

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
ISRO PROPULSION COMPLEX (IPRC)
MAHENDRAGIRI**

**Tender for Supply installation, commissioning, inspection, testing of
full fledged submersible five axes CNC Wire EDM with all standard
accessories**

Bids to be submitted online

Tender No.: IPRC/PURGP2/IP202200047001 dated 16-06-2022

A. Tender Details

Tender No :	IPRC/PURGP2/IP202200047001
Tender Date :	16-06-2022
Tender Classification:	GOODS
Purchase Entity :	PURGP2
Centre :	ISRO PROPULSION COMPLEX (IPRC)

Supply installation, commissioning, inspection, testing of full fledged submersible five axes CNC Wire EDM with all standard accessories

1.This is a TWO-PART tender i.e. Techno-Commercial Bid (Part-I) and Price Bid (Part-II) shall be submitted separately. All technical and commercial terms and conditions shall be furnished in the Techno Commercial Bid while price shall be indicated only in the Price Bid.

2.Kindly read all the instructions before quoting.

3.Foreign vendors are not permitted to quote.

4.Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid.

e.The percentage of local content should be specifically mentioned in the offer, without which it will be summarily rejected.

f.Preference will be given to Class-I Local Supplier and in their absence, Class-II Local Supplier will be considered.

5.Last minute clarification on tenders will not be entertained.

6.This is an E-Tender. Hence Postal/Fax/Email tenders will not be accepted.

7.Acceptance of Guarantee / Warranty, PBG, SD & LD are mandatory. Quotations not accepting these conditions will not be considered.

THIS IS A PUBLIC TWO PART TENDER. PART I: TECHNICAL BID AND PART II- COMERCIAL BID. TECHNICAL BID PART IS FOR ALL TECHNICAL DETAILS . COMMERCIAL BID SHOULD CONTAIN ALL PRICE DETAILS.PRICE RELATED DOCUMENT SHOULD BE UPLOADED IN HEADER . SUPPORTING DOCUMENTS FROM VENDOR (PRICE DETAILS) .IF PRICE RELATED INFORMATION IS MENTIONED ANYWHERE OTHER THAN HEADER. PRICE BID AND SUPPORTING DOCUMENTS FROM VENDOR (PRICE DETAILS), YOUR OFFER IS LIKELY TO GET REJECTED.PRICE BID WILL BE OPENED ONLY AFTER TECHNICAL BID EVALUATION ON A LATER DATE.

A.1 Tender Schedule

Bid Submission Start Date :	21-06-2022 15:28
Bid Clarification Due Date :	29-06-2022 13:00
Bid Submission Due Date :	12-07-2022 14:00
Bid Opening Date :	12-07-2022 14:10
Price Bid Opening Date :	18-07-2022 14:00

B. Tender Attachments

Technical Write-up/Drawings

Document : Specification

Instructions To Vendors

2. STANDARD TERMS AND CONDITIONS (DOS PM:19)

1.

a. Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two systems of unit must be furnished.

2. Arbitration in the event of any dispute or difference arising under these terms & conditions or any condition contained in the Purchase Order or in connection with this Contract. (except as to any matter the decision of which is specially provided for by these conditions), the same shall be referred to the sole arbitration of the Head of the Purchase Office or of some other person appointed by him, and the dispute further processed in terms of the Arbitration & Conciliation Act, 1996. There will be no objection that the arbitrator is a Government Servant that he had to deal with matter which the Contract relates to or that in the course of his duties as Government Servant has expressed views on all or any of the matters in dispute or difference. The award of the arbitrator shall be final and binding on the parties of this Contract.

3. As per the Rule 144(xi) of General Financial Rule, 2017, any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority ie., Department for Promotion of Industry and Internal Trade (DPIIT).

Hence, Vendors or Agents of a Vendor (Indian or others) from a country sharing border with India shall submit copy of valid registration made with Department for Promotion of Industry and Internal Trade (DPIIT), Government of India along with the tender mandatorily, without which the offer will be treated as invalid.

4. b. Corrections, if any, in the quotation must be attested. All amounts shall be indicated both in

words as well as in figures. When there is difference between the amount quoted in words and figures, the amount quoted in words shall prevail.

5. GST/ other duties/levies, where legally leviable and intended to be claimed, should be distinctly shown separately in the tender.

