

GOVERNMENT OF TAMILNADU
DEPARTMENT OF TECHNICAL EDUCATION
GOVERNMENT COLLEGE OF ENGINEERING, BARGUR -635 104

e-tender Notice No:1957/B1/MECH/2026, Dated:12.06.2026

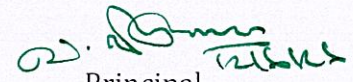
1. Online bids are invited through portal <https://tntenders.gov.in> from the bidders Re-Corrigendum **Purchase of Dual Axis Welding Positioner for Robotic Welding Applications.**
2. Bid documents can be downloaded free of cost from <https://tntenders.gov.in> from **12.06.2026 to 29.06.2026.**

3. Important dates:-

a	Last date and time for downloading and e-submission of bid documents	29.06.2026 up to 17.00 hrs.
b	Date and time of online opening of bid documents	30.06.2026 10.00 hrs. Onwards.

4. **TERMS AND CONDITIONS:-**

- 1 The rate should be quoted in BOQ format.
- 2 The present rate of GST should be quoted.
- 3 The warranty of equipments must be mentioned.
- 4 Advance payment cannot be made.
- 5 **The minimum validity of your quotation should be 90 days.**
- 6 Payment will be made within a reasonable time only after the receipt and installation of materials in good working condition in every aspect.
- 7 The Validity of your quotation, delivery period after the receipt of supply order should be clearly mentioned in the Technical Bid.
- 8 Bids in Physical form are not accepted.
- 9 Other details can be seen in the bid documents.
- 10 The Tender Inviting Authority has full authority to cancel the tender without any reason and prior intimation.


Principal

Tender Inviting Authority,
Government College of Engineering,
Bargur - 635 104.

TENDER SPECIFICATION

Quotations are invited from eligible manufacturers / authorized suppliers for the supply, installation, testing, commissioning, and training of a Dual Axis Welding Positioner with External Axis Integration suitable for 6 axis Kawasaki robotic welding setup.

Technical Specifications

Sl. No	Description	Qty
1	External Axis Integration System suitable for addition of 2 servo-controlled axes with necessary amplifier units, servo motors 1.2kW, cables (10m), connectors, interface modules, software configuration, and complete integration support compatible with existing Kawasaki robotic welding controller External Axis FOR F60 Controller Amplifier set for 2 Axis 1.2KW motor for JT7 & JT8 Service support to Axes additin in Robot	1 Set
2	Dual Axis Welding Positioner suitable for robotic welding applications with the following minimum specifications: Minimum Technical Requirements for Dual Axis Welding Positioner - Type : Dual Axis U-Frame / Headstock-Tailstock Type - Payload Capacity : Max 1000 kg - Number of Axes : 2 Servo Controlled Axes - Application : Robotic Welding - Rotation Range : Minimum $\pm 180^\circ$ - Maximum Rotation Speed : Minimum 30°/sec - Gearbox : High Precision Low Backlash Type - Backlash : ≤ 1 Arcmin preferred - Workpiece Capacity : Suitable for components up to 500 × 500 × 500 mm - Workpiece Mounting : 800mm dia and 16mm thick Plasma Nitride Modular welding fixture along with 4nos of fast clamp and 4nos of ball lock - Servo Compatibility : Compatible with robotic welding controller - Welding Isolation : Required - Structure : Heavy duty fabricated structure • For Servo Motor: Kawasaki 1.2 kW - Compatible for Both Axis - Safety : Emergency stop and necessary safety provisions shall be provided - Accessories : All necessary electrical, mechanical, mounting, and integration accessories shall be included - Color Code - RAL 7035	1 No

Scope of Supply

The scope shall include:

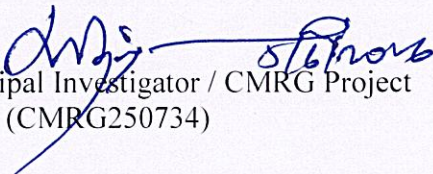
- Supply of equipment
- Installation and commissioning
- Integration with existing Kawasaki Six axis robotic welding setup
- Testing and demonstration
- Operator training
- User manuals and technical documentation
- Minimum one-year warranty support

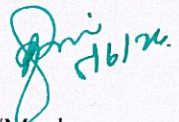
General Terms & Conditions

1. The quoted system shall be suitable for continuous industrial robotic welding operation.
2. The supplier shall provide complete technical support for installation and integration.
3. Any deviation from the specifications shall be clearly indicated in the quotation.
4. Transportation, installation, and applicable taxes shall be mentioned separately.
5. The institution reserves the right to accept or reject any quotation without assigning any reason.

