



# સરકારી ઇજનેરી કોલેજ

(ગુજરાત સરકાર)

પશુ વૈદિકની બાજુમાં, સેક્ટર-૨૮, ગાંધીનગર - ૩૮૨૦૨૮.

**GOVERNMENT ENGINEERING COLLEGE**  
(Government of Gujarat)

Nr. Animal Vaccine Institute, Sector-28, Gandhinagar-382028

Tel. : (O) 079-23215167 Tele Fax : (Pr) 079-23215965

E-mail : gec-gnagar-dte@gujarat.gov.in

Website : gecgh.cteguj.in

GECG/MET/SSIP/RNIF/2019/ 751

Date 02 AUG 2019

## Inquiry for "REVOLUTIONARY NON-FERROUS INNOVATORY FURNACE" at Government Engineering College, Gandhinagar

Bid Reference Number & Date:	GECG/MET/RNIF/2019/751	DATED: 02/08/2019
Last Date & Time for Submission of Bid:	17:00 HRS, 16/08/2019	
Date: opening of Bid (Technical/Commercial)	17/08/2019	
Venue of opening of Bid:	GOVT. ENGG. COLLEGE, SEC-28, GANDHINAGAR	

### Invitation for Quotation

To,

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Sub: Invitation for quotations for supply of Goods & Service.

Dear Sir/Madam,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications as given at **Annexure-I**,

Sr. No.	Brief Description	Quantity	Delivery Period (in days)	Place of Delivery	Installation, Testing, Training Requirement (if any)
1	Fabrication and other assembly work of Revolutionary Non-ferrous Innovatory Furnace with new concept of waste Heat Utilization	1	30	GEC, Gandhinagar, Sector-28, Gujarat.	Installation, Testing and commissioning are required.

2. Detailed specifications of the item are at **Annexure-I**.
3. Quotation,
  - 3.1 The contract shall be for the full quantity as described above.



- 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
- 3.4 Applicable taxes shall be quoted separately for all items.
- 3.5 The price quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- 3.6 The prices should be quoted in Indian rupees only. The total price should include transportation, taxes, installation at proper place, inspection, training etc. The price quoted shall be F.O.R. the delivery place.
- 3.7 The price should be quoted in given format for quotation as given at **Annexure-II**.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **60 days** after the last date of quotation submission.
6. Evaluation of quotations,  
The purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
- 6.1 are properly signed; and
- 6.2 confirm to the terms and conditions, and specifications.
7. The quotations would be evaluated together.
8. Award of any contract:  
The purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- 8.1 Notwithstanding the above, the purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 8.2 The bidder whose bid is accepted will be notified of the award of contract by the purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:  
**Delivery and Installation – 0% of total cost**  
**Satisfactory Acceptance – 100% of total cost**
10. All supplied items are under warranty of **12 months** from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **17:00 hours** on **16/08/2019**.
12. Information brochures/Product catalogue, if any must be accompanied with quotation clearly indicating the model quoted for.
13. The bidder shall provide compliance of the technical specification in compliance sheet in Yes/No only at **Annexure-III**. Any other way of compliance shall not be acceptable.
14. Sealed quotation super subscribed "**Quotation for the REVOLUTIONARY NON-FERROUS INNOVATORY FURNACE**" to be submitted/delivered at the address mentioned below,  
**Government Engineering College, Near Animal Vaccine Institute, Sector-28, Gandhinagar-382028**
15. We look forward to receiving your quotation.
16. If the supplier required more time to finish the above said work then he/she shall inform the college before 7 days of deadline date and mention date & time required to accomplish the work via e-mail or postal mail.

**Authorized Signatory**



  
(Name & Designation)  
Principal  
Govt. Engg. College,  
Sector-28, Gandhinagar  
Page 2 of 6

### About the furnace

#### **Revolutionary Non-Ferrous Innovatory Furnace (RNIF)**

- In this project, we are developing a furnace with a new concept of waste heat utilization.