6. Guarantee: The stores offered should be guaranteed for a minimum period of twelve months against defective stores design, operation or manufacture. For defects noticed during the guarantee period, replacement/repair should be arranged free of cost within a reasonable period of such notification. In cases where our specifications call for a guarantee period more than 12 months specifically, then such a period shall apply

7. If the arbitrator is a person appointed by the Head of the Purchase Office, In the event of his denying or neglecting or refusing to act, or resigning or being unable to act, for any reason, shall be lawful for the Head of the Purchase Office either to proceed with the reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator subject, as aforesaid, to the Arbitration and Conciliation Act, 1996, and the rules thereunder and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceeding under the clause. The Arbitrator shall have the power to extend with the consent of the Purchaser and the Contractor the time for making and publishing the award. The venue of arbitration shall be the place as the Purchaser in his absolute discretion may determine. Work under the Contract shall, if reasonably possible, continue during Arbitration Proceedings.

8. If the arbitrator is the Head of the Purchase Office :

(i) In the event of his being transferred or vacating his office by resignation or otherwise, it shall be lawful for his successor in office either to proceed with the reference himself for to appoint another person as arbitrator, or In the event of his being unwilling or unable to act for any reason, it shall be lawful for the Head of the Purchase Office to appoint another person as arbitrator

9. Late Tenders will not be considered

10. Model Certificate for Tenders:

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered

11. Packing and Forwarding: The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air, to withstand transit hazards and ensure

safe arrival at the destination. The packing and marking of packages shall be done by and at the expense to the Contractor.

12. Payment terms are full payment within 30 days from the date of receipt and acceptance of material ordered. Our Bankers are State Bank of India, Mahendragiri.

13. Quotation should be valid for at least 120 days from the date of opening of the tender.

14. Specifications: Stores offered should strictly conform to Purchasers specifications. Deviations, if any, shall be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotation. Test certificate, wherever necessary, should be forwarded along with supplies. Wherever options are called for in our specifications, the tenderer should address all such options, wherever specifically mentioned by us, and the tenderer could suggest changes to specifications with appropriate response for the same. Even in such case, the tenderer should state why he cannot meet our specifications and why he is suggesting the change.

15. Successful tenderer will have to furnish in the form of a Bank Guarantee or in any other form as called for by the Purchaser towards adequate security for the materials/property provided by the purchaser for the due execution for the Contract.

16. TERMS AND CONDITIONS OF TENDER:

Price quoted should be on the basis of FOR IPRC, Mahendragiri or delivery at site

The Purchaser will not pay separately for transit insurance, and the risk and cost during transit shall be exclusively the responsibility of the Contractor and the purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

17. The Contractor shall at all times indemnify the Purchaser against all claims which may be in respect of the stores for infringement of any right protected by Patent, Registration or design or Trade Mark and shall take all risks of accidents or damage which may cause a failure of the supply from whatever causes arising and the entire responsibility for the sufficiency of all means used by him for the fulfilment of the Contract

18. The Purchaser reserves the right to accept or reject any quotation fully or partly without assigning any reason therefore.

19. The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed not later than the date specified therein, and failure to do so, without adequate justification, may involve cancellation of the Contract at the discretion of the Purchaser.

20. Vendors may please note that in case of two-part tender, the price details shall be mentioned only in the price-bid template. If the price details either in part or full are indicated in the technical bid, the bid will be disqualified.

21. Where counter terms and conditions/printed or cyclostyled conditions of sale have been offered by the tenders, the same shall not be deemed to have been accepted by the Purchaser unless the Purchaser's specific written acceptance thereof is obtained

3. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA

1. Any false declaration and non-compliance of the above would be a ground for immediate rejection of offer or termination of the contract and further legal action in accordance with the laws.

2. As per the Rule 144(xi) of General Financial Rule, 2017, any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority ie., Department for Promotion of Industry and Internal Trade (DPIIT).

3. Hence, Vendors or Agents of a Vendor (Indian or others) from a country sharing border with India shall submit copy of valid registration made with Department for Promotion of Industry and Internal Trade (DPIIT), Government of India along with the tender mandatorily, without which the offer will be treated as invalid.

4. Model Certificate for Tenders

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered

5. Validity of Registration: Registration should be valid at the time of submission of bids and should be valid at the time of placement of order.