Delivery Location

Department of Mechanical Engineering
Government College of Engineering Bargur
Tamil Nadu – 635104


Principal Investigator / CMRG Project
(CMRG250734)


HOD/Mech



Government of Tamil Nadu
Department of Higher Education
Directorate of Technical Education (DoTE)
Chief Minister's Research Grant (CMRG)
 53, Sardar Patel Road, DoTE Campus, Guindy, Chennai-25

Phone: (+91) 44 2235 1018

Web : <https://dte.tn.gov.in/chief-ministers-research-grant-cmrq>

E-mail : cmrg.dote@tn.gov.in

CMRG Project - Terms & Conditions (2025-26 onwards)

Principal Investigator (PI): Faculty-led Project

- ❖ PI shall be working in TN State Government Higher Education Institutions (HEIs).
- ❖ PI shall be below 55 years of age as on 1st April of the proposal submission year; the PI should have at least five (5) clear years left prior to retirement as per the norms of the concerned HEI.
- ❖ PI shall handle only one ongoing CMRG project at a time. After the completion of the ongoing CMRG project only, the PI can submit another proposal.
- ❖ Only one Co-PI may be included (if needed). Co-PI shall be from TN State Government HEI only.
- ❖ Collaborator may be from a reputed HEI / R&D Lab / Industry or similar.
- ❖ PI can't act as Co-PI in more than two ongoing CMRG projects.

Principal Investigator (PI): Student-led Project

- ❖ As on 1st April of the proposal submission year; the UG / PG student as PI should have at least one (1) full clear year left prior to completion of their programme of study.
- ❖ As on 1st April of the proposal submission year; the PhD student as PI should have at least two (2) full clear years left prior to completion of their Research programme of study / Submission of Thesis.
- ❖ PI shall be a regular **UG student** pursuing 4-year Professional Academic Programme (domains in Engineering / Technology / Agriculture / Medicine / Veterinary / Law / Fisheries / Music etc) or 5-year Integrated programme in TN State Government Higher Education Institutions (HEIs).
- ❖ PI shall be a regular **PG student** pursuing Master programme in any domain (Arts & Science / Engineering / Technology / Agriculture / Medicine / Veterinary / Law / Fisheries / Music / Sports etc) in TN State Government Higher Education Institutions (HEIs).
- ❖ PI shall be a **Full-Time Ph.D. research scholar** in any domain (Arts & Science / Engineering / Technology / Agriculture / Medicine / Veterinary / Law / Fisheries / Music / Sports) in TN State Government Higher Education Institutions (HEIs).
- ❖ In all Student-led project, the student as PI **must put one Co-PI**, who shall be a permanent faculty working in TN State Government University / College in Tamil Nadu.

Roles of Principal Investigator (PI), Co-PI and Implementing Institution (HEI)

- ❖ PI has the primary responsibility for the implementation of the project.
- ❖ PI is responsible for overall co-ordination and submission of all project information.
- ❖ Co-PI has to assist PI in running the project; no separate budget provisions can be made for Co-PI.
- ❖ PI and HEI have the responsibility of informing CMRG about any change in the status of the PI / Co-PI including relieving them on deputation for a continuous period of three (3) months or more.
- ❖ If the PI leaves the project due to unforeseen circumstances, the Co-PI (from TN Government HEI) would be allowed to continue the project (subject to the consent of PI, Co-PI, Head of the Institute, CMRG). Such request should be sent to the Project Officer at least two (2) months in advance and the PI should submit complete report of the work done so far. HEI has role to play (in consultation with CMRG) to take steps / ensure successful completion of the project, before relieving the PI.
- ❖ The project stands terminated in the absence of the PI / Co-PI for a continuous period of three (3) months without intimation to CMRG.
- ❖ The HEI should provide full infrastructural facilities such as workspace, water, electricity, communication etc. for smooth implementation of the project.
- ❖ PI shall not be allowed to change the scope and methodology of the project without prior permission from CMRG.
- ❖ If the PI does not complete the project to the satisfaction or abandons the project without any valid reasons, the PI shall be liable to return the entire project amount paid so far.

