

## **TENDER NOTICE**

**NIT No. TRTC/Ghy/Enquiry/2014-15/42**

**Dated: 23/02/2015**

Sealed tenders are invited on behalf of “Tool Room & Training Centre, Guwahati” from the reputed manufacturers or their authorized agents to supply the following machine.

<b>Sl. No.</b>	<b>Description of Machine</b>	<b>Qty.</b>	<b>Last date of sale of tender forms</b>	<b>Last date &amp; time of submission of bids</b>	<b>Date of opening of technical bids</b>	<b>Date of opening of commercial bids</b>
1	Virtual Welding Simulator	01	26/03/2015 15:00 hrs	27/03/2015 10:00 hrs	27/03/2015 11:00 hrs	Will be informed

Non-transferable tender documents containing specification of the machine required as also other terms and conditions can be had from the Centre between 10:00 hours to 15:00 hours on payment of Rs. 2,000/- as tender fees by demand draft drawn in favour of “Tool Room & Training Centre, Guwahati” on all working days. Tender form can also be downloaded from our website: [www.trtcguwahati.org](http://www.trtcguwahati.org) and can be submitted by paying the required tender fees. Tender fees is non refundable even on cancellation of the tender process for any reason.

In case, the date of opening of the tender happens to be an unscheduled holiday then the tenders will be opened on the next day/suitable day at the same time and venue.

Project Manager  
Tool Room & Training Centre  
(Govt. of India Society)  
Amingaon Industrial Area  
Amingaon, Guwahati – 781 031  
Ph No: 0361 – 2680907, Fax: 0361 – 2381030  
Email: [trtcghy@hotmail.com](mailto:trtcghy@hotmail.com)  
Website: [www.trtcguwahati.org](http://www.trtcguwahati.org)

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IMPORTANT: TENDERERS SHOULD READ THE TENDER PAPERS CAREFULLY:  
SUBMISSION OF TENDER IMPLIES THAT HE/THEY HAS READ AND UNDERSTOOD ALL THE TERMS AND CONDITIONS OF THE TENDER AND AGREES TO BIND HIMSELF/THEMSELVES TO THE SAME. ALL PAGES OF THE TENDER DOCUMENTS SHOULD BE SIGNED BY THE TENDERER(S) AND RETURNED WITH PART 'A' OF THE TENDER.

**TENDER NO. TRTC/Ghy/Enquiry/2014-15/42**

**Dated: 23-02-2015**

Due Date: 27-03-2015

Time: 10:00 hrs

**PART - I**

From: The Project Manager  
Tool Room & Training Centre  
Amingaon Industrial Area  
Amingaon, Guwahati - 781031

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

1.0 Sealed tenders for Virtual Welding Simulator as per specification given in the attached scheduled (Part-III) are invited by the Project Manager, Tool Room & Training Centre, Guwahati, India (hereinafter called the 'the Centre and/or the Purchaser'). The tender shall be received upto 10:00 hrs on 27-03-2015 and shall be opened at 11:00 hrs on 27-03-2015 in the presence of the intending tenderers as per schedule and procedure described in the tender documents. Tenders received late will not be accepted. Tenders should be accompanied by interest free Earnest Money for each tender in the form of Demand Draft drawn in favour of "**Tool Room & Training Centre, Guwahati**" as per following.

Sl. No.	Name of Machine	Tender No	Earnest Money
01	Virtual Welding Simulator	TRTC/Ghy/Enquiry/2014-15/42 dated 23-02-2015	Rs. 25,000/-

Tender without Earnest Money will not be accepted. Earnest Money will be returned to unsuccessful bidders on finalization of tender process. Tenderers registered with DGS&D and or NSIC for quoted machine/equipment/goods mentioned in Part-III are exempted from depositing Earnest Money on submission of proof of current valid (as on date) registration along with Part "A" of the tender. Earnest Money must be submitted with Technical specification i.e., Part "A". Bank Guarantee in lieu of Demand Draft can be submitted on Non Judicial Stamp Paper from any National/reputed Bank.

