



খুলনা শিপইয়ার্ড লিমিটেড

বাংলাদেশ নৌ বাহিনী



টেন্ডার নং বাবি-২২/১২৩-এম/২০-২১

প্লেটারশপের ওয়েল্ডিং এর কাজের জন্য (নংনিঃ ৭৬১-৭৬৫)

ফরমায়েশ নং- ৪০০১, তাং- ১৮/০২/২১

তারিখঃ ০৩-০৬-২১

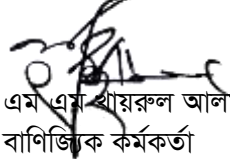
খোলার তারিখঃ ১০-০৬-২১ (২য় বার টেন্ডার)

বেলাঃ ১১-৩০ ঘটিকা

প্রিয় মহোদয়গণ,

নিম্নলিখিত দ্রব্যাদি খুলনা শিপইয়ার্ডে সরবরাহ করার জন্য আপনাদের কাছ থেকে সর্বনিম্ন মূল্য তালিকা আহবান করা যাচ্ছে। আপনাদের মূল্য তালিকা অবশ্যই অপর পৃষ্ঠায় বর্ণিত আমাদের শর্তাবলী অনুযায়ী হতে হবে।

আপনাদের বিশ্বস্ত


এম এম খায়রুল আলম
বাণিজ্যিক কর্মকর্তা

পক্ষে ম্যানেজিং ডাইরেক্টর

ক্রঃ নং	মালামালের বিবরণ	পরিমাণ	একক দর
১.	Pulse Mig Welding Machine Year of Mfg: 2020 or Later (Latest Version is Preferable) (As per Attached Technical Specification)	03 Complete set	Per set TK:
দরপত্রের সাথে সংযুক্ত Technical Specification অবশ্যই সঠিকভাবে পূরণ করতে হবে। অন্যথায় দর/ দরপত্রটি বাতিল বলে গণ্য হবে।			

বিঃ দ্রঃ ১। দরপত্রে মালামাল গুলির ব্রান্ড/ প্রস্তুতকারী দেশের নাম উল্লেখ করতে হবে। অন্যথায় দরপত্র বাতিল বলে গণ্য হতে পারে।
২। টেন্ডার খোলার সময় দরদাতার কোন মতামত/অভিযোগ থাকলে তা তাৎক্ষণিক টেন্ডার খোলার সময় টেন্ডার কমিটির নিকট উপস্থিত থেকে প্রকাশ করতে হবে। টেন্ডার খোলার পরবর্তীতে টেন্ডার সম্পর্কিত কোন অভিযোগ/মতামত গ্রহণযোগ্য হবে না।

টেন্ডার কমিটির স্বাক্ষর

বাণিজ্যিক শাখা

হিসাবরক্ষণ বিভাগ

ব্যবহারকারী

আমরা অপর পৃষ্ঠায় সমস্ত শর্তাবলী মানিয়া নিলাম।

সরবরাহকারীর স্বাক্ষর

ভ্যাট নিবন্ধন নং-

এরিয়া কোড নং-

টি আই এন নং-

TENDER SPECIFICATION FOR PULSE MIG WELDING MACHINE

1. **Name of the Equipment.** Pulse MIG Welding Machine.
2. **Purpose.** Pulse MIG welding machine is required for high quality aluminum welding in Khulna Shipyard Limited (KSY).
3. **Quantity.** 03 (Three) complete sets.
4. **Manufacturer.** Name and full address to be mentioned.
5. **Year of Manufacture.** 2019 or later (Latest version is preferable).
6. **Country of Origin.** China, ~~UK~~, Japan, Germany, Australia, Norway, Canada
7. **Country of Manufacture.** Same as country of origin.
7. **Certificate/ Document of Authentication.** The local supplier must provide following original certificate(s)/ document(s) with the offer/ quotation of items as regard to the genuinity of source and item(s) in order to establish chain of links from the original source to supply items:
 - a. One certificate/ document by the manufacturer in favor of the supplier (in case of manufacturer as direct source).
 - b. Two certificates/ documents, one by the manufacturer to authorized agent and other by the authorized agent to supplier (in case of authorized agent as immediate source).
8. **Standard.** Pulse MIG welding machine is to be designed and constructed fulfilling the requirement of ASME/CE/ DIN /EN/ ISO standards. The Standard to which Pulse MIG welding machine complies with is to be specified.
9. **Operating Environment.** The environment under which the Pulse MIG welding machine will be operated and their performance will be measured is as under:
 - a. **Ambient Conditions.**

(1)	Air temperature	0°C ~ 40°C or better.
(2)	Relative humidity	20% ~ 80% or better.
10. **Scope of Supply.** The scope of supply is to include the followings:
 - a. Main items (Welding Power Source, Wire Feeder, MIG Welding Torch, Argon Flow meter & regulator, Cables etc.) (As per paragraph 11 to 12).
 - b. Documents (Catalogue, operation/service and maintenance manual, parts catalogue etc. as applicable) (as per paragraph 13 to 14).
 - c. Test and trial (as per paragraph 15).

- d. Warranty (as per paragraph 16).
- e. Any other issue relevant (if any).