#### **Annexure-I**

##### **Detailed specification of Components**

<b>Sr. No.</b>	<b>Component</b>	<b>Specification</b>
<b>1</b>	Fabrication and other assembly work of Revolutionary Non-ferrous Innovatory Furnace with new concept of waste Heat Utilization	<ul style="list-style-type: none"><li>• Furnace will be built with a capacity of 100kg and will be used for melting of non-ferrous metals and alloys for e.g. Aluminum, magnesium, copper etc.</li><li>• The heating zone will be of 500X500X500(mm) with arch shaped top. <b>(As per attached design)</b></li><li>• Manufacturing of composite refractory layer to the whole heating zone according to <b>design given</b>. (i.e. Refractory layer-made up of alumina bricks, Castable, Accoset-50 and cerawool to be used according to thermal conductivity) will be provided <b>by the client</b>.</li><li>• Mount the pressure relief valve to maintain the required pressure inside the furnace. Selection of appropriate valve will be done by IBR inspector. <b>(By supplier)</b></li><li>• There will be a taping system for the discharge of molten metal from the lower side of the furnace. <b>(Taping system by supplier as per design)</b></li><li>• For the complete and smooth tapping at the hearth level, a tapper angle is given <b>as per design</b>.</li><li>• The size of the preheating zone of the furnace is 500X500X500 (mm)</li><li>• The refractory layer of the preheating zone is same as the melting zone. <b>(Refractory will be provided by client)</b></li><li>• The fabrication of outer body of the furnace is to be made up of M.S. plate (5 mm- thickness) as per design. <b>(M S Plate by supplier)</b></li><li>• A pipe is used to provide for the transfer of waste/excess heat to the preheating zone.</li><li>• The Gas Burner fitting &amp; its accessories are to be mounted on furnace by supplier. <b>(Gas burner &amp; accessories given by client)</b>.</li><li>• To measure and maintain the temperature inside the furnace, a digital temperature control system is to be used. <b>(By supplier)</b></li><li>• An opening for the charging of raw material into the furnace and preheating chamber is to be provided <b>as per design</b>.</li><li>• A hole on the top of the heating zone is to be provided for the stirring purpose of the molten metal <b>as per design</b>.</li><li>• Two doors with pressurized locking system should be provided to both zones (i.e-heating and preheating) to remain leak proof <b>as per design</b>.</li><li>• Portable frame is to be fabricated by angles for mobility of furnace <b>as per the design</b>. <b>(Angles and fabrication by supplier)</b></li><li>• Wheels should be provided at angle frame for easy portability and which can sustain weight up to 2000 kg. <b>(Wheels by supplier)</b></li><li>• Assembly of 1) Refractory, 2) Burner 3) Pressure Relief Valve, and 4) Taping system 5) Safety system, etc.</li><li>• The furnace body and frame should be painted.</li><li>• Everything is to be done as per the design provided by the client.</li></ul>



**Note :-**

1. Quotation should be provided, inclusive of all taxes, cost of delivery of material supplied by client to supplier and delivery charges.
2. Any discount if possible as it is a student research project will be appreciated and should be mentioned into the Quotation.

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**Annexure - II**  
**FORMAT FOR QUOTATION SUBMISSION**  
(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To: \_\_\_\_\_

Sr. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Per Sq. ft.) (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	GST and other taxes payable	
						In %	In figures (B)
<b>Total Cost</b>							

**Gross Total Cost (A+B): Rs.** \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (Amount in figures)(Rupees \_\_\_\_\_ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of \_\_\_\_\_ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

**Signature of Supplier**



**Nam:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Contact No:** \_\_\_\_\_

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**Annexure III**

**Compliance of Technical Specification**

The bidder shall provide compliance of technical specification in compliance sheet in terms of yes/no at Annexure III. Any other way of compliance shall not be allowed.

<b>Sr.</b>	<b>Item Specification</b>	<b>Compliance (Yes/ No)</b>	<b>Remarks</b>
1			
2			
3			
4			
5			
6			
7			

(Authorized Signatory)



