INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING KURNOOL
Jagannathagattu, Kurnool-518008.

Date: 30-10-2026

Sub: Invitation for quotation for procurement of **Robot Arms ≥12 Kg Payload & ≥1400 mm Reach. With Controller** - Reg.

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Indian Institute of Information Technology Design and Manufacturing, Kurnool, invites bids for the procurement of "Two nos. of Industrial Robotic Arms ≥12 Kg Payload & ≥1400 mm Reach with Controller: (1) Robot 1: Suitable for grinding and polishing, (2) Robot 2: Suitable for wire arc additive manufacturing".

A. Quotation submission procedure:

The bid is to be submitted as a soft copy via email in PDF-protected format to the following email ID: hod_me@iiitk.ac.in.

No manual document will be accepted. All documents should be submitted by email as a password-protected PDF File. The subject of the mail should be "Bids for procurement of Industrial Robotic Arm minimum 12 Kg Payload & minimum 1400 mm Reach with Controller". The covering mail should include the bidder's contact details, i.e., the bidder's mobile number. The password will have to be revealed only upon communication from the IIITDM mail (hod_me@iiitk.ac.in) on the date & time of the bid opening. The mail will be sent by **03rd November 2026 @ 11:30 am** for the password at the time of bid opening. The bids shall be opened on **03rd November 2026** at 12:30 pm in the Central Workshop. Interested bidders may attend the bid opening. The bids will be opened and evaluated by the Committee appointed by the Institute.

B. Terms and conditions:

1. The bidders need to send the Quotations by email to the above-mentioned emails.

2. The soft copy of the quote should be password-protected. The mobile number of the signatory on the quotation should be mentioned in the email; they will be contacted for the password when the quotation is opened. Passwords will not be revealed before that by the bidder.

3. Last date & time for submission of quotations is on or before **03rd November** at **11:00 am**.

4. Eligibility Criteria:
   a) Bidder shall have supplied the robotic system with same or similar specifications to at least one CFTI/National R&D organizations/Central Government Organizations, or at least to two Private Educational institutions/ industries. A copy of the Contract/P.O. shall be submitted as proof.
   b) Bidder shall submit a copy of the self-attested GST Registration certificate.
   c) Compliance of the Technical Specifications and terms & conditions: A self-declaration on the letterhead of the bidder stating that they comply with all the required technical specifications and the terms & conditions.
   d) Bidders shall have OEM Authorization, and a self-attested copy is to be attached.
   e) Compliance of GFR Rule 144 (xi): The bidder shall not be from a country sharing a land border with India, and if the bidder is from a country sharing a land border with India, the bidder should have been registered with the competent authority as per orders of DIPP OM No. F. No. 6/18/2019-PPD dated 23rd July 2020, and MoCI Order No. P-45021/112/2020-PP (BE II) (E-43780) dated 24th August 2020 and subsequent amendments/orders. A declaration shall be submitted with the bid as per the format given in Annexure–1.
   f) Compliance of Make in India Policy: A certificate from the OEM to be submitted along with the bid regarding the percentage of the local content and the details of locations at which the local value addition is made as per the format given in Annexure-2.

C. Additional Terms and Conditions:

a. Scope: **Supply and Installation**
b. **Warranty: 1 Year**
c. Offer validity:
d. Material to be delivered within **60** days from the day of issue of P.O. LD charges@1% per week or part thereof for delay in supply shall be applicable when the Delivery Period extension is given.
e. Prices shall be inclusive of all taxes & charges for IIITDM Kurnool.
f. Original GST Invoice duly signed and stamped is to be submitted.
g. Payment will be made **within 30 days** from the date of final acceptance of the material.
h. For evaluation of offers, **a total-wise comparison** will be carried out.
i. Bidders shall submit their quote considering the scope and all the terms & conditions; additional charges of any kind will not be paid.
j. This bid is also governed by the latest GTC issued by GeM.

D. Technical Specifications in Annexure-A
E. Format of Quotation: Bidders shall submit a quotation as per given format in Annexure – 3.

TECHNICAL SPECIFICATIONS FOR INDUSTRIAL ROBOTIC ARM 12 Kg PAYLOAD & 1400 MM REACH WITH CONTROLLER

1. Scope of Supply and Quantity:

The Vendor shall supply, install, test **two (02) numbers** of **six (06)-axis industrial robotic arm systems** suitable for **academic research and experimental applications**, including but not limited to **machining, additive manufacturing (WAAM or similar processes up to the specified payload), surface finishing, and material handling**.

Each robotic arm shall have a **minimum payload capacity of 12 kg** and a **minimum reach of 1400 mm, being suitable for the following applications**:

1. Robotic Arm 1: should be suitable for grinding and polishing operation
2. Robotic Arm 2: should be suitable for wire arc additive manufacturing

The supplied systems shall include **all required hardware, software, standard accessories, safety components, and complete technical documentation** necessary for full functional operation.

2. Performance and Mechanical Requirements

- **Repeatability: ±0.05 mm or better**
- **Degrees of Freedom:** Six (06) independently controlled axes.
- **Mounting:** Floor-mountable (as supported by the OEM).

3. **Controller and Programming**

- **Controller:** OEM-supplied controller with **research-friendly interfaces**, supporting offline and online programming, I/O interfacing, and integration with external devices and sensors for academic experimentation.
- **Condition:** The robotic systems shall be **new, unused, and of the current production model**, and shall not be refurbished, reconditioned, or discontinued at the time of supply.