11. **Technical Specification.**

a. **General.**

(1)	Brand	To be mentioned.
(2)	Model	To be mentioned.
(3)	Type	Heavy Duty Industrial type.
(4)	Welding Materials	Aluminum (Soft & Hard), Al-Mg, Al-Si alloy.
(5)	Minimum Plate Thickness	The Machine should be able to weld minimum plate thickness of 2 mm.
(6)	Welding Processes	MIG (Metal Inert Gas) Welding.
(7)	Protective Gas	Argon.
(8)	Mounting	Rack mounted with wheels or Trolley.
(9)	Control Panel	The Control Panel should have following facilities : (i) Current and Voltage LED digital display. (ii) Welding current regulator. (iii) Welding voltage regulator. (iv) Soft touch key operation.

b. **Power Source.**

(1)	Input power	380 V ($\pm 10\%$), 3Phase , 50 Hz.
(2)	Rated Duty Cycle	Minimum 500A @ 60% duty cycle.
(3)	Output Current Range	25A ~ 500A or better.
(4)	Output Voltage Range	To be mentioned.
(5)	Rated No-Load Voltage	To be mentioned.
(6)	Rectifier for DC Output	Pulse MIG welding machine should have inbuilt rectifier for producing rated DC output.
(7)	Cooling system	Air cooled.
(8)	Insulation Grade	F or Better.
(9)	Ingress Protection Rating	IP 23 or better.
(10)	Welding wire diameter	Should be of $\phi 0.8\text{mm}$, $\phi 1.0\text{ mm}$, $\phi 1.2\text{ mm}$ & $\phi 1.6\text{ mm}$.
(11)	Cooling Unit	Cooling unit must be supplied for each set and compatible with power source.

c. **MIG Welding Torch.**

(1)	MIG Welding Torch	02 (Two) in number Water cooled MIG Welding Torch with required standard accessories including nozzle, contact tip, gun tube, insulator, gasket, diffuser etc. for standard operation for each set.
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(2)	Brand & Model	To be mentioned.
(3)	Rated duty cycle of MIG Welding Torch	Minimum 500A @ 60% duty cycle.
(4)	Length of power cable	Minimum 3 meter.
(5)	Length of Teflon liner	Minimum 3 meter.
(6)	Cooling system	Water cooled.
(7)	Welding wire diameter	Should be of ϕ 1.0 mm, ϕ 1.2 mm & ϕ 1.6 mm.
(8)	Compatibility	MIG welding torch must be compatible with power source and wire feeder.

d. **Argon Flow Meter with Regulator.**

(1)	Argon Flow Meter with Regulator	01 (One) in number for each set
(2)	Argon Flow Meter with Regulator Brand & Model	To be mentioned.

e. **Wire feeding machine.**

(1)	Wire feeding machine	01 (One) in number with required standard accessories including feed rolls, wire reel shaft, wire straightener, torch cable connection, pressure roll, frame, pressure handle, torch connection part etc. for each set.
(2)	Wire feeding machine Brand & Model	To be mentioned.
(3)	Welding Materials	Aluminum (Soft & Hard)
(4)	Welding Wire Diameter of Wire feeding Machine	Should be of ϕ 1.0 mm, ϕ 1.2 mm & ϕ 1.6 mm.
(5)	Wire feed speed	To be mentioned.
(6)	Wire Carrying weight	Minimum 15 kg (to be mentioned).
(7)	Compatibility	Wire feeding machine must be compatible with power source and MIG welding torch.

f. **Cables:**

(1)	Hose pipe for Argon gas	Minimum 20 meter.
(2)	Hose pipe for Water in	Minimum 20 meter.
(3)	Hose pipe for Water out	Minimum 20 meter.
(4)	Control cable (7 Core)	Minimum 20 meter.
(5)	Power Cable (50 mm ² or more)	Minimum 20 meter.
(6)	Input Line Cable(10 mm ² or more)	Minimum 20 meter.
(7)	Ground Cable (10 mm ² or more)	Minimum 03 Meter.

- g. **Spare Parts:** (Item wise Price to be quoted separately) ✓

(1)	Contact Tip (Dia - 1.0 mm)	40 Pcs
(2)	Contact Tip (Dia - 1.2 mm)	40 Pcs
(3)	Contact Tip Holder	10 Pcs
(4)	Nozzle	10 Pcs
(5)	Gas Diffuser	10 Pcs
(6)	Teflon Liner (Dia 1.0 mm – Dia 1.2 mm)	20 pcs

- h. **Weight.** To be mentioned (Light weight will be preferable). ✓

- i. **Dimensions.** To be mentioned (compact and smaller size is preferable).

12. **Standard Accessories.** All necessary fittings and standard accessories which are required for immediate operation of Pulse MIG welding machine, but not mentioned in this specification are to be provided with the set at the time of delivery. The list includes, but not limited to necessary connectors, plug, fuses etc.

13. **Catalogue.** One set technical catalogue in English is to be provided with the offer. ✓

14. **Manual and Documents.** Operation/Service & Maintenance Manual and Parts Catalogue are to be provided in English during delivery. ✓

15. **Test, Trial, Commissioning and Acceptance.** Test and trial will be carried out by the supplier at KSY premises. All expenses will be borne by the supplier. After satisfactory test & trial, acceptance certificate will be signed jointly by the representative of supplier and the representative of buyer. ✓

16. **Warranty.** 1 year from successful test and trial. ✓

17. **Nameplate.** Nameplate of Pulse MIG welding machine with standard accessories is to be provided in English. ✓

18. **Delivery.** Items are to be delivered within 01 (One) months from the date of signing the contract or purchase order.

19. **Validity of Offer.** The offer will remain valid for 06 (Six) months from the date of opening of tender. ✓

20. **Compliance Statement.** One set of Compliance Statement is to be submitted along with the offer by the bidder.