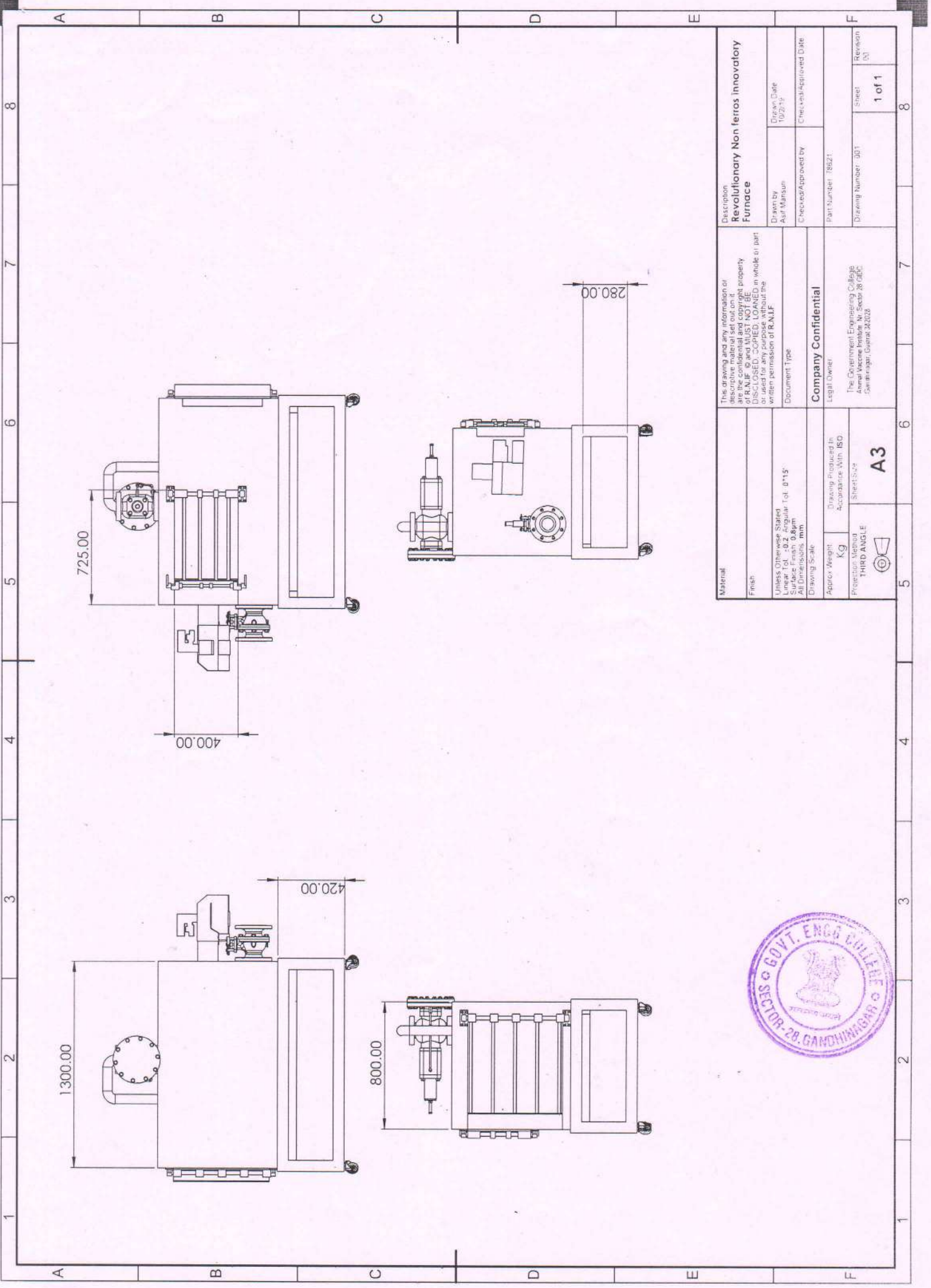
**Note:** -The supplier has to follow the below format on their letter pad with Authorized stamp and signature to maintain the confidentiality of the project.