4. Technical Specifications

Robot 1:

S.No.	Description
1	6BK, RI/O=8/8, AIR
2	J1 axis 340 deg rotation (with stopper)
3	Scribe mark
4	Eye bolt
5	Basic 3 phase
6	Main board C (With Vision and Force sensor I/F and PMC and Safty I/O I/F and HDI, I/O Link i slave)
7	CPU card (DRAM 1GB, I/O Link i slave)
8	Axes control card 6 axes (Standard)
9	FROM128MB/SRAM2MB
10	iPendant/ Dual/ Material handling
11	Operator's Panel English/ 3 mode/ without TP disconnect
12	Teach pendant cable for iPendant 10m
13	Main Breaker (20A, 3 phase, Basic/CE)
14	Robot connection cable Non-flex 7m/STD
15	With USB connector
16	Tool for terminal block
17	Spare fuse (Main board, Servo Amp)
18	Spare fuse (E-stop unit)
19	Basic Software (Series 7DF5/V9.40P for Mate or better)

20	Basic Dictionary (English)
21	LR Handling Tool
22	Standard Setting
23	Robot software
24	Digital Servo Function
25	EtherNet/IP I/O SCAN
26	ASCII Program Loader
27	Input power voltage 200-230V
28	Program Sequencer

Robot 2:

S.No.	Description
1	6BK, RI/O=1/1, AIR
2	J1 axis 340 deg rotation (with stopper)
3	Scribe mark
4	Eye bolt
5	J1 cover
6	J2 cover
7	High Speed Torch Recovery Jig (Compact type)
8	Basic 3phase
9	Main board C (With Vision and Force sensor I/F and PMC and Safty I/O I/F and HDI, I/O Link i slave)
10	CPU card (DRAM 1GB, I/O Link i slave)
11	Axes control card 6 axes (Standard)
12	FROM128MB/SRAM3MB
13	iPendant/ Dual/ ARC welding
14	Operator's Panel English/ 3 mode/ without TP disconnect
15	Teach pendant cable for iPendant 10m
16	Main Breaker (20A, 3 phase, Basic/CE)
17	Robot connection cable Non-flex 7m/STD
18	With USB connector
19	Tool for terminal block
20	Spare fuse (Main board, Servo Amp)
21	Spare fuse (E-stop unit)
22	Basic Software (Series 7DF5/V9.40P for Mate or better)
23	Basic Dictionary (English)
24	LR Arc Tool
25	Standard Setting
26	Robot software
27	Digital Servo Function
28	ARC easy smart quick recovery
29	EtherNet/IP I/O SCAN
30	Miller Weld Eq Lib
31	ASCII Program Loader
32	Input power voltage 200-230V
33	ARC WELD EQUIPMENT SETUP TOOL
34	Program Sequencer

5. Installation:

The supplier shall provide complete installation and testing of the robotic system at the user site, including calibration and trial runs.

The supplier shall provide on-site training for faculty, researchers, and technical staff.

6. Documentation:
User manuals, programming manuals, electrical drawings, maintenance manuals, and safety guidelines shall be provided.

7. Compliance:
The system shall comply with relevant international safety and quality standards.

Annexure – 1

(To be given on the letterhead of the bidder)

No._____ Dated: _____

CERTIFICATE

(Bidders from India)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that Our Company/I am not from such a country.

OR *(whichever is applicable)*

(Bidders from a Country which shares a land border with India)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I from _____ (Name of Country) and the Company has been registered with the Competent Authority. I also certify that I fulfil all the requirements in this regard and is eligible to be considered. *(Copy/ evidence of valid registration by the Competent Authority is to be attached)*

Place: Signature of the Tenderer
Date: Name & Address of the Tenderer with Office
Stamp

Annexure – 2

FORMAT FOR AFFIDAVIT OF SELF-CERTIFICATION UNDER PREFERENCE TO MAKE IN INDIA

This letter should be on the letterhead of the OEM and should be signed by a competent authority. Non-submission of this will lead to Disqualification of bids.

Tender Reference Number:

Name of the item / service:

Date: _____

I/We_____S/o, D/o, W/o, _____ Resident of

Hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Policy vide GoI Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019and 04.06.2020) MOCI order No. 45021/2/2017-PP (BE II) Dt.16th September 2020 & P-45021/102/2019-BE-II-Part (1) (E-50310) Dt. 4th March 2021 and any subsequent modifications/Amendments, if any and

That the local content for all inputs which constitute the said item/service/work has been verified by me and I am responsible for the correctness of the claims made therein.

Tick (✓) and Fill the Appropriate Category	
	I/We_____[name of the manufacturer] hereby confirm in respect of quoted items thatLocal Content is equal to or more than 50% and come under **"Class-I Local Supplier"** category.
	I/We_____[name of the manufacturer] hereby confirm in respect of quoted items that Local Content is equal to 20% but less than 50% and come under **"Class-II Local Supplier"** category.
	I/We _____ [name of the manufacturer] hereby confirm in respect of quoted items that Local Content is less than 20% come under **'Non – Local Supplier'** category

- The details of the location (s) at which the local value addition is made and the proportionate value of local content in percentage

Address _____ Percentage of Local content: _____%

_____

For and on behalf of..... (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)
<Insert Name, Designation and Contact No.>

Note: In case of procurement for a value in excess of Rs. 10 Crores, the bidders shall provide this certificate fromstatutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

Annexure – 3

Quotation format

(ON letterhead of vendor)

Name of the Vendor:

GST No.:

Address:

Contact No.

Email ID:

SI. No.	Description of the required items with specifications	Product Quoted (Make and Model along with specifications)*	Quantity	Unit Price inclusive of GST	GST %	Total Inclusive of GST
1.	Robot Arm 12 Kg Payload & 1400 mm Reach. With Controller (As per the specifications mentioned in Annexure-1)		2			
					Total Price (In figures):	
Total Price (In words)						

* Attach a separate sheet, if required

Sign & Stamp of vendor