

TENDER SPECIFICATION OF HYDRAULIC SHEARING MACHINE

1. **Name of the Equipment.** Hydraulic Shearing Machine.
2. **Purpose.** Hydraulic Shearing Machine will be used for shearing Mild Steel (MS), Stainless Steel (SS), Aluminium sheet/ plate etc. in platter and welding shop.
3. **Quantity.** 01 (One) complete set.
4. **Manufacturer, Principal Supplier & Local Supplier.** Names and full addresses are to be mentioned in the following table.

Ser	Description	Remarks
a.	Brand/Manufacture	To be mentioned
b.	Principal Supplier	To be mentioned
c.	Local Supplier	To be mentioned

5. **Year of Manufacture.** 2025 or later. The item should be brand new and original.
6. **Country of Origin.** USA, UK, EU Countries, Switzerland, Norway, Canada, Japan, Australia, South Korea, New Zealand and China.
7. **Manufacturing Country.** USA, UK, EU Countries, Switzerland, Norway, Canada, Japan, Australia, South Korea, New Zealand and China.
8. **Certificate/Document of Authentication.** The local supplier must provide the following original certificate(s)/ document(s) with the offer/quotation of the item as regards to the genuineness of the source and item(s) to establish a chain of links from the original source to supply:
 - a. One certificate/ document from the manufacturer in favour of the supplier (in the case of the manufacturer as the direct source).
 - b. Two certificates/ documents, one from the manufacturer to the authorised agent and the other from the authorised agent to the supplier (in case the authorised agent is the immediate source).
 - c. Three certificates/ documents, first one by the manufacturer to the authorised agent, second one by the authorised agent to the sub-agent and third one by the sub-agent to the supplier (in case of the sub-agent as immediate source). If the supplier cannot obtain the first certificate (by the manufacturer to an authorised agent), then relevant documents to prove the agency-ship of its claimed agent of the recognised manufacturer need to be produced.
9. **Standard.** The Hydraulic Shearing Machine is to be designed and constructed fulfilling the requirement of ASME/ ANSI/ BS/ DIN /ASTM standards. The standard(s) to which the quoted Hydraulic Shearing Machine complies with are to be clearly specified in the quotation. The same information (name of standard) is to be available on the OEM provided brochure (brochure to be essentially provided with the quotation). Necessary document(s)/certification(s) are to be attached with the offer in favour of the statement(s).
10. **Ambient Condition.**

Ser	Description	Remarks
a.	Air Temperature	5°C to 45°C
b.	Relative humidity	Up to 95% (non-condensing)
c.	Location	Close to the shore or hilly area

11. **Scope of Supply.** The scope of supply is to include the followings:

- a. Main items (01 x Hydraulic Shearing Machine), complete with all items necessary for immediate operation without the requirement of any other items (attachments, accessories, consumables, etc) (as per paragraph 12 to 13).
- b. Tools & Special tools (as per paragraph 14 &15).
- c. Documents (user manual, maintenance manual, spare parts catalogue, drawings etc; as applicable) and Certificates (as per paragraph 16 & 17).
- d. Installation (as per paragraph 18).
- e. Inspection, Test/Trial and Acceptance (as per paragraph 19).
- f. Training (as per paragraph 20).
- g. Warranty and Guarantee (as per paragraph 21-22).

12. **Technical Specifications.**

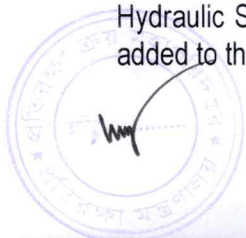
a.	Brand	To be mentioned.
b.	Model	To be mentioned.
c.	Maker	To be mentioned.
d.	Shearing (Cutting) Length	Between 2500 mm.
e.	Shearing Capacity (Thickness)	Mild Steel - 6 mm. Shearing Capacity at Nominal Rake Angle - To be mentioned. Shearing Capacity at Maximum Rake Angle - To be mentioned. Stainless Steel - 6 mm. Shearing Capacity at Nominal Rake Angle - To be mentioned. Shearing Capacity at Maximum Rake Angle - To be mentioned.
f.	Rake Angle	Range - To be mentioned. Nominal Rake - To be mentioned. Maximum Rake - To be mentioned.
g.	Stroke per Min	At Min Rake Angle –To be mentioned. At Max Rake Angle –To be mentioned.
h.	Back gauge	System – Motor Operated. Stroke Length - To be mentioned. Accuracy – To be mentioned.
j.	Hold Down Arrangement	System - Hydraulic. Number - To be mentioned.
k.	Total Power Consumption	To be mentioned.
l.	Weight	To be mentioned.
m.	Overall Dimension	L-3040mmXW-1710mmXH-1620mm (Approx)
n.	Salient Features, Systems, Safety Arrangement etc.	(1) Main Drive Motor.

