

Proc/AIC-EMPI/2024/04

Dated: 28-10-2024

Call for Limited Tender

Call for Quotation for the supply of Welding Robot for Advanced Fab Lab at AIC-EMPI Incubation Foundation.

- i. Quotation is invited by Atal Incubation Centre-EMPI Incubation Foundation (AIC-EMPI) from all intending suppliers(s) for the supply of Welding Robot at AIC-EMPI Incubation Foundation.
- ii. The Technical specifications of the items are furnished in Annexure – 3
- iii. Bidders should submit the Proforma as given in Annexure-1 and the Quotation as per the format given in Annexure-2.
- iv. All the Quotations should be addressed to

AIC-EMPI Incubation Foundation
EMPI Business School
CSKM Educational Complex, Satbari
Chhatarpur, New Delhi-110074
- v. All the quotations shall be signed and sealed by the competent authority of the supplier in the official letter head.
- vi. All the quotations shall be Emailed to aic-empi@empi.ac.in
- vii. All the quotations shall be sent along with the data sheets of the equipment with make and specifications.
- viii. The Bid Documents should be reached on or before **01-11-2024** by **05.00 P.M.**

Important Dates

S. No.	Particulars	Date	Time
1	Publishing Date	28-10-2024	11.00 AM
2	Tender Closing Date	01-11-2024	05.00 PM
3	Opening of Financial Bids	02-11-2024	11.00 AM



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**Chief Executive Officer
AIC-EMPI**

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AIC-EMPI INCUBATION FOUNDATION

EMPI Institutions, Satbari, Chattarpur, New Delhi - 110074

★ E-mail: aic-empi@empi.ac.in ★ Website: www.aic-empi.org

Terms and Conditions

1. Minimum 1 year of warranty cover for all the items.
2. The rate quoted should be preferably inclusive all taxes / duties. Otherwise the amount of taxes / duties should be mentioned separately, duly specifying the nature of tax / duty with the rate there of.
3. The supply should be for AIC-EMPI Incubation Foundation, Chhatarpur, New Delhi-110074
4. You are responsible for the safe delivered of the stores at our organization.
5. No Insurance Charges will be payable by this organization.
6. All communication should be addressed to the Chief Executive Officer by designation and not by name.
7. Payment will be made by PFMS after the receipt of good in good condition and the bills with pre-receipted and stamped receipts.
8. Under no circumstances should the items be sent under freight to pay.
9. Goods not received in good condition and not according to specifications will be rejected outright.
10. Manufacturers/Suppliers name their trade mark and brand etc., should be mentioned in the bill.
11. Delivery period should be mentioned.
12. Quotation received after the due date shall be rejected and will not be considered.



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Annexure – 1

(To be Printed in Supplier Letter Head)

Proforma of Bidder

1	Company Name	
2	Date of Incorporation	
3	Full Address with Pin Code	
4	GST	
5	PAN	
6	Email Address	
7	Mobile Number	
8	Website Address	
9	Name of the Authorized Signatory	
10	Experience in Years Supplying similar Items mentioned in Annexure-2	



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Annexure – 2

(The bidders are requested to quote the price in the format given below in Supplier Letter Head)

S. No.	Description of Items	Unit Price in INR (A)	Number of Units (B)	Total Price C=AxB	GST INR (D)	Total Price Including Tax (C+D)

Delivery Period: _____

Declaration:

We accept all the terms and conditions as mentioned in tender notice. The above rates should be inclusive of all i.e. taxes, packing, delivery transportation, installation etc.

Place: _____ Name: _____

Date: _____ Designation: _____



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_____)
Authorized Signature
With Seal

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Annexure – 3

S. No.	Product	Quantity
1	Welding Robot	1

Technical Specifications of Welding Robot

DESCRIPTION	SPECIFICATIONS
Controlled Axis	6 (Vertically articulated)
Payload	7-12 kg
Repeatability	±0.02 mm - ±0.08 mm
Range of Motion	S-axis (turning) – (-170° - +170°)
	L-axis (lower arm) - (-65° - +145°) to (-90° - +155°)
	U-axis (upper arm) - (-70° - +190°) to (-85° - +150°)
	R-axis (wrist roll) - (-190° - +190°) to (-200° - +200°)
	B-axis (wrist pitch/yaw) - (-135° - +135°) to (-150° - +150°)
	T-axis (wrist twist) - (-360° - +360°) to (-455° - +455°)
Maximum Speed	S-axis (turning) – (4.53 rad/s, 260°/s) to (7.94 rad/s, 455°/s)
	L-axis (lower arm) - (4.01 rad/s, 230°/s) to (6.72 rad/s, 385°/s)
	U-axis (upper arm) - (4.53 rad/s, 260°/s) to (9.07 rad/s, 520°/s)
	R-axis (wrist roll) - (8.20 rad/s, 470°/s) to (9.59 rad/s, 550°/s)
	B-axis (wrist pitch/yaw) - (8.20 rad/s, 470°/s) to (9.59 rad/s, 550°/s)
	T-axis (wrist twist) - (12.2 rad/s, 700°/s) to (17.45 rad/s, 1000°/s)
Allowable Moment	R-axis (wrist roll) – 12.5 N.m - 22 N.m
	B-axis (wrist pitch/yaw) – 12.5 N.m - 22 N.m
	T-axis (wrist twist) – 6.0 N.m – 10 N.m
Allowable Inertia (GD2/4)	R-axis (wrist roll) – 0.40 kg.m ² - 0.65 kg.m ²
	B-axis (wrist pitch/yaw) – 0.40 kg.m ² - 0.65 kg.m ²
	T-axis (wrist twist) – 0.2 kg.m ² - 0.17 kg.m ²
Approx. Mass	32 kg – 190 kg
Ambient Conditions	Temperature - 0°C to ±45°C
	Humidity - 20% to 80% RH (non-condensing)
	Vibration - 4.9 m/s ² (0.5 G) or less
	Altitude - 1000 m or less
	Others – Free from corrosive gas or liquid, or explosive gas or liquid Free from exposure to water, oil, or dust Free from excessive electrical noise (plasma) Free from strong magnetic fields
Power Requirements	1 - 1.5 kVA
Mounting	Floor, ceiling, wall, tilt

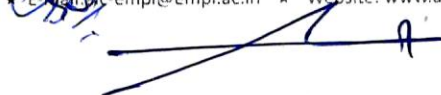


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* Email: empinc@empinc.ac.in * Website: www.aic-empinc.org



Welding Power Source	350 Amps
Wire Feeder	
Wire Feeder Mounting Base	
Shock Sensor Cable	
Welding Torch	
Welding Interface Cable	5m
Wire Feeder Cable	5m
Conduit Cable	3m
Power Cable (+ Side)	5m
Power Cable (-Side)	5m
Shock Sensor	
Torch Cable	
Gas Hose	

1. The Vendor shall do the entire Installation, demonstration, relevant software's and Trainings of Machine Operation.
2. Vendor shall be responsible to perform the Quality check for the Equipment.
3. Vendor shall provide all the basic Accessories necessary with respect to the equipment.



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