> <p>4. Cost of Tender document Rs.1000/- (Rupees One Thousand only) in shape of DD drawn in favour of Secretary, Bhagamunda TRCS Ltd., Keonjhar payable at Keonjhar in any nationalized bank</p> <p>5. EMD in shape of DD of Rs.1 Lakh (One Lakh only) in favour of <b>Secretary, Bhagamunda TRCS Ltd.,</b> Keonjhar payable at Keonjhar in any nationalized bank <b>(EMD to be presented only by the successful bidders L1, L2 &amp; L3 for final round of negotiation)</b></p>
7	Opening of Technical Bid	In the office of Secretary, Bhagamunda TRCs Ltd., Keonjhar, At/Po- Bhagamunda, Dist.-Keonjhar On 11/02/2021 at 11:00AM
8	Opening of Financial Bid	In the office of Secretary, Bhagamunda TRCs Ltd., Keonjhar, At/Po- Bhagamunda, Dist.-Keonjhar on 12/02/2021 at 11:00 AM

***N.B:- 1. Considering limitation due to on-going pandemic Covid-19 situation the Venue and place for opening the tender may get changed. It will be intimated you accordingly, either in the office of***

*Director of Textiles, Odisha, Bhubaneswar-7, Satyanagar or Office of the Bhagamunda TRCS Ltd., At/Po- Bhagamunda, Dist.-Keonjhar*

*2. Separate envelopes for Technical Bid & Financial Bid super scribed on the envelope with detail address contact no. of the bidder should be mentioned.*

## **PART – II**

*The Financial Bid must be submitted in the prescribed format as per Annexure – I with seal & authorised signature in a separate sealed envelope.*

*The Technical Bid must be submitted fulfilling all the technical parameters mentioned as per Annexure – II with seal & authorised signature in a separate sealed envelope.*

1. Before submissions of the tender, the prospective bidders are expected to examine Technical Specifications of the equipment/machineries allied items required, terms and conditions, etc., given in the Tender Documents. Failure to furnish all information required by the Tender documents may result in the rejection of the bid. Detailed specifications of the items tendered and other accessories should be given, in the bid.
2. The descriptive leaflet giving the technical details of the equipment/machineries allied items should be supplied along with the quotation.
3. All accessories required for using the main equipment/machinery to make it fully operational for production are to be specified.
4. The suppliers of the machinery / equipment should provide both theoretical and practical training after commissioning the machinery or at an appropriate stage.
5. The price quoted should be exclusive of duty, ST, installation etc., which should be shown separately in the bid, if applicable. Freight and Insurance charges are to be indicated separately and the same will be paid at actual against supporting documents produced. Packing, forwarding and other charges as applicable are to be indicated separately in the tender.
6. Mode of payment will be finalised by the committee after opening of financial bid on the spot with the selected vender.
7. Delivery of the equipment/machineries should be as per the commitment from the date of receipt of initial payment against acceptance of order in case of Indigenous machinery and should not be extended.
8. The pre-installation requirements including space, nature of civil work, power point, power requirement etc. are to be mentioned clearly in the technical bid.
9. Separate bid for each of the items should be submitted in an envelope superscripted with the name of the item at the top, “LAST DATE OFSUBMISSION:10/02/2021 (5PM), NAME AND ADDRESS OF THE BIDDER. The sealed envelopes in two bid system (Technical Bid & Financial Bid) shall be kept in one envelope and addressed to “The Chairman Purchase Committee, Office of Secretary Bhagamunda TRCS , Keonjhar”
10. The list of organizations (with full addresses, telephone / fax no., e-mail addresses etc.) in India and abroad to which the equipment/machinery were supplied is to be

provided in the bid for our reference. Preference will be given if the supplies are made to internationally reputed test houses both in India and other countries particularly for the bided equipment.