4. GENERAL TERMS AND CONDITONS

1. a) Facility of after sales service to be confirmed with details.
- b) Permanent Account Number (PAN) allotted by Income-Tax authorities shall be furnished with documentary proof. Otherwise, documentary proof for having applied for PAN should be provided. Also PAN should be in the name of Company/Firm, if quoted by the Company/Firm and in the name of Individual, if quoted by individual.
- c) GST No.
- d) PAN No.
- e) Local office in Tirunelveli / Nagercoil is preferable.

Note: (b) to (e) are applicable for Indian Companies only.

2. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.

3. GST where legally leviable and intended to be claimed should be distinctly shown separately in the tender. As per Notification No.45/2017 Central Tax(Rate) or Notification No. 47/17 Integrated TAX(Rate) of 14/11/17, We are eligible for availing Concessional GST@5% against certificate issued by an officer not below the rank of Dy. Secretary to Govt. of India

4. Guarantee / Warranty period as applicable shall be indicated, along with the quote. Guarantee/Warranty shall commence from the date of installation and acceptance of the complete equipment supplied under the contract/purchase order.

5. If an Indian agent submits bid on behalf of the Principal/OEM, the same Indian agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product

6. In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/ OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

7. In case of imported items (stores), Ex-Works/FOB/FCA prices should be indicated. In case of indigenous stores the quotation should be on FOR-Destination / Door delivery basis.

8. In case the vendor falls in the category of Small Scale Industries(SSIs), who are registered with NSI, Public Sector Undertakings (PSUs) and Micro & Small Enterprises (MSMEs) the same shall be mentioned in their quote for evaluation.

9. Indian Agents while quoting on behalf of their principals shall attach necessary authorization letter from their Principals along with the bid.

10. IPRC reserves the right to accept or reject any quotation in full or part thereof by recording the reasons.

11. IPRC shall not be responsible for failure of vendors in submitting bids online caused due to technical reasons at vendor end such as network or power failures, computer failure, internet-browser, mistakes / errors in filling the bids on line by vendor etc.

12. ISRO PROPULSION COMPLEX (IPRC) is exempted from payment of Customs Duty under Notification No. 50/2017-Customs dated 30.06.2017 and as amended by Notification No.5/18 Customs dt:25/1/18. For imported items IPRC will provide Customs Duty Exemption Certificate for availing Concessional CD and IGST.

13. Last minute request for the extension of the due date w.r.t. any technical issue at Vendors/Suppliers side will not be considered. You may submit your quotation online well in advance instead of waiting till the last date to ensure that Internet problem and network condition does not cause problem

14. LIQUIDATED DAMAGES: Delivery is the essence of the contract. Items shall be delivered within stipulated period. If delivery is delayed beyond the stipulated delivery period mentioned in the purchase order or any extension thereof, an amount equal to 0.5% per week shall be recovered, subject to a maximum of 10% of the order value shall be deducted from your bills due.

15. Offers sent through post, telegram, fax, e-mail, courier will not be considered. Partially completed / incomplete tenders shall not be considered.

16. Only authorized dealers/agents or their accredited representatives for original manufacturers have to submit the quotation with documentary evidence.

17. PAYMENT: 100% through RTGS within 30 days from the date of receipt and acceptance of items at our site is the normal payment for Indigenous supply. In the case of direct Import, normal terms of payment are by Sight Draft / Wire Transfer after receipt of items. However, other terms of payment like establishment of Letter of Credit may be considered by the Purchaser on such terms and conditions as may be agreed upon.

18. PERFORMANCE BANK GUARANTEE :

The Supplier shall guarantee the successful and satisfactory performance/commissioning of equipment/machinery under the conditions specified in the Purchase Order. As a performance security, the SUPPLIER shall furnish a performance bank guarantee (format enclosed) from Nationalized Bank/Scheduled Bank for an amount equal to the sum of 3% of the order value ensuring the due performance of equipment/machinery in accordance with all the specifications and terms specified in the Purchase Order herein valid for the warranty period. On due performance, the performance bank

guarantee shall be automatically cancelled and returned to the Supplier within 30 days after expiry of the Warranty period. The performance bank guarantee shall have claim period of six months.

19. SECURITY DEPOSIT : Security Deposit @ 3% of order value shall be submitted in the form of DD/FDR duly endorsed in favour of Accounts Officer, IPRC or by way of Bank Guarantee (in the prescribed format) within 20 days after receipt of order and valid up to the successful execution of the order.