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- 2.0 Tenders must be submitted in two parts as per Para 3 below and sent by registered post or deposited in the Tender Box kept at Tool Room & Training Centre, Guwahati in a strong sealed cover addressed to the Project Manager, Tool Room & Training Centre, Guwahati, Amingaon Industrial Area, Amingaon, Guwahati – 781031, India and distinctly marked as described in para 3 below.
- 3.0 a) The tenders should be submitted in two parts. Part “A” should contain the technical specifications of the quoted machine/equipment/goods which should be described in sufficient details and earnest money. Detailed technical literature (Printed catalogues) should be enclosed. It should also be accompanied by a list of organisations where similar machine/equipment/goods have been supplied by the tenderer in India in the last three years. No price should be indicated either for the machine/equipment/goods with standard accessories or for special accessories in this Part “A”. All pages of these tender documents are to be signed and returned with this part “A”. It should be placed on an envelope which should be prominently marked as below:

**PART “A”**                      **Tender for VIRTUAL WELDING SIMULATOR**  
**Tender No. TRTC/Ghy/Enquiry/2014-15/42 dated 23-02-2015**  
**Due Date: 27-03-2015                      at 10:00 hrs.**  
**Opening date: 27-03-2015                      at 11:00 hrs.**

In case, the date of opening of the tender happens to be an unscheduled holiday then the tender will be opened on the next day/suitable day at the same time and venue.

This envelope should be securely fastened and sealed and addressed as described in para 2.0 above.

b) Para “B” of the tender should contain the prices quoted by the tenderer for the machine/equipment/goods with standard accessories described in Part “A” of the tender. It is very important that the prices are quoted with reference to the description of the machine/equipment/goods and other accessories offered in Part “A” of the tender. Part “B” of the tender should be put in another envelope which should be prominently marked as below:

**PART “B”**                      **Tender for VIRTUAL WELDING SIMULATOR**  
**Tender No. TRTC/Ghy/Enquiry/2014-15/42 dated 23-02-2015**

The date of opening of commercial bids will be communicated to the technically qualified bidders. Tenderers should mention address with their fax no and email address so that the date can be communicated to them.

This envelope should be securely fastened and addressed as described in para 2.0 above.

c) Both the envelopes marked Part "A" and Part "B" as mentioned in (a) and (b) above should be put in another strong cover (envelope) which should be securely fastened, sealed and should be prominently marked as below:

**Tender for VIRTUAL WELDING SIMULATOR**

**Tender No. TRTC/Ghy/Enquiry/2014-15/42 dated 23-02-2015**

**Due Date: 27-03-2015 at 10:00 hrs**

**Opening date: 27-03-2015 at 11:00 hrs**

This envelope should be addressed as described in para 2.0 above and submitted as mentioned in para 1.0 & 2.0 above.

- 4.0 The strong cover mentioned in paras 2 & 3 above shall be opened at 11:00 hours on 27-03-2015 in the presence of the intending tenderers/their representatives. Part "A" of the tenderers as mentioned in para 3 (a) above shall also be opened in the presence of the intending tenderers/their representatives. Date of opening of Part 'B'/commercial bids will be informed later.
- 5.0 The tenders should be valid for acceptance for a period of 120 days from the date of tender opening of bids.
- 6.0 THE REQUISITE CERTIFICATE IN THE PROCEDURE MENTIONED AT 3(a), (b) CERTIFICATE OF REGISTRATION WITH DGS&D OR NSIC, IF APPLICABLE, AND DETAILS OF ORGANISATIONS WHERE SUCH MACHINES HAVE BEEN SUPPLIED BY THE TENDERER AND EARNEST MONEY ARE TO BE ENCLOSED WITH PART "A" OF THE TENDER. **THIS CENTRE WILL VERIFY THE PERFORMANCE OF THE QUOTED MACHINE & IF ANY ADVERSE COMMENT IS RECEIVED FROM THEM, THE TENDER OF THE QUOTED MACHINE WILL BE REJECTED AT ANY STAGE OF THE TENDER PROCESS.**
- 7.0 The Centre reserves the right to reject any or all offers without assigning any reason whatsoever. The Centre also deserves the right to accept any tender in whole or part without assigning any reason whatsoever. Opening of Part "B" of tender is no commitment whatsoever and does not prejudice the aforesaid right of the Centre to reject any or all offers without assigning any reason whatsoever. The successful tenderer shall be notified of the acceptance of the tender and till such intimation is received tenderer(s) should not make any arrangement or incur any expenditure in anticipation of the receipt of notice of acceptance; he/they will have no claim for compensation of any sort. On issue of notice of acceptance of the tender, the tenderer will furnish Performance Bank Guarantee valid upto 60 days beyond warranty period for 10% of the order value has to be submitted from Nationalized bank before final payment.