11. Validity of the tender will be 180 days. The bid may be rejected if the validity is not given up to 180 days.
12. The supplier should take responsibility for delivering, installing and commissioning of the machinery inside the premises of Bhagamunda TRCS at the places specified in the tender. The address will be specified in the Purchase Order.
13. Late / delayed tender offers will not be considered at all.
14. Any non-fulfilment of the stipulation given above will make the bid invalid.
15. If the tenders received are not sealed properly, they will not be considered at all.
16. Purchase Committee as appointed by Secretary Bhagamunda TRCS, Keonjhar reserves the right to accept or reject any or all the bids either in full or part without assigning any reason thereof.
17. The local supplier shall be entirely responsible for all taxes duties, license fees etc., incurred until delivery of the contracted goods (to the purchaser) up to place of delivery.
18. The delivery installation & commissioning period of the equipment/machinery as agreed to should not be extended under normal conditions. Suitable penalty for non-execution of the order may be enforced to the extent of 1% of the cost of machinery for every week extended. In case of the delay beyond scheduled period due to some unforeseen reason, written permission is required from the Chairman, Purchase Committee with proper justification to avoid penalty.
19. The equipment/machinery & accessories should be delivered, installed and commissioned at the address specified in the order. Service / operation /instruction / calibration manuals (in English) tool kit and gauges must also be supplied along with the machinery and accessories.
20. During the guarantee / warranty period, servicing / maintenance should be undertaken regularly, subsequently Servicing/maintenance should be undertaken by the manufacturer or authorised agency of the manufacturer.
21. Warranty / performance guarantee period of three years should be given in respect of all the machinery and accessories supplied. Terms for service contract after the expiry of said warranty period are to be quoted separately.
22. The manufacturer / supplier may indicate the Status of the Manufactured Product/or of the performed services as regards to ISO 9000 quality system.
23. List of servicing centres in India is to be indicated with detailed address, telephone no. / fax no. / e-mail address etc.
24. All pre-installation requisites such as Cables, Plugs, Compressor, and Stabilizer, etc. should be provided by the supplier along with the equipment/ machinery. Bhagamunda TRCS will provide adequate space, electricity & water, as the case may be, for the successful installation and commissioning of the equipment/machinery.
25. The Capacity statement of equipment, plant and past performance details should be provided.

**Before finalising the order a technical committee along with technical consultants see actual installations of the machines offered by the bidder / supplier. Bidder/supplier needs to confirm the location for the visit and ensure all the permissions for the team to inspect the machines.**

**NOTE:** The bidder has to specifically state that the clauses one to all as above have been read and understood and agree to comply all the above mentioned clauses individually.

**Sd-  
SECRETARY BHAGAMUNDA TRCS, BHAGAMUNDA  
KEONJHAR**

## ANNEXURE-I –Conveyor Cocoon Drier

### Bhagamunda TRCS Ltd. - SPECIFICATIONS OF CONVEYOR COCOON STIFLER

Sr. No.	DESCRIPTION	SPECIFICATIONS	Quantity	Landed Rate Per Unit in Words & Figures	Total Amount in Rs.
<b>1. GENERAL SPECIFICATION:</b>					
1	Raw material to be Dried	Vanya cocoons (Tasar Cocoons)			
2	Feeding rate	2000 kg green cocoons per day (24 Hr)			
3	Moisture Removal	1200 Kg per day			
4	Type of Dryer	Continuous (Conveyor) type - 4 Band Conveyor			
5	Size of the Conveyor Dryer (including cocoon feeding part) (Following figure)	13m (Length) X 3m (Width) x 2.5m (Height)			
6	Drying Period	4-5 hours@conveyor speed of 0.12 m/min			
7	Max. Air Temperature	130° C			
8	Ambient temperature considered	30° C			
<b>2. DRYING CHAMBER:</b>					
9	Chamber Size (Following figure)	8m (Length) X 3m (Width) X 2.5m (Height) With Feeding part 5.0m (length) with inclination (As shown in the drawing)			
10	Chamber Construction	20 SWG G.I Sheet - Double Walled construction. Further powder Coated GI sheet / CR sheet with heat resistance aluminium coating shall be used for chamber construction. Structure is fabricated using L angle of 60 X 60 X 5mm and MS channel of 75 X 40 X 6mm	1		
11	Technical Insulation	40mm thickness Mineral wool			
12	Insulated door	4 nos. to be provided			
<b>3. HEATING SYSTEM (HOT AIR Generator):</b>					
13	Hot air generator for Heating System (Figure 11)	The hot air generator made of MS material consisting of forced draught fan, induced draught fan, chimney for exhaust and using Wood (Fired) as a fuel, The dimensions of the hot air generator are as shown in drawings.	1		
14	Forced Draught Fan	15.0 HP, Air output capacity of 7500 CFM (Cubic feet per minute)			
15	Induced Draught Fan	3.00 HP, Air output capacity of 3000 CFM (Cubic feet per minute)			