20. The goods or material offered should be strictly as per our specifications. Change(s) in specifications, if any, should be clearly indicated by the supplier in his quotation. The supplier should also indicate make/type No. of the materials or equipment offered. Vague terms such as Best Indian, Best Indigenous and Imported make should not be used.

21. The offer should be valid for a minimum period of 120 days from the date of opening of the bids (Technical bid in case of 2-part tender).

22. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderer shall supply the same at the rates quoted.

23. Wherever the tenderer is asked to submit sample for evaluation of tenders, the same shall be submitted along with your quote.

C. Bid Templates

C.1 Technical Bid - Supply installation, commissioning, inspection, testing of full fledged submersible five axes CNC Wire EDM with all standard accessories

1. CNC WIRE CUT EDM: 1.0. Supply installation, commissioning, inspection, testing of full fledged submersible five axes CNC Wire EDM with all standard accessories and as per specifications and description detailed below.

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Specification:		-		
2	Supply installation, commissioning, inspection, testing of full fledged submersible five axes CNC Wire EDM with all standard accessories and as per specifications and description detailed below.		-		
3	Important Technical Specification:		-		
4	Machine type	: Submersible	Yes / No / Explain		
5	Simultaneous controlled axes	: X, Y, U, V & Z axes	Yes / No / Explain		
6	X axis traverse	: 800 mm or more	Yes / No / Explain		
7	Y axis traverse	: 500 mm or more	Yes / No / Explain		
8	Z axis traverse	: 500 mm or more	Yes / No / Explain		
9	U axis auxiliary	: 150 mm or more	Yes / No / Explain		

10	V axis auxiliary	: 150 mm or more	Yes / No / Explain		
11	Work table size (X-axis)	: 1000 mm or more	Yes / No / Explain		
12	Work table size (Y-axis)	: 700 mm or more	Yes / No / Explain		
13	U-V axis taper angle deg.	: +/- 25 degree (min) for 100 mm or more	Yes / No / Explain		
14	Work piece height	: 500 mm or more	Yes / No / Explain		
15	Work piece weight (Max.)	: 1000 kg or more	Yes / No / Explain		
16	Wire electrode diameters	: Range - 0.15mm to 0.3mm (Nominal)	Yes / No / Explain		
17	Fully automatic wire threading facility for all electrode diameter (ie: 15mm-0.3mm)	: Z axis full stroke ie: 500 mm	Yes / No / Explain		
18	Wire spool capacity	: 3.5 kg to 8 kgs (Nominal)	Yes / No / Explain		
19	Position measurement system	: Linear glass scale for X & Y liner axes, for U, V, & Z axes rotary encoder in built with AC servomotor.	Yes / No / Explain		
20	Resolution of all axis	: 1 Micron or less	Yes / No / Explain		
21	Least input increment	: 0.1 Micron or less through program control.	Yes / No / Explain		
22	Surface finish	: <0.5micron Ra	Yes / No / Explain		
23	Wire guide	: Closed diamond type or latest applicable.	Yes / No / Explain		
24	Max cutting speed (mm ² /Min)	: 200mm ² /min or more with standard material, (ie: Alloy Steels)	Yes / No / Explain		
25	Minimum trimming cut thickness:	: 3 micron	Yes / No / Explain		
26	Rapid movement of all the axes	: 1.5m/min or more	Yes / No / Explain		

27	Pulse Generator Machining cutting range	: 0.5A to 25 A (Nominal)	Yes / No / Explain		
28	Machine Geometrical accuracies:		-		
29	Machine Geometrical accuracies, positional accuracies and repeatability measured as per National/ International standards (VDI/DGQ344 1 or ISO 230-2) or Equivalent: Aimed for full stroke of all axes (Important parameter) .		-		
30	Positional uncertainty (Pa)/ Accuracy for axes X, Y and axes U & V full stroke of axis: 10 micron or less.		-		
31	Positional Scatter (Ps)/ Repeatability for X, Y and axes U & V : 10 micron or less.		-		
32	Straightness of individual axes X,Y,Z for full of stroke: 15 micron or less.		-		
33	Perpendicularity between X-Y, X-Z, Y-Z, U-V, U-Z and V-Z full strokes : 15 micron or less.		-		
34	Parallelism X-U and Y-V full strokes: 15 micron or less.		-		

