



KHULNA SHIPYARD LIMITED

BANGLADESH NAVY, KHULNA

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BABE (F)–3729/EDM Wire Cut Mc/2025-26

23 February 2026

Dear Sir

INVITATION FOR QUOTATION OF EDM WIRE CUT MACHINE (SEMI SUBMERGED TYPE) WITH ALL ACCESSORIES

1. Khulna Shipyard Limited (KSY) will procure "EDM WIRE CUT MACHINE (SEMI SUBMERGED TYPE) WITH ALL ACCESSORIES " as per attach specification (**02 Pages**) with following terms & conditions:
2. Please send your offer CFR at Chattogram Sea Port basis within **15/03/2026 (11:30 Hours)** by e-mail or closed envelop.
 - a) Payment: Payment will be made through Letter of Credit where LC Commission (0.3% of Contract value per quarter), insurance (0.3% of Contract value) with related others cost will be borne by supplier at LC opening.
 - i. 80% of the total contract value will be paid against shipping documents and
 - ii. Rest 20% will be paid after receiving the material at KSY and satisfactory acceptance.
 - b) Shipment: 45 days from the opening date of LC.
 - c) FOB value & Ocean freight should be shown separately (Freight & Material Value)
3. Three percent (3%) Bid Bond/ Earnest Money (in the form of a pay order, returnable after the submission of the Performance Guarantee, PG) equivalent to the total quoted value must be submitted with the offer. This amount is subject to forfeiture if the bidder withdraws or modifies their Tender for any reason, violates the terms after the Tender opening and before the expiration of its validity, or fails to provide the required performance bond within the stipulated time after receiving the letter of intent.
4. Five percent (5%) of the total value will be submitted as a Performance Guarantee (PG) in the form of a Pay Order/Bank Gurrantee before the Purchase Order. This guarantee will be released after a satisfactory inspection of quantity, quality and weight by KSY in the presence of the supplier's representative at the shipyard premises. The buyer reserves the right to forfeit the performance guarantee if the supplier fails to fulfill the terms and conditions of this contract, whether partially or wholly, and may take any other appropriate action against the supplier.
5. Supplier shall furnish to KSY a guarantee for warranty (as a Pay Order/ Bank Gurrantee) for an amount equivalent to 05% (five percent) of the total contract price from any scheduled bank situated in Bangladesh. The buyer shall have the right to forfeit the guarantee for failure of the supplier in fulfilling the terms and conditions partially or wholly, besides taking any other action against the supplier that may be warranted. It will be released after completion of warranty period.
6. Offer Validity: 30 Days from Tender Opening Date.

Thanking You

Sk. Shah Moshir Rahman
Manager Admin
For Managing Director

TENDER SPECIFICATION OF ELECTRICAL DISCHARGE MACHINING (EDM) WIRE CUT MACHINE.

1. **Name of the Equipment.** EDM Wire Cut Machine (Semi Submerged Type).
2. **Purpose.** The machine will be used primarily for mold manufacturing, die making, and related tooling works, ensuring reliable accuracy, repeatability, and stable performance under workshop operating conditions.
3. **Quantity.** One (01) complete set with all standard and necessary accessories and attachments.
4. **Country of Origin.** USA/UK/Japan/EU countries/South Korea/China/ Singapore (Name of Country to be Mentioned).
5. **Manufacturing Country.** USA / UK / Japan/EU countries/ South Korea / China/ Singapore (Name of Country to be Mentioned).
6. **Manufacturer.** To be Mentioned (Name and Full Address To Be Mentioned).
7. **Year of Manufacture.** 2024 or later. The item should be brand new and original.
8. **Certificate and Documents of Authentication.** The supplier shall submit valid documentary evidence confirming the authenticity of the offered Machine.
9. **Standard.** The offered equipment shall comply with applicable international manufacturing and quality standards.
10. **Technical Specification of the EDM Wire Cut Machine.**