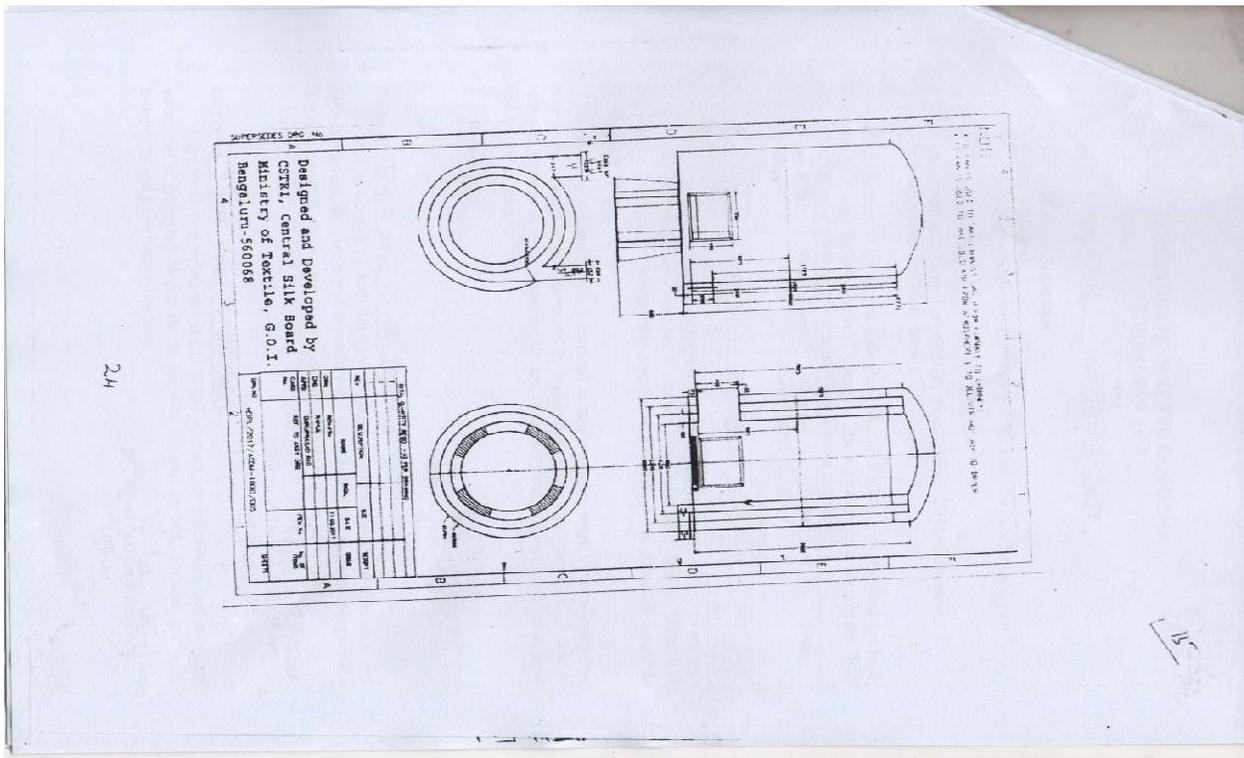
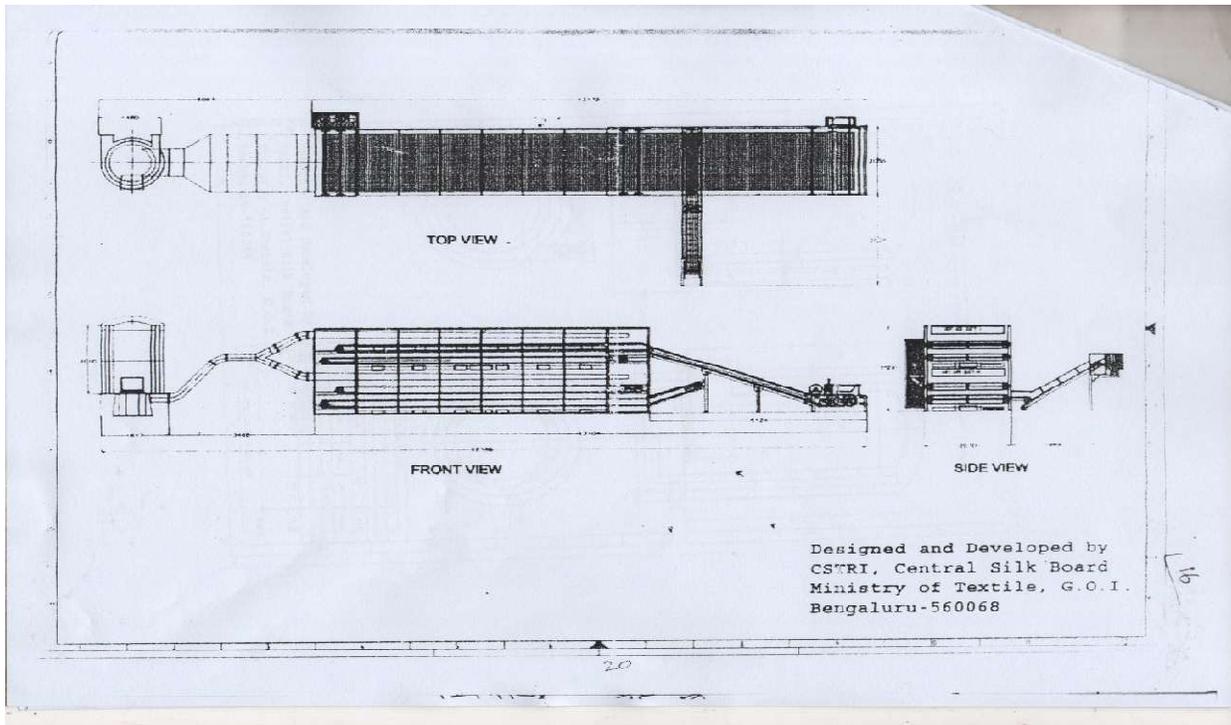
16	Hot air Distribution	Through Ducts and Dampers controller			
17	Temperature measurement	Thermocouple sensor -4 Nos.			
18	Cyclone Dust collector	To be provided			
<b>4. CONVEYOR:</b>					
19	Conveyor length	80 meter (4 Band), Conveyor belt is made up of 6mm X 6mm, square woven having SS wire diameter of 0.5mm	1		
20	Loading Conveyor	5m (Length) X 2m (Width)			
21	MOC of Conveyor belt	Stainless steel wire Mesh, 6mm X 6mm square woven having wire diameter of 0.5mm.			
22	Exhaust Blower (with damper arrangement) for sucking the moisture from drier and throwing it out. (Figure 11)	3.00 HP, Air suction capacity of 2000 CFM (Cubic feet per minute)			
23	Conveyor speed	0.12 m/min			
24	Conveyor drive	1 HP geared motor with 0.25 m/min max output - 2 Nos.			
25	Delivery drive	0.5 HP geared motor with 0.25 m/min max output			
26	Speed Adjustment	By VFD drive			
<b>5. UTILITIES:</b>					
27	Total Space Required	17m (Length) X 5m X (Width) X 2.5m (Height)	1		
28	Electric Power	415 V, 50 Hz, 3Phase			
29	Fuel	Wood Fired			
30	Total power requirement	26 HP (Forced Draught Fan - 15 HP + Induced draught fan - 3 HP + Exhaust Fan - 3 HP + Conveyor Drive 3 HP + Delivery - 2 HP)			
<b>6. ELECTRICAL CONTROL PANEL:</b>					
31	The control panels will have controls for blower motors, Exhaust motor and Conveyor drive motors and temperature inside the drier.		1		
32	Temperature indicating meters to be mounted on this panel with digital display.				
33	Suitable safety measures should be provided wherever it is essential.				