- ❖ In the case of multi-institutional collaborative project, the PI should obtain formal agreement from the collaborating institution / industry.
- ❖ Transfer of project from one PI to another PI will not be allowed. Such requests shall be considered only in exceptional cases with proper approval from CMRG.
- ❖ No part of the grant will be transferred from HEI to another society / institute / body, except in cases where such transfer of fund has prior approval from CMRG within the scope of the sanctioned proposal.
- ❖ CMRG at its discretion shall have the right of access to the books and accounts of the HEI for the grants received.
- ❖ At any point of time, if it is found that the information provided in the proposal is false or incorrect, the CMRG will be at liberty to withdraw the grant sanctioned to the HEI and it shall be liable to refund the entire amount of the grant with interest thereon and also liable for any other action that CMRG may deem it fit. The CMRG may not consider future proposals from such HEI.
- ❖ HEI, which availed the grant, shall observe all financial norms and guidelines as prescribed by the Government of Tamil Nadu from time to time.
- ❖ HEI shall not entrust the implementation of the CMRG research work for which the grant is sanctioned to another HEI and divert the grant received as assistance to the latter institution.
- ❖ If the HEI fails to complete the project, the HEI has to refund the entire amount of grants received.

Over-Head / Institutional Charges

- ❖ Over-Head or Institutional charge (5% of the total project budget) is for the project implementing institute towards the cost for providing infrastructural facilities and general administrative support to run the project.

Project Sanction Order

- ❖ Upon approval of projects by the Peer Review Panel Evaluation Committee (PRPEC), sanction order with the terms and conditions annexed shall be issued to the Principal Investigator (PI) with copies to Co-Principal Investigator (Co-PI) and Head of the implementing HEI (Registrar / Principal).
- ❖ Any correspondence with the CMRG regarding the project should invariably quote the sanction order number and date.
- ❖ Sanction order provides the detailed breakup of funds allocated under non-recurring (NR) and recurring (R) expenditure and the project duration.
- ❖ Letter of Undertaking (in the format prescribed) need to be furnished by the PI in a Rs.100 value bond paper followed by legal sheet(s) signed by all (PI, Co-PI, HoD, Head of Institution) in all pages of the document.
- ❖ CMRG grant shall be utilized strictly for the purpose specified in the sanction order and should be used only for the sanctioned project alone.
- ❖ Re-appropriation of funds from one head to another head is strictly not permitted.
- ❖ The name / list of equipment decided by the experts during the evaluation is final and no change is permitted subsequently.
- ❖ Once the project is sanctioned, any request for additional grant shall not be considered by CMRG.

Release of Grants & Utilization

- ❖ HEI assumes financial and other administrative responsibilities of the project.
- ❖ HEI should authenticate two members (one Maker and one Checker) for the operation of CMRG funds through Tamil Nadu Public Fund Tracking System (TNPFTS) portal.
- ❖ Maker and Checker authenticated by the HEI can access TNPFTS portal and operate the funds sanctioned.
- ❖ After the receipt of Letter of Undertaking from PI, initial fund (1st instalment) shall be credited in the CMRG-SNA account integrated with TNPFTS portal.
- ❖ For subsequent years (2nd / 3rd instalment), the funds will be released in a phased-manner after the review of the progress made as well as upon the receipt of Progress Report (PR), Utilization Certificate (UC) and audited Statement of Expenditure (SoE) submitted by the PI annually.
- ❖ Any expenditure incurred either prior to the issuance of the project sanction order or after the expiry of tenure of the project is not allowed for any adjustment in the grant.
- ❖ Conduct of Awareness Camp / Seminar / Workshop etc are not allowed from any part of the project fund unless recommended by the CMRG expert committee.
- ❖ Charges for maintenance of equipment is strictly not allowed in any part of the allotted fund.
- ❖ Equipment / Services recommended by the CMRG committee alone should be procured; State Government procedures should be followed.
- ❖ Equipment purchased should be labeled with CMRG Project Number.
- ❖ Separate asset register should be maintained for CMRG project in the PI's Department / Workplace for both recurring and non-recurring items.
- ❖ List of assets procured from CMRG fund should be submitted every year.