Ser	Technical Parameter	Description
a.	Work Table Size (W x D) mm	Minimum Range 500 X 700 (To be Mentioned).
b.	Work Table Travel (X x Y) mm	Minimum Range 400 X 500 (To be Mentioned).
c.	Work Table Travel (U x V) Axis mm	Minimum Range 120x120 (To be mentioned).
d.	Work Piece Weight (kg)	To be Mentioned.
e.	Work Piece Thickness (mm)	Minimum 200~ 300 (To be Mentioned)
f.	Max Tapper Angle	±10°/80 mm (To be Mentioned).
g.	Diameter of Wire	Ø 0.1 ~ Ø 0.2 (To be Mentioned).
h.	Wire Feed Rate m/sec	Minimum 2 ~ 11 (To be Mentioned).
i.	Machining Precision (mm)	≤ 0.015 (To be Mentioned).
j.	Max Machining Speed (mm ² /min)	To be Mentioned.
k.	Surface Roughness μ m	Ra ≤ 0.8~ 1.0 (Multi Cutting)
l.	Motor Type	Servo Motor.
m.	CNC Linkage Axis	4 Axis (X,Y,U,V)
n.	Tank with Double Pump	Yes
o.	Operating system (latest)	The control system should be modern, user friendly CNC Controller, preferably with a windows based interface.
p.	Result Display Touch Screen	High Definition 15 inch LCD Digital readout (To be Mentioned).
q.	Memory	Sufficient internal memory for program storage and operation.
r.	Programmability	a. AutoCAD can be used to program directly in the software. b. Transferable Program through USB
s.	Auto Program	CNC auto program and control function.
t.	Power Supply Electrical	Three Phase, AC, 400V (±10%), 50Hz
u.	Cables	All required cables including interface and control cables will be supplied by the supplier. The specification of power cable to be mentioned by the supplier.
v.	Dimensions (D x W x H)	To be Mentioned.
w.	Auto Power Recovery System	To be Mentioned.
x.	Auto Wire Threading	Yes

11. **Standard and Necessary Accessories.** All standard and necessary accessories for EDM Wire Cut Machine are to be supplied for efficient and smooth operation whether those are mentioned in the specification or not, including but not limited to the following:

- a) Machine fixtures and standard clamping devices suitable for normal work holding.
- b) Basic tool kit with toolbox required for routine operation and adjustment.

- c) Machine levelling mounts and foundation accessories.
- d) Electrical and Mechanical drawings and schematics of the machine.

12. **Optional Items.** A list of optional items with item-wise price (not included in the quoted FOB/CIF price) may be provided for enhanced or advanced operation of the machine, including but not limited to:

- a) Advanced CNC programming software or upgraded controller features
 - b) Additional work holding fixtures or special clamping systems
 - c) Extended training or advanced operation support
- Provision of optional items shall not affect the evaluation of the main offer.

13. **Spares.** A list of manufacturer recommended fast moving spares with item wise price (not included in the quoted FOB/CIF price) for the EDM Wire Cut Machine are to be provided with the quotation but not limited to the following:

Ser	Item	Size	Qty
a.	Moly Wire	0.18/2000m	25
b.	Wire Guide for .18 wire		10
c.	Copper Wire	0.2mm	5
d.	Wire Guide for .20mm		4
e.	Filter		6
f.	Carbide/Electric Block		10
g.	Working Solution JR3A		25
h.	Pully Wheel		10
i.	Guide Wheel (6 sets)		6
j.	Limit Switch		5
k.	Clamping KIT M10	36 pcs	1
l.	Powerful Neodymium Magnets	25x8mm	10

14. **Installation.** The EDM Wire cut Machine should be supplied by the supplier including all required items, design, drawings etc. The supplier should carry out the fully installation and commissioning (including required tools and equipment) at Khulna Shipyard Ltd in Khulna, Bangladesh.

15. **Test-Trial and Commissioning.** The supplier's engineer will carry out test-trial and commissioning of the EDM Wire cut Machine at the buyer's premises at in presence of the buyer's representative and handover the Machine fully operational condition to the KSY authority. A test/ trial report, in this regard, will be signed jointly by the representative of supplier and the buyer.

16. **Operation and Maintenance Training.** After successful installation, test-trial, and commissioning, the supplier shall provide operation and maintenance training for the Machine to the buyer's nominated operators and maintenance personnel. The training shall cover machine operation, basic programming, routine maintenance, and troubleshooting. The minimum duration of training shall be five (05) working days.

17. **Documents.** Two (02) sets of following documents (in English language) are to be supplied with the Wire cut EDM Machine:

- a. Instruction and Operational manual.
- b. Workshop level repair manual.
- c. Electrical and electronic circuit, fault finding flow chart, etc.
- d. Executive program and necessary software of the system.

18. **Warranty.** The manufacturer/supplier shall provide a warranty for trouble-free operation of the EDM Wire Cut Machine for a minimum period of twelve (12) months from the date of acceptance by the buyer.

The warranty shall cover defects in materials and workmanship under normal operating conditions, including necessary spare parts and service support during the warranty period

19. **Compliance Statement.** A compliance statement (in a tabular format) fulfilling all the requirement of the tender is to be submitted for evaluation of the quotations. Stating mere 'Yes' or 'No' will not suffice and detailed description/ information as required is to be given. An incomplete compliance statement may attribute to cancellation of the offer. If any clause of this specification does not commensurate with offered Wire cut EDM Machine the deviation has to be spelt out clearly.