35	Flatness X, Y and U, V -Axis direction full stroke: 15 micron or less.		-		
36	Squareness of X, Y and U, V-axes full stroke: 15 micron or less.		-		
37	Machine Tool Configuration:		-		
38	The Five axes CNC Wire EDM machine (submersible) shall be configured with the following features, accessories and specifications.		-		
39	High precision five axes submersible CNC Wire EDM machine shall be suitable for machining precision components made up of stainless steel, titanium alloys, nickel alloys & high strength heat resistant materials.		-		
40	The machine shall be provided with X, Y, Z and auxiliary U, V axes for simultaneous and independent control of all the five axes.		-		

41	Machine should have of C1-class ball screws for X & Y axes, Bidder shall mention the make and class of feed screws for all the axes.		-		
42	Bidder shall mention the make and size while quoting. The supplier shall produce the manufacturers test certificate at the time of pre-delivery inspection.		-		
43	The machine shall be provided with hand held pendent of X, Y, U & V axes for setting/manual operation.		-		
44	Windows based part programming application software which shall supporting CAD/CAM.		-		
45	Automatic wire threading for Z axis with full stroke, anti-collision and auto power recovery as standard features.		-		
46	Chiller unit for cooling coolant, controlled automatically by controller of machine, of suitable capacity.		-		

47	'Z' axis Lock function is essential has to be provided for safety during operation.		-		
48	The machine shall be provided with suitable dielectric unit with De-Ion exchange resin & tank.		-		
49	The machine shall be capable of operating in flush mode also.		-		
50	Fully automatic wire threading facility: Automatic wire threading facility (a) at wire break point or (b) machine can go to wire entry hole, thread the wire rapidly and come to wire broken point.		-		
51	The machine should have rigid base as a one-piece casting for high level static, dynamic & Damping capacity.		-		
52	CNC Functions & part programming software details and control system.		-		

53	The CNC control system should be of state of art with latest control system, software has to support CAD/CAM facility for part programming.		-		
54	Data output: Color monitor 10" or more LED touch screen monitor.		-		
55	Control Features:		-		
56	CNC device: Industrial PC with 5 axes CNC control system with integrated programmable logic controller (PLC)/PC based for wire cut machine with simultaneous control of 5 axes.		-		
57	Dielectric unit:		-		
58	Dielectric unit shall be provided with efficient automatic chiller unit cooling system to run the machine continuously. Dielectric unit system shall be provided with De-ion resin.		-		

59	Paper filtration unit for cleaning DM water, primary paper filter shall have 10 micron or less and secondary filter resin tank type or equivalent. Reservoir to be provided to suit the machine capacity.		-		
60	Safety and protection:		-		
61	The machine should have adequate and reliable safety interlocks/devices to avoid damage to the machine, work piece and the operator due to the malfunctioning or mistakes.		-		
62	Machine functions should be continuously monitored and alarm/warning indications through lights/alarm number with messages (on CNC display panels) should be available.		-		
63	A detailed list of alarms/indications provided on machine should be submitted by the supplier.		-		
64	Accessories for machines to be supplied:		-		
65	Diamond guide for wire dia. 0.25mm – 1 set.		-		

66	Paper filter (10 micron) – 1 set.		-		
67	Current pickup – 1 set.		-		
68	Upper and lower flushing nozzle dia. 4mm, 6mm, 8mm – 1 set each.		-		
69	Clamping beam along with clamping screws of different length – 1 set.		-		
70	Tool box with essential tools – 1 no.		-		
71	Auto wire verticality alignment block – 1 no.		-		
72	EDM brass wire dia. 0.25mm – 5 kg spool – 1 no.		-		
73	Ion exchange resin – 10 ltrs or more		-		
74	Essential Accessories:		-		
75	Servo controlled voltage stabilizer – 1 set. Input voltage range: 380V to 465V AC Output voltage: 415V $\pm 1\%$ Line frequency: 50Hz $\pm 1\%$		-		
76	Isolation Transformer – 1 set.		-		

77	Spares (Electrical and Mechanical) and consumables for trouble free operation of the machine for two years beyond warranty period shall be quoted.		-		
78	Department will choose the spares on requirement.		-		
79	Hence, breakup cost of each item shall be provided.		-		

Supporting Documents required from Vendor

1. Documents to be submitted along with quotation:

2. Catalogue/Brochure of the offered machine giving detailed specifications, model no. along with the colored photographs of the machine shall be enclosed.