## CONFIDENTIALITY AND NON-DISCLOSURE AGREEMENT

The Parties shall

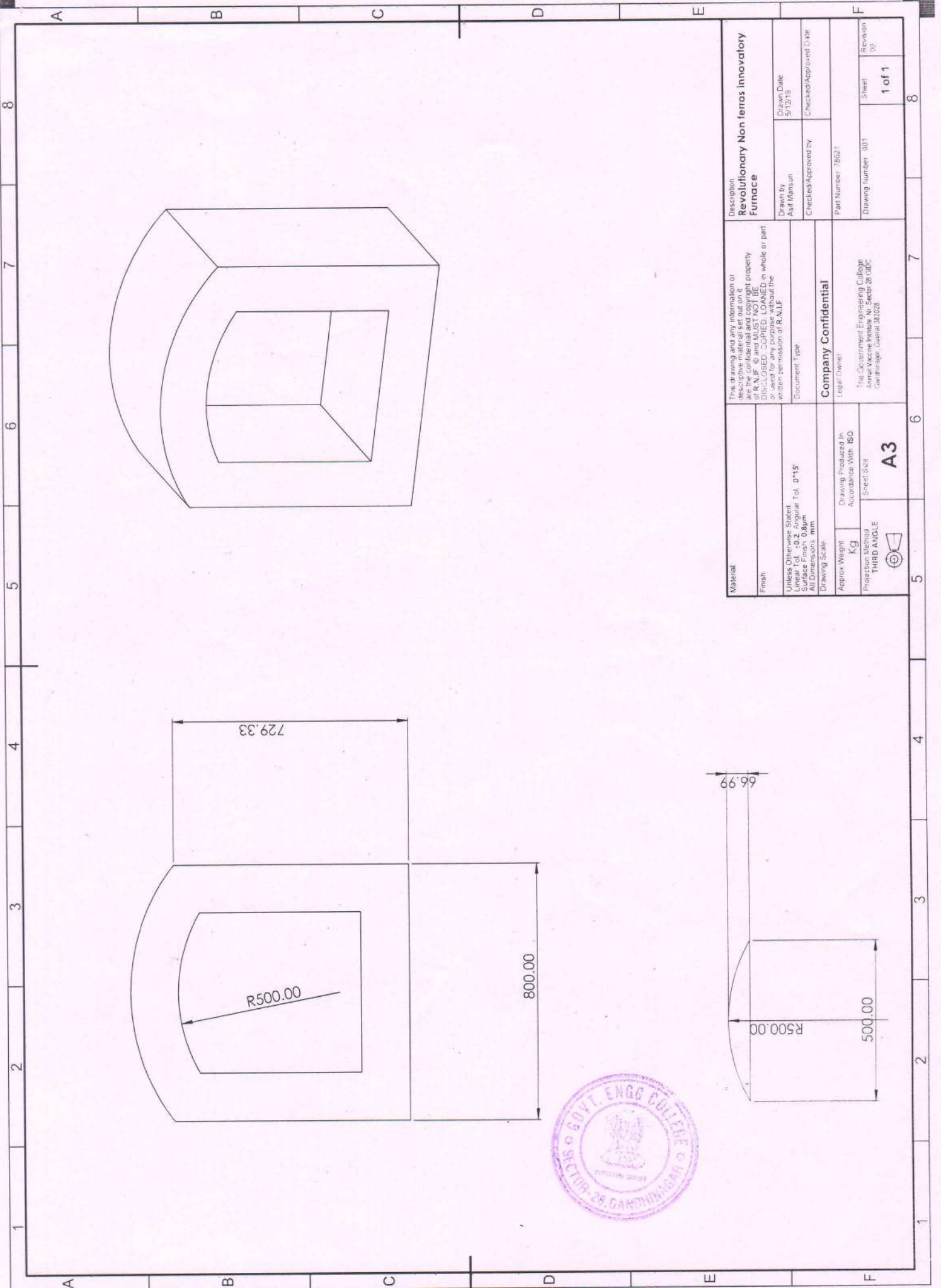
1. Use reasonable efforts to maintain the confidentiality of the information and materials, whether oral, written or in any form whatsoever, of the other that may be reasonably understood, from legends, the nature of such information itself and/or the circumstances of such information's disclosure, to be confidential and/or proprietary thereto or to third parties to which either of them owes a duty of nondisclosure (collectively, "Confidential Information").
2. Take reasonable action in connection therewith, including without limitation at least the action that each takes to protect the confidentiality of its comparable proprietary assets.
3. To the extent within their respective possession and/or control, upon termination of this Agreement for any reason, immediately written to the provider thereof all confidential information not licensed or authorized to be used or enjoyed after termination or expiration hereof.
4. With respect to any person to which disclosure is contemplated, required such person to execute an agreement providing for the treatment of confidential information set forth in clause 1 through 3. The foregoing shall not require separate written agreements with employs and agents already subject to written agreements substantially confirming to the requirements of this section not with legal counsel, certified public accountants, or other professional advisors under a professional obligation to maintain the confidences of clients.





Material	This drawing and any information or data contained herein are the confidential and copyright property of R.A.I.F. & MUST NOT BE DISCLOSED, COPIED, LOANED in whole or in part for any purpose without the written permission of R.A.I.F.	Description <b>Revolutionary Non ferrous innovative Furnace</b>	Drawn by Asif Mansur	Drawn Date 10/2/19
			Checked/Approved by	Checked/Approved Date
Finish	Document Type	Company Confidential	Part Number 18621	
Unless Otherwise Stated Linear Tol. ±0.2, Angular Tol. 0°15' Surface Finish: 0.8µm All Dimensions in mm			Legal Owner	Drawing Number 301
Drawing Scale	Approx Weight Kg	Projection Method THIRD ANGLE	Drawing Number 301	
Approx Weight Kg	Drawing Produced In Accordance With ISD	Sheet Size A3	1 of 1	
Projection Method THIRD ANGLE	Sheet Size A3	The Government Engineering College Amal Vaccine Institute, Nr. Sector 38 GRC Gurgaon, Haryana, India - 122028		





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Finish		Document Type		Drawn by Asif Rahnun	Drawn Date 5/12/19
Unless Otherwise Stated Linear Tol. $\pm 0.2$ Angular Tol. $0^{\circ}15'$ Surface Finish: $0.8\mu m$ All Dimensions in mm		Drawing Produced In Accordance With ISO		Checked/Approved by	Checked/Approved Date
Drawing Scale		Sheet Size		Part Number 75621	
Approx Weight Kg	THIRD ANGLE	A3		Drawing Number 201	
Projection Method		Company Confidential		Revision (0)	
Legal Owner: Tata Government Engineering College Jawahar Vastave Institute, Nt. Sector 29 Gurgaon Gandhinagar, Gurgaon 122028				Sheet 1 of 1	