## SUMMARY OF COSTS

Sr. No.	List of Equipment	Landed Rate Per Unit in Words & Figures	Total Amount in Rs.
1	CONVEYOR COCOON DRIER		
	<b>TOTAL</b>		

## ANNEXURE-II –Conveyor Cocoon Drier

### 1. TECHNICAL SPECIFICATIONS OF CONVEYOR COCOON DRIER



**TECHNICAL SPECIFICATIONS OF CONVEYOR COCOON DRIER**

<b>TECHNICAL SPECIFICATIONS OF CONVEYOR COCOON DRIER</b>		
<b>Sr. No.</b>	<b>DESCRIPTION</b>	<b>SPECIFICATIONS</b>
<b>1. GENERAL SPECIFICATION:</b>		
1	Raw material to be Dried	Vanya cocoons (Tasar Cocoons)
2	Feeding rate	2000 kg green cocoons per day (24 Hr)
3	Moisture Removal	1200 Kg per day
4	Type of Dryer	Continuous (Conveyor) type - 4 Band Conveyor
5	Size of the Conveyor Dryer (including cocoon feeding part) (Following figure)	13m (Length) X 3m (Width) x 2.5m (Height)
6	Drying Period	4-5 hours@conveyor speed of 0.12 m/min
7	Max. Air Temperature	130° C
8	Ambient temperature considered	30° C
<b>2. DRYING CHAMBER:</b>		
9	Chamber Size (Following figure)	8m (Length) X 3m (Width) X 2.5m (Height) With Feeding part 5.0m (length) with inclination (As shown in the drawing)
10	Chamber Construction	20 SWG G.I Sheet - Double Walled construction. Further powder Coated GI sheet / CR sheet with heat resistance aluminium coating shall be used for chamber construction. Structure is fabricated using L angle of 60 X 60 X 5mm and MS channel of 75 X 40 X 6mm
11	Technical Insulation	40mm thickness Mineral wool
12	Insulated door	4 nos. to be provided
<b>3. HEATING SYSTEM (HOT AIR Generator):</b>		
13	Hot air generator for Heating System (Figure 11)	The hot air generator made of MS material consisting of forced draught fan, induced draught fan, chimney for exhaust and using Wood (Fired) as a fuel, The dimensions of the hot air generator are as shown in drawings.
14	Forced Draught Fan	15.0 HP, Air output capacity of 7500 CFM (Cubic feet per minute)
15	Induced Draught Fan	3.00 HP, Air output capacity of 3000 CFM (Cubic feet per minute)
16	Hot air Distribution	Through Ducts and Dampers controller
17	Temperature measurement	Thermocouple sensor -4 Nos.
18	Cyclone Dust collector	To be provided

<b>4. CONVEYOR:</b>		
19	Conveyor length	80 meter (4 Band), Conveyor belt is made up of 6mm X 6mm, square woven having SS wire diameter of 0.5mm
20	Loading Conveyor	5m (Length) X 2m (Width)
21	MOC of Conveyor belt	Stainless steel wire Mesh, 6mm X 6mm square woven having wire diameter of 0.5mm.
22	Exhaust Blower (with damper arrangement) for sucking the moisture from drier and throwing it out. (Figure 11)	3.00 HP, Air suction capacity of 2000 CFM (Cubic feet per minute)
23	Conveyor speed	0.12 m/min
24	Conveyor drive	1 HP geared motor with 0.25 m/min max output - 2 Nos.
25	Delivery drive	0.5 HP geared motor with 0.25 m/min max output
26	Speed Adjustment	By VFD drive
<b>5. UTILITIES:</b>		
27	Total Space Required	17m (Length) X 5m X (Width) X 2.5m (Height)
28	Electric Power	415 V, 50 Hz, 3Phase
29	Fuel	Wood Fired
30	Total power requirement	26 HP (Forced Draught Fan - 15 HP + Induced draught fan - 3 HP + Exhaust Fan - 3 HP + Conveyor Drive 3 HP + Delivery - 2 HP)
<b>6. ELECTRICAL CONTROL PANEL:</b>		
31	The control panels will have controls for blower motors, Exhaust motor and Conveyor drive motors and temperature inside the drier.	
32	Temperature indicating meters to be mounted on this panel with digital display.	
33	Suitable safety measures should be provided wherever it is essential.	