3. If not OEM, authorization/dealership certificate shall be submitted. The documentary proof from OEM declaring them as authorized representative with validity period at the time of bidding.

4. A list of minimum two nos. of Government establishments or reputed companies in India to whom similar CNC wire EDM machines were supplied shall be enclosed along with the quotation.

5. Customer PO copies, list of earlier customer details, the contact person with their email and contact no. shall be enclosed along with quotation for factory evaluation.

6. Bidder has to provide test chart for geometrical accuracies with reference to National/ International standards.

7. Site conditions required for installation & commissioning of machine which includes foundation details, floor area, any other requirement etc., may be attached while quoting.

8. Letter from OEM to provide service support & spare for this model for 10 years.

9. In absence of the above required documents, the quotation (offer) will not be considered and will not be evaluated.

10. The technical specifications are the important parameters of the machine. Hence the machine manufacturer should quote exact parameter values of the offered machine.

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	The bidder should quote in Indian rupees only. Other country currency quote will not be accepted for evaluation of the tender.	Yes / No / Explain	
2	Bidder should mention the Machine Model Number, Part Number, CNC controller Number etc.	Yes / No / Explain	
3	OEM should have the necessary in-house facilities in terms of trained manpower, infrastructure for design, manufacturing, assembly area and testing of offered machine.	Yes / No / Explain	
4	The bidder should have supplied minimum two numbers of CNC wire EDM, similar to the government organization or to the reputed PSU organization in India.	Yes / No / Explain	
5	The bidder/OEM should have minimum five years of experience in manufacturing CNC wire EDM machine of similar design and capacity.	Yes / No / Explain	
6	Only OEM of CNC wire EDM or their authorized dealers are eligible to bid.	Yes / No / Explain	
7	Pre Qualification criteria of the bidder:	Yes / No / Explain	
8	AMC charges for the four years (three visits per year ie two visits preventive maintenance & one breakdown maintenance) to be quoted separately after warranty period.	Yes / No / Explain	
9	The bidder should give an assurance for AMC of the machine minimum period of four years.	Yes / No / Explain	
10	The service office address shall be mentioned while quoting.	Yes / No / Explain	
11	Reliable after sales support and service: The firm should adequate service, application support and stock of spare parts.	Yes / No / Explain	
12	After sales service:	Yes / No / Explain	

13	The complete machine tool and accessories shall be warranty for as period of 12 months from the date of commissioning and acceptance. The service and supply of spares during warranty period shall be free of cost.	Yes / No / Explain	
14	Warranty / Guarantee:	Yes / No / Explain	
15	For acceptance of the machine: Trial jobs machining shall be carried out at Purchaser's site for machine performance test as per the National / International standard test.	Yes / No / Explain	
16	Acceptance Criteria:	Yes / No / Explain	
17	b.Second stage: Five days training after successful installation at IPRC. Two persons (Operators).	Yes / No / Explain	
18	a.First stage: Five days training shall be conducted during pre-dispatch inspection period.- Two persons (Engineers).	Yes / No / Explain	
19	Training to be imparted by OEM qualified personal in two stages mentioned as below. Cost for training, if any may be included. Cost will be included in the total cost during evaluation of bids.	Yes / No / Explain	
20	Adequate training for the operation, programming, maintenance of mechanical, electrical and electronics shall be provided by the supplier to the departmental personnel by the manufacturer at their works and is in the scope of supply.	Yes / No / Explain	
21	Training:	Yes / No / Explain	
22	Installation, commissioning and performance test shall be carried out by the supplier at IPRC, Mahendragiri. The supplier shall provide the site requirement for installation of machine within one month after receiving the purchase order.	Yes / No / Explain	
23	Installation and Commissioning:	Yes / No / Explain	
24	Dispatch clearance will be given after verification OEM international test chart.	Yes / No / Explain	