- ❖ All the assets acquired from the grant will be the property of CMRG. Without prior sanction from CMRG, such assets should not be disposed off / encumbered / utilized for purpose other than those for which the grant is sanctioned.
- ❖ The Comptroller and Auditor General of India at their discretion shall have the right of access to the books of accounts of the HEI in respect of the grant received from CMRG.
- ❖ The HEI must maintain separate record of expenditure and audited accounts for the project.

Standard Operating Procedure (SOP)

- ❖ The project becomes operative with effect from the date on which sanction order is released.
- ❖ Manpower engagement / procurement of equipment / service required for the project must be initiated immediately after the receipt of Sanction order / Fund.
- ❖ The project must be completed within the specified period mentioned in the sanction order.
- ❖ An activity register needs to be maintained for listing the date and respective activity.
- ❖ It is mandatory for the PI to submit progress report every three months from the date of start of the project till closure.
- ❖ An Expert Committee will review the performance / progress of the project.
- ❖ From the project start date till the end of every year, Progress Report (PR), Audited Utilization Certificate (UC) and Statement of Expenditure (SoE) shall be submitted by PI (both soft & hard copy).
- ❖ Progress Report should reflect the actual progress as per the original proposal submitted to CMRG.
- ❖ In the absence of any of the documents (PR, Utilization Certificate, SoE), no review of the project shall be initiated.
- ❖ PI should get prior permission from the Project officer if more time is required to submit the documents.
- ❖ If the progress report and other documents are not received as per the deadline, the Chairperson of the Screening Committee shall carry out an enquiry and decide the scope either to continuance or to closure of the project. Upon closure, the PI should refund the fund allotted; necessary modification in the sanctioned order to be incorporated.
- ❖ Signed hard copies of the progress report should be submitted to CMRG.
- ❖ CMRG unit may organize meetings with experts to evaluate the project progress and for subsequent release of grant; the PI should attend the meeting(s) as and when the CMRG invites.
- ❖ Expert(s) appointed by the CMRG may visit the HEI at any time to monitor the project and verify the equipment purchased / facility created out of CMRG grant. The HEI should extend all facilities required for the visiting expert(s).
- ❖ Final project report is to be submitted within one month from the date of completion of the project.
- ❖ Without submitting the project closure certificate, the PI shall not be considered eligible to submit next project proposal for funding.
- ❖ Upon completion of the project, the PI should submit the documents such as (i) Final Report, (ii) Translational Outcomes (Patent / Product / Prototype / Industry Application / Socio-Economic Impact / Quality Publications / Results that help the society of our State or Industry), (iii) Utilization certificate, (iv) Statement of Expenditure, (v) Details of assistantship, (vi) Details of assets acquired.
- ❖ In case of any violation against the terms and conditions of CMRG project, the project may be terminated and the PI should refund the project fund released so far (with accrued interest, if any).
- ❖ In case of any negligence by the PI / Co-PI / HoD / HEI leading to closure of the ongoing project midway, the project fund released so far will be recovered (with accrued interest, if any). In case of defalcation or any such misdemeanor, criminal action may be initiated, if need arises. In such cases, the HEI may be blacklisted and debarred from any further funding support from CMRG. The fact of blacklisting shall also be communicated to all organizations / agencies that support R&D proposals.
- ❖ If any discrepancies found in the procedure / bills, the PI and the HEI are solely accountable, and the fund allotted (with accrued interest if any) may be recovered from the PI through HEI.
- ❖ If it is convinced, CMRG reserves the right to terminate the support to the project at any stage in the event of the project that is not initiated / funds not utilized properly / financial irregularity / no progress made / deviation from approved plan.

Ethical Clearance

- ❖ For projects involving trial on humans or animals, institutional ethical clearance(s) must be submitted within six months from the approval of the project and abide by extant Acts and Law.
- ❖ CMRG shall not be responsible for any legal complications arising out of non-compliance of the ethical clearance by HEI.