Machine/equipment/goods are to be installed and used at **Tool Room & Training Centre, Guwahati, Amingaon Industrial Area, Near EPIP, Amingaon, Guwahati – 781031, Assam, India.**

8.0 Other conditions of the Tender are:

i) The price quoted in Part “B” of the tender shall be FOR destination (Guwahati) i.e., free delivery at site in the premise of the Centre including installation & commissioning, training of staff of Tool Room, inspection at manufacturing site. Unless Excise duty, Sales tax, packing, handling and forwarding charges are indicated separately these will be presumed to have been included by the Tenderers in the prices quoted.

ii) The purchaser will not pay separately for transit insurance and the Tenderers will be responsible till the entire machine/equipment/goods are contracted and uploaded, installed and commissioned at Tool Room & Training Centre, Amingaon, Guwahati – 31. **Contractor will be responsible till the entire machine/equipment/goods contracted arrive in good condition at destination, installation and commissioning of the same. Purchaser will not claim any insurance for the machine but will provide required assistance if required. The manufacturer or his dealer or Indian agent should replace the damaged parts/machines, if any, at their cost.**

iii) *Force Majeure*: The Contractor shall not be liable to forfeiture of security deposit, liquidated damages or termination for default. If and to the extent the delay in performance or other failures to perform its obligation under the contract is the result of an event of ‘*Force Majeure*’. For the purpose of this clause ‘*Force Majeure*’ means an event beyond control of the Contractor and not involving the Contractor’s fault or negligence and not foreseeable. Such contractual capacity. Wears or revolution and freight, floods, epidemics, quarantine restriction and freight embargoes. If a *Force Majeure* situation arises, the Contractor shall promptly notify the Purchaser in writing of such condition and the case thereof. Unless otherwise directed by the Purchaser in writing, the Contractor shall continue to perform its obligation under contract as far as is reasonable, practical, and shall seek all reasonable alternative means for performance not prevented by the *Force Majeure* event.

iv) The payment terms shall be as below and it will not be negotiated.

80% with full taxes shall be paid within 7 days of receipt of Machine with equipments and all accessories at site in good condition and successful commissioning and installation. The final payment of 20% will be released within 30 days on submission of Performance Bank Guarantee of 10% of Basic value of machine valid upto 60 days beyond the warranty period.

v) Warranty period: 1 year after date of the Purchaser’s signed approval of the Commissioning of the machine/equipment/goods at site with all parts/components in good condition. Another 2 years of Extended Warranty to be quoted separately. The supplier shall also provide free after sales service and free replacement of defective parts during the Guarantee period.

vi) Any dispute or difference arising in interpretation or applications of provision of the Contract shall be referred to the sole arbitration of Development Commissioner (MSME), Ministry of MSME, Govt. of India or any person appointed by him. The award of arbitrator shall be final binding on both the parties. Arbitration shall be final governed by Indian Arbitration Act.

vii) In case of any change on the Constitution of firm tenderer/contractor shall notify the same to the Centre provided that such change shall not relieve any former member/partner of the firm from any liability under the contract and provided that no new member/partner shall be accepted by the firm unless he agrees to abide by all the terms and conditions of this contract.

viii) The supplier should certify that spare parts of the said machine/equipment/goods will be available for the next 5 years in the market & they will provide the minimum 5 years and indicate the detailed address of the service centre after self-service.

9.0 Delivery Required: As per schedule in Part IV of Tender Documents.

10.0 Training of Purchaser's staff in operation and maintenance will be tenderers' responsibility. If the tenderer has not quoted for the item, which is in the tender specification, in such cases for the purpose of comparative stamen of commercial bid **the highest rate quoted by any other tenderer will be undertaken.**

11.0 Tenderer participating in the tender of the machines/equipments are bound by the terms and conditions of TRTC, Guwahati as mentioned in the tender documents and no other condition is acceptable.

**PROJECT MANAGER**

Dated: Guwahati, the 23<sup>rd</sup> February, 2015

Tool Room & Training Centre, Guwahati

**PART - II**

**TENDER**

To  
The Project Manager  
Tool Room & Training Centre  
Amingaon Industrial Area  
Amingaon, Guwahati - 781031

Dear Sir,

I/We agree, on acceptance of the tender in whole or in part, to supply to Tool Room & Training Centre, Guwahati, India the machine/equipment/goods and accessories detailed in Part 'A' of the Tender enclosed herewith at process quoted by me/us in Part 'B' of the Tender which is also enclosed herewith in a sealed cover marked 'B'. I/We agree to hold the offer open for 120 days from the due date of opening of bids. I/We have read and understood the terms and conditions of the Tender documents which become Contract on acceptance of Tender, and agree to be governed by the same. I/We specifically undertake that I/We will not resale from mu/our offer or modify the terms and conditions thereof.