		<p>(2) Electric Control Panel (conveniently located at either side of the machine in the immediate reach of the operator).</p> <p>(3) Operational Console (conveniently located at either side of the machine in the immediate reach of the operator. Should be located on same side with Electric Control Panel).</p> <p>(4) Electro-hydraulic rake angle adjustment arrangement to suit thickness and material from control console.</p> <p>(5) Finger safety guard with clear view of lighted cutting area.</p> <p>(6) Front sheet support.</p> <p>(7) Hardened transfer bar mounted on table.</p> <p>(8) Hold down cylinders (Positive holding by hydraulic hold downs before shearing avoids slippage of sheets).</p> <p>(9) Electrical neatly wired-labeled for trouble shooting.</p> <p>(10) Hydraulic and electric overload protection.</p> <p>(11) Quick blade gap setting (with calibration) by easy accessible levers.</p> <p>(12) Movable foot pedal control.</p> <p>(13) Motorized back gauge with front side digital control.</p> <p>(14) Four edge HCHCR / HCSR / D2 blade Interchangeable and suitable to shear mild and St. Steel.</p> <p>(15) Stroke counter.</p> <p>(16) Re-circulating type hydraulic system where the hydraulic components are of international standards.</p> <p>(17) Two in no. emergency stop push buttons; one on operator panel side and other at another end of machine.</p>
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13. **Standard Accessories.** The list of standard accessories must include all items and accessories which are essential to operate the Hydraulic Shearing Machine, whether those are mentioned in the specification or not are also to be submitted. The price of standard accessories is to be included in the FOB value. However, an itemised price list of standard accessories is to be provided with the offer for reference value only.

14. **Tools.** 01 (One) set of tools for carrying out maintenance of the Hydraulic Shearing Machine is to be supplied **free of additional cost.**

15. **Special Tools.** A recommended list of special tools (if required) for carrying out maintenance of the Hydraulic Shearing Machine is to be submitted with the quotation indicating the itemised price. That price will be added to the total price while evaluating the comparative price of the suppliers.



16. **Documents.** 2 (two) sets of the following documents in English are to be supplied with the Hydraulic Shearing Machine:
- The instruction manual includes technical specifications, installation, operation, and maintenance.
 - Parts catalog and its components.
 - Factory test certificate/performance certificate.
17. **Quality Assurance certificate.** Quality assurance certificate in respect of the associated equipment in regards to its manufacturing and performance is to be provided at the time of delivery of the items.
18. **Installation.** The item will be installed at BNS SHAHEED MOAZZAM by the supplier in presence of the representative of the buyer. All necessary installation materials are to be supplied with the complete set without additional cost.
19. **Test/ Trial and Acceptance.** The buyer will carry out test and trial of the Hydraulic Shearing Machine in presence of supplier's representative. After satisfactory test, trial and necessary training programme, an acceptance certificate will be signed jointly by the supplier's representative and the representative of buyer.
20. **Training.** The manufacturer's/supplier's installation engineer will provide operation and maintenance training in Bangladesh to 05 (Five) operators for 02 (Two) days after test, trial and commissioning of the Hydraulic Shearing Machine. Cost of training is to be borne by the supplier.
21. **Warranty.** The principal/manufacture will give a warranty for trouble-free operation for at least one year from the date of acceptance by the buyer. If the Hydraulic Shearing Machine remains non-operational during the warranty period due to any action pending by the supplier, the warranty will be extended for the same period. The warranty covers all parts and labour (including the cost of the service engineer) throughout the warranty period.
22. **Guarantee.** The manufacturer will guarantee to supply the spares for at least 05 years with reasonable price. Yearly increase of price of spares should not be more than 5% of the price list for spares mentioned in the quotation.
23. **Shipment.**
- The supplier will arrange the shipment of all items by sea to Chittagong Port, Bangladesh.
 - All items are to be delivered in sea-worthy packing to ensure safe transportation by sea.
 - All packages must have detailed packing notes showing their contents, and they must be marked with the consignee's name, address, and gross weight.
 - The supplier will arrange transportation of all supplied items from Chittagong port to the NSD Chattogram.
 - Port of Shipment.** Any port of the manufacturing country. In case of shipment through any port of the manufacturer's authorised dealer, the relevant manufacturer's certificate is to be provided as proof of the genuineness of the offered item.
24. **Delivery.**
- The items are to be delivered within **9 (Nine) months** from the date of signing the contract to the following consignee:

The Commanding Officer,
NSD Chattogram,
New Mooring, Chattogram, Bangladesh



b. **Place of Delivery.** NSD Chattogram.

c. The supplier will carry the items from Chittagong Port to NSD Chattogram and from NSD Chattogram to BNS Shaheed Moazzam, Kaptai at his own cost and risk.

25. **Validity of Offer.** The offer should remain valid till 180 days from the date of tender opening.

26. **Currency.** Foreign Currency.

27. **Terms of Payment.** L/C for the full purchase amount will be opened in favour of the principal supplier under the following payment terms:

a. 80% of the total CFR value will be paid on delivery of the goods described under the scope of supply and on production of necessary shipping documents.

b. The remaining 20% of the CFR value will be paid upon producing an 'Acceptance Certificate' after satisfactory test and trial jointly carried out by the buyer's and supplier's representatives

28. **Condition for Acceptance of Quotation.** Quotation has to have supporting documents (all required certificates as mentioned before, booklets, leaflet, catalogue, brochure etc from OEM in English) having detailed particulars of the Hydraulic Shearing Machine. If detailed information regarding specifications, maker's books and catalogue at the offered model, scope of supply, etc are not provided; the quotation will not be accepted.

29. **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 the offered Hydraulic Shearing Machine, the deviation has to be spelt out clearly.