Engagement of Manpower (Project Assistant)

- ❖ In the Faculty-led project, for engagement of Project Assistant, the HEI shall publish an advertisement in the HEI website or dailies and a duly constituted selection committee should select the Project Assistant;
- ❖ In the Student-led project, the student as PI shall claim the Manpower Assistantship of Rs.25000 per month.
- ❖ The prescribed and relevant minimum qualification(s) for selection of Project Assistant should be (i) PG degree in Arts & Science domain, and (ii) UG / PG Professional Course degree or equivalent in Engineering / Technology / Medical / Veterinary etc.

- ❖ Qualification, Experience, etc. details of the Project Assistant selected needs to be kept by the HEI and informed to CMRG.
- ❖ Project Assistant engaged for the project shall be paid assistantship (consolidated amount of Rs.25,000/- per month).
- ❖ Engagement of Project Assistant in CMRG project is purely contractual / temporary and only for the project, and will cease automatically as soon as the project is completed / terminated.
- ❖ Project Assistant, PI and Head of Institute should ensure that the Project Assistant's commitment and dedication remain solely with CMRG project.
- ❖ PI and Head of the institute should ensure that the Project Assistant selected should not get any other fellowship / assistantship from any other funding agency during the project period.
- ❖ The details of Project Assistant employed (copy of advertisement, procedure adopted, minutes of the selection committee, attendance register, bank account, payment details) need to be kept by the HEI.

Procurement of Equipment / Software

- ❖ Procurement of common equipment like desktop / laptop / printer / UPS / external hard disk / scanner / refrigerator items are not permitted from any part of the project fund. For the need as special case (on justification by PI), recommendation of the CMRG expert committee is compulsory.
- ❖ For prototype development / product fabrication / demonstration etc, non-recurring head amount shall be used.
- ❖ Lab equipment and machine purchases made from CMRG fund shall be used in PI's HEI concerned only and shall be recorded in the HEI's asset registers accordingly.
- ❖ TN State Government procedures should be followed for procuring Equipment / Software / Consumable / Services.
- ❖ Equipment / services recommended by CMRG expert committee alone should be procured.
- ❖ To procure the approved equipment, the HEI should take immediate steps after the receipt of sanction order / receipt of fund and as per the norms of the Government of Tamil Nadu.
- ❖ The PI shall permit the use of spare or idle capacities of equipment procured under the project to bonafide users (research workers in other CMRG funded projects).

Travel

- ❖ Travel amount is permissible for field work / survey / attend meetings with regard to CMRG project only.
- ❖ Travel amount can't be used for attending / paper presenting in Seminar / Conference etc organized outside CMRG.
- ❖ National / International air travel is not permitted from the project fund.

Contingency

- ❖ Contingency amount can be utilized for the purposes related to the sanctioned project (sample analysis / testing charges / purchase of stationery items / advertisement of Project Assistant / acquisition of books and documents relevance to research topic, which are not available in the library / preparation and printing expenses of project reports).
- ❖ Books acquired would become the property of the HEI library and after the purchase, accession may be issued to the Department / Investigator till they need.
- ❖ Contingency amount shall not be utilized for purchase of furniture / office equipment / labour wages.

Consumables

- ❖ To be used as required for research work alone.

Translational Outcomes (Patent / Product / Socio-Economic impact etc)

- ❖ CMRG encourages Patenting / Technology Transfer / Commercialization as outcome of the projects sanctioned. Such Patent / Technology Transfer / Commercialization outcome should be intimated to CMRG; get the terms / agreements / MoU for filing IPR, ownership and licensing issues.
- ❖ Each of the outcome / deliverable must acknowledge the grant received from CMRG.
- ❖ Investigators are encouraged to publish Technical / Scientific papers in peer reviewed Quality Indexed Journals based on the research work done under the project and should acknowledge the assistance received from CMRG.
- ❖ Investigators should not enter into collaboration with a foreign party (individual / industry) without prior approval of CMRG.
- ❖ If the results of research are to be legally protected, the results should not be published without action being taken to secure legal protection for the research results.
- ❖ Any violation of the rules in respect of IPR, Publication matter, Technology Transfer etc. while connecting CMRG a legal partner, shall be considered as serious offence and will invite suitable action.
- ❖ Sale proceeds, if any, as a result of the development of the project arising directly from funds granted under the CMRG shall be remitted to the CMRG. The CMRG may at its discretion, allow portion of such receipts to be retained by the HEI.
- ❖ Know-how generated from the project would be the property of the CMRG and any receipts by way of sale of know-how, royalty etc. shall accrue to the CMRG. The CMRG may at its discretion to allow a portion of such receipts to be retained by the HEI.