\_\_\_\_\_  
Signature of the Tenderer

Name : \_\_\_\_\_

Designation : \_\_\_\_\_

Name  
& Address of  
the firm : \_\_\_\_\_

Witness  
Signature : \_\_\_\_\_

Name : \_\_\_\_\_

Designation : \_\_\_\_\_

Address of the  
Firm : \_\_\_\_\_

**TOOL ROOM & TRAINING CENTRE, GUWAHATI**  
**NIT No. TRTC/Ghy/Enquiry/2014-15/42 Dated: 23/02/2015**

**SPECIFICATION FOR VIRTUAL WELDING SIMULATOR**

Name of the Machine	Virtual Welding Simulator
Quantity	01 (One) (may be two numbers based on available fund)

<b>Sl. No.</b>	<b>Description</b>	<b>Technical Specification</b>
01	Operating Technology	Digital, PC Based/VR/AR or higher
02	Input Supply	115V/230V/1ph/50/60Hz or higher
03	Input Current	Not more than 4A at 115 and 2A at 230 V
04	Learning Concept	Sequence and Simulation Mode or higher
05	Skill to be Operated	Capable of visual cues available for welding speed/stick out/torch angle, work angle and position in the joint which give real time technique feedback.
06	Welding Joints	Butt, Fillet (Flat, Tee, Groove and Lap Joint) or higher
07	Weld Position (Essential)	1G, 2F, 2G, 3F,3G, 4F, 4G Positions or higher
08	Types of Work Pieces	Non Metallic Plates
09	Work Piece Fixture	Snap Fit, No Fasteners
10	Weld Puddle Simulation Technology	Weld Puddle Modeling to enables realistic weld puddle simulation which may react to student movement.
11	Location of Sensors	On work area, Torch and Helmet



Sl. No.	Description	Technical Specification
12	Virtual Viewing Technology	Helmet for realistic experience
13	Alternate View Options	Screen – 430mm or equivalent LCD touch screen monitor with 4watt output speakers.
14	Modes of Language	English
15	Welding Process Simulation Capability	GMAW, FCAW, SMAW, GTAW
16	Replication of work like situations in case of welding positions	With telescopic table
17	Evaluation Methodology	Objective Evaluation
18	Student Evaluation Method	(Position, Concept tip to work distance, Work angle, Travel angle, Travel Speed) for potential discontinuities, slag, weld size, heat input and root penetration are calculated.
19	Welding Lesson Backup For Training	<p>Comply.</p> <p><b><u>Unit 1: Welding Types, Careers &amp; Safety</u></b></p> <p>Types of Welding, Welding Safety, Safety Review, Assessment, Certification</p> <p><b><u>Unit 2: Welding Equipment, Defects &amp; Basics</u></b></p> <p>Welding Equipment, Weld Defects, Welding Basics, Assessment</p> <p><b><u>Unit 3: The Welding Simulation</u></b></p> <p>Introduction to Welding Simulation, Welding Simulation Training/ Diagnostic Report, Welding Simulation Review/Assessment and others</p>
20	Score for Welding Performance	Weld score shall be provided for each student welder based on his performance on each pass which can be evaluated in future for progress report.

**SPECIAL CONDITIONS**

1. Before handing over the machine/equipment/goods will be inspected in the premises of the contractors for which contractor shall provide, at their cost, all testing facilities. It is, therefore, one of the requirements that the tenderers should have adequate testing facilities.
2. The offer should include a list of spare parts which are necessary for maintenance and operation of machine/equipment/goods for a period of two years with price of each spare part separately shown
3. Foundation drawings and other installation and commissioning instructions/procedure are to be forwarded by the tenderer whose tender is accepted to the Purchaser immediately on receipt of Acceptance of Tender.
4. Training of Purchaser's staff in operation and maintenance will be tenderer's responsibilities.
5. The tenderer should submit the Technical bid and Commercial bids in the **prescribed formats only and no other format will be entertained**. They may enclose sheets if they want to give additional information in addition to the specification/requirement.
6. Supplier's Sales Tax Registration Number/TIN No/PAN No should be mentioned in the tender positively.
7. No enhancement of rate for whatever cause will be allowed once the tender is accepted. Withdrawal of the tender or failure to make the supply within the scheduled period will entail cancellation of the order in addition to forfeiture of Earnest Money Deposit/Security Deposit.
8. Inspection formats/Test reports used and the standard (ISI/BBS/DIN) adopted should be supplied along with the quotation.
9. A penal charge @ ½% of the order value for delay of every 15 calendar days beyond the agreed delivery period to the extent of maximum 5% will be levied.
10. The goods are to be dispatched only through reputed transporter having All India Permit on Door Delivery basis.