25	If the machine is imported from in the foreign country pre-delivery inspection will be carried out according to the OEM international test chart. Test chart is to be submitted before dispatch of the machine. It has to be signed by QC of OEM.	Yes / No / Explain	
26	Machining of complex profile (like hexagon, circle and cone). One profile at top and another profile at bottom have to be demonstrated during pre-delivery inspection confirming the accuracies, surface finish as specified in the standard.	Yes / No / Explain	
27	Supplier has to carryout taper cutting of 25 degree±10 minutes with 0.25mm brass wire by tilting the wire with respect to Z – axes on 50mm thick plate.	Yes / No / Explain	
28	Bidder has to arrange required material for demonstration purpose and for machine performance test.	Yes / No / Explain	
29	Supplier has to demonstrate cutting of 450mm thick piece, for this MS/HRHCr rod/block of 50mm and height 450mm shall be mounted vertically and cut in to two equal pieces.	Yes / No / Explain	
30	Bidder has to carryout machining of components, at the suppliers site in presence of purchaser representative during pre-dispatch inspection for machine performance test.	Yes / No / Explain	
31	Machine shall be inspected for geometrical accuracies as per National/ International standard test chart confirming to standard test code.	Yes / No / Explain	
32	Machine inspection will be carried out as per National/ International standards.	Yes / No / Explain	
33	Pre-Dispatch inspection and performance testing of the machine will be carried out by the IPRC's representative at the supplier's site or online video mode.	Yes / No / Explain	
34	Pre- delivery Inspection:	Yes / No / Explain	
35	Validity of Offer (specify)	Yes / No / Explain	
36	Delivery Period (specify)	Yes / No / Explain	

37	Delivery Terms: Normal delivery terms - FOR Destination (i.e., IPRC, Mahendragiri)	Yes / No / Explain	
38	Payment Terms: 100% within 30 days after receipt and acceptance of items (No advance payment is acceptable). Specify your Payment Terms.	Yes / No / Explain	
39	Security Deposit: The Supplier shall provide Bank Guarantee for an amount equivalent to the 3% (THREE PERCENT) of the total Order value towards Security Deposit for the due performance of the Purchase Order. The Security Deposit can be submitted in the form of Bank Guarantee or Fixed Deposit Receipt obtained from any Nationalized/ Scheduled Bank and it shall be kept valid for a period of sixty days beyond the date of completion of the Purchase Order. This Security Deposit will be returned to the Supplier only upon successful completion of all the contractual obligations or shall be adjusted/ forfeited against non-fulfilment of any of the contractual obligations. The Security Deposit shall be submitted within 30 days from the date of receipt of Purchase Order.	Yes / No / Explain	
40	Confirm: Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA	Yes / No / Explain	
41	Liquidated Damages: The delivery period / completion period shall be the essence of the Purchase Order. If the Supplier fails to meet delivery date within the time specified above or any extension thereof, the Department will recover from the Supplier as Liquidated Damages (LD) a sum of 0.5% of the total order value for each calendar week of delay subject to a maximum of 10% of the total order value. Confirm your acceptance.	Yes / No / Explain	
42	Name of PRINCIPAL, Address, Contact No, E-mail Id etc. (specify):	Yes / No / Explain	
43	Currency quoted (specify)	Yes / No / Explain	
44	Warranty / Guarantee Period: (specify)	Yes / No / Explain	

45	Taxes and other costs, if any: (specify). As per Notification No. 45/2017 - Central Tax and 47/2017-Integrated Tax (rate) dated 14/11/2017, we are eligible for concessional rate of GST @ 5%. Relevant Certificate shall be issued as and when required.	Yes / No / Explain	
46	Performance Bank Guarantee: Performance Bank Guarantee (PBG) for 3% of the order value shall be submitted along with your Invoice/prior to final payment. It shall be valid till the warranty/ guarantee period and shall have an additional claim period of 60 days.	Yes / No / Explain	
47	Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid. Percentage of Local Content for the offered item / items shall be specified	Yes / No / Explain	
48	MSME preference is applicable only against the claim of the manufacturer and production of documentary evidence by the manufacturer for the registration of particular item under MSME.	Yes / No / Explain	
49	Bank Details (State Bank of India, Mahendragiri, Tirunelveli (Dist) - 627 133) Details of your bank shall be furnished.	Yes / No / Explain	
50	Any other terms	-	
51	Percentage of Local Content for the offered item / items shall be specified	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
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1	CNC WIRE CUT EDM: 1.0. Supply installation, commissioning, inspection, testing of full fledged submersible five axes CNC Wire EDM with all standard accessories and as per specifications and description detailed below.	1.00 Lot		-		
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