ANNEXURE - II

TERMS AND CONDITIONS

(e-tender Notice No. Gce/Bargur/1957/B1/MECH/2026, Dated 12-06-2026)

- The Bidders interested in participating the e-Tender must be registered with Tamil Nadu Government e-Procurement system portal and also should have Digital Signature Certificate.
- The bidders should have the PAN Card, GST number.
- The bidders should upload the scanned copy of Authorization letter/Manufacturing License/ Dealership Certificate / Certificate from Original Equipment Manufacturer (OEM) duly signed and stamped valid up to date for the materials / item / equipment in Technical bid cover.
- Terms and conditions duly signed scanned and submitted in PDF format and converted to ZIP format by the tenders.
- The interested Bidders should submit the tender in two bids system through online (www.tntenders.gov.in) in prescribed in.pdf format.
 - (i) Technical Bid shall be submitted ONLINE along with self-attested scanned copies of necessary documents in pdf format.
 - (a) Technical Specifications/drawings/printed leaflets and literature of the materials/ item / equipment for which rates are quoted in Financial Bid.
 - (b) A letter of acceptance of the Tender Conditions.
 - (c) Brochures and supporting Documents etc.
 - (ii) Financial Bid
 - a) In.xls format only (Excel format).
 - b) Rate & Tax per unit should be mentioned separately.
 - c) Rates quoted by Bidders should be firm & final.
 - d) Prices should be quoted only in Indian Rupees (INR).
 - e) Price should be inclusive of all Freight, Insurance, Packing, Loading &Unloading, Delivery charges etc.
- Only bids received on Tamilnadu e-procurement portal will be considered for opening. Bids in any physical form sent through fax /email/courier/post/delivered personally will not be considered.
- Bidders should have local office in Tamil nadu and Bidders must not be blacklisted by Government of Tamil Nadu.
- The percentage of GST should be clearly indicated (i.e. included or excluded) wherever chargeable.
- The name of the manufacturer and country of manufacture should also invariably be state if applicable. In the absence of particulars, the quotation is liable for rejection.
- The Delivery of the items should be done at Government College of Engineering, Bargur. Conditional tenders will be summarily rejected.

- The Delivery period should be specifically stated. Earlier delivery will be preferred.
- No advance Payment will be made.
- Mode of Payment will be through ECS to supplier's bank account after the goods are received in good working condition in every aspect.
- The validity of your quotation should not be less than 90 days.
- The Successful bidder should submit the undertaking form / performance guarantee / Agreement form as required by Government College of Engineering, Bargur.
- The bidder should have complete demonstration of the equipment and provide adequate training to the nominated persons if applicable.
- The online bids shall be opened at the office of the Principal, Government College of Engineering, Bargur, on above given date and time. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place.
- This College will not be held responsible for any sort of delay or difficulty faced in the submission of bids online by the bidders.
- For any corrigendum and addendum, please be checked the website.
- Disputes, if any, shall be subject to jurisdiction in the court of Krishnagiri
- As Per Tamil Nadu Tender Transparency Act 1998 and Tamil Nadu Transparency in Tender Rules 2000:-
- The Principal / Tender Inviting Authority, Government College of Engineering, Bargur - 635 104 reserves the right to modify, reduce and increase the quantity required and withhold any amount for the deficiency in service aspect of the ordered items.
- The Principal / Tender Inviting Authority, Government College of Engineering, Bargur - 635104 reserves the right, not to accept lowest price or to reject any or all the tenders without assigning any reasons.
- The Principal / Tender Inviting Authority, Government College of Engineering, Bargur - 635104 has full authority to cancel the tender without any reason and prior intimation.



Principal

Tender Inviting Authority,
Government College of Engineering,
Bargur - 635 104.