11. The checklist of documents submitted to be filled in as per Part V and to be enclosed along with the Technical bid

12. Delivery Schedule:- Two months from the date of receipt of Acceptance of Tender.

\_\_\_\_\_  
Signature of the Tenderer

Name : \_\_\_\_\_

Address of  
the firm : \_\_\_\_\_

**WITNESS:-**

Signature : \_\_\_\_\_

Name : \_\_\_\_\_

Address of the  
Firm : \_\_\_\_\_

**TOOL ROOM & TRAINING CENTRE, GUWAHATI**

Check list for tender document of "VIRTUAL WELDING SIMULATOR"

Please mention the document enclosed along with the offer as per the checklist

SL NO	PARTICULARS	YES	NO
1	Earnest Money		
2	Technical Bid		
3	Commercial Bid		
4	Catalogue for the Machine		
5	Latest Income Tax clearance certificate to be enclosed		
6	Latest Sales Tax clearance certificate to be enclosed		
7	Latest Excise clearance certificate to be enclosed		
8	DGS&D certificate to be enclosed if registered for the particular machine offered		
9	Registered under NSIC certificate to be enclosed if applicable		
10	List of customers with address and contact nos to whom the said machine has been supplied		
11	Performance certificate of the customer		
12	Authorized letter for participation in tender opening		
13	Quality certificate should be enclosed		

Earnest Money Amount: \_\_\_\_\_

Demand Draft No: \_\_\_\_\_

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

Name of Bank: \_\_\_\_\_

\_\_\_\_\_  
Authorized signatory  
With seal

**PERFORMANCE BANK GUARANTEE FORMAT**

To  
The Project Manager  
Tool Room & Training Centre  
Amingaon Industrial Area  
Amingaon, Guwahati – 781031

WHEREAS \_\_\_\_\_ (name & address of the vendor) (hereinafter called “the vendor”) has undertaken, in pursuance of order no. \_\_\_\_\_ dated \_\_\_\_\_ to provide service of \_\_\_\_\_ (description of goods and services) (herein after called “the order”).

AND WHEREAS it has been stipulated by you in the said order that the vendor shall furnish you with a performance bank guarantee by a scheduled commercial bank for the sum specified therein as security for compliance with its obligations in accordance with the order.

AND WHEREAS we have agreed to give the vendor such a bank guarantee.

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the vendor upto a total of \_\_\_\_\_ (amount of guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the vendor to be in default under the order and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified herein.

We hereby waive the necessity of your demanding the said debt from the vendor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the order to be performed thereunder or any of the contract documents which may be made between you and the vendor shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

\_\_\_\_\_  
(Signature of the authorized officer of the bank)

\_\_\_\_\_  
(Name & Designation of the officer)

\_\_\_\_\_  
(Seal, Name & Address of the Bank & Address of Branch)

**BANK GUARANTEE FORMAT FOR FURNISHING EMD**

Whereas \_\_\_\_\_  
(hereinafter called the "tenderer")  
has submitted their offer dated \_\_\_\_\_  
for the supply of \_\_\_\_\_  
(hereinafter called the "tenderer")  
against the Purchaser's tender enquiry No. \_\_\_\_\_  
know all Men by these presents that We \_\_\_\_\_  
of \_\_\_\_\_  
\_\_\_\_\_ having our registered office at  
\_\_\_\_\_ are bound up to \_\_\_\_\_  
(hereinafter called the "Purchaser")  
in the sum of \_\_\_\_\_ for which  
payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns  
by these presents. Sealed with Common Seal of the said Bank this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_

The Conditions of this Obligation are:

- 1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the Period of validity of this tender.
- 2) If the tenderer having been notified of the acceptance of this tender by the Purchaser during the period of validity of this tender
  - a) If the tenderer fails to furnish the Performance Security for the due Performance of the Contract.
  - b) Fails or refuses to accept/execute the contract.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provide that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 60 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

\_\_\_\_\_  
(Signature of the authorized officer of the bank)

\_\_\_\_\_  
(Name & Designation of the officer)

\_\_\_\_\_  
(Seal, Name & Address of the Bank & Address of Branch)