

TENDER SPECIFICATION OF HYDRAULIC TEST BENCH WITH ACCESSORIES FOR CSD ORGANISATION

1. **Name of the Equipment.** Hydraulic Test Bench with Accessories.
2. **Purpose.** The Equipment will be used for testing the CPP Hydraulic Valve.
3. **Quantity.** 1 (one).
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.** 2024 or later. The item should be brand new and original.
6. **Country of Origin.** USA, UK, EU Countries, Canada, Japan, Australia, South Korea, Türkiye (Turkey) and New Zealand.
7. **Manufacturing Country.** Same as the Country of Origin.
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 Test Bench is to be designed and constructed according to international standards. The quoted Hydraulic Test Bench complies with the standard to be specified in detail (ASME/ISO/API/CEN/DNV or any other equivalent global standard).

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 seashore or hilly area

11. **Scopes of Supply.** The scope of supply is to include the following:

- a. 1x Hydraulic Test Bench, with all items necessary for immediate operation without requiring any other items (attachments, accessories, consumables, etc) (as per paragraphs 12 to 15).



- b. Tools (as per paragraph 16).
- c. Spare parts (as per paragraph 17).
- d. Documents (user manual, maintenance manual, spare parts catalogue, drawings, etc., as applicable) and Certificates (as per paragraphs 18 and 19).
- e. Installation, Test, Trial and Acceptance and Training (as per paragraphs 20 and 21).
- f. Warranty and Guarantee (as per paragraphs 22 and 23).
- g. Any other issue relevant (if any).

12. **Technical Specification.**

Ser	Description	Remarks
a.	Type	Electro-Hydraulic
b.	Brand	To be mentioned
c.	Model	To be mentioned
d.	Power	400 V, 50 Hz, 3 Phase
e.	Working Pressure (bar/ Mpa)	Maximum 345 Bar
f.	Flow Rate Minimum	144 Ltr/min
g.	Maximum Temperature	60°C
j.	Size (mm)	
	Dimension	To be mentioned
	Length	To be mentioned
	Width	To be mentioned
	Height	To be mentioned
k.	Hydraulic Hose (Quick disconnect) capacity- maximum 345 bar	Length: 10 m Dia: 25.50 mm
l.	Connection Load (kW)	To be mentioned
m.	Power Cable	30 m
n.	Oil Tank Capacity (Ltr)	To be mentioned
p.	Weight	To be mentioned

13. **Safety Devices.** According to international standards, the Hydraulic Test Bench must include all required safety devices. A list of safety devices in the Hydraulic Test Bench is to be provided with the offer.

14. **Safety Rules.** The safety rules to which the Hydraulic Test Bench conforms are to be clearly specified in detail. The safety devices fitted with the offered Governor Test Bench are to be mentioned separately, showing technical details.

15. **Standard Accessories.** Standard accessories must include all items and accessories essential to operating the Hydraulic Test Bench, whether mentioned in the specification or not. 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.

16. **Tools.** 1 (one) set of standard tools for maintenance of the Hydraulic Test Bench is to be provided, indicating an itemised price. The quantity and size of these tools are to be mentioned in the quotation. The price will be added to the total cost while evaluating the comparative price of the suppliers.

17. **Spare Parts.** A recommended list of spare parts required for 5 (five) years of satisfactory operation must be provided, indicating the itemised price. Only the prices of selected items by BN will be added to the total price while evaluating the comparative prices of the suppliers.

18. **Documents.** 2 (two) sets of the following documents in the English language are to be provided with the Hydraulic Test Bench (free of cost):

Ser	Description
a.	Operation and Maintenance manual.
b.	Parts catalogue.
c.	Performance/ test certificate.

19. **Quality Assurance Certificate.** A quality assurance certificate regarding the associated equipment, including its manufacturing and performance, is to be provided at the time of delivery of the items.

20. **Installation, Test, Trial, and Acceptance.** The Supplier will install the Hydraulic Test Bench at Chattogram. Necessary tests and trials of the item at Chattogram in the presence of the Buyer's representative. After a satisfactory test and trial, an acceptance certificate will be signed jointly by the supplier's and buyer's representatives.

21. **Training.** The supplier's /manufacturer's installation engineer will provide operation and maintenance training in Bangladesh to the operators for 2 (two) days after the Hydraulic Test Bench is tested, trialled, and commissioned. The bidder will quote the cost of training separately in their financial offer. The supplier will bear the trainers' air ticket cost, internal transportation, accommodation, food, medical support, etc.

22. **Warranty.** The principal/manufacturer will give a warranty for trouble-free operation for at least one year from the date of acceptance by the buyer. If the Hydraulic Test Bench 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.

23. **Guarantee.** The manufacturer will guarantee the spare parts supply for at least 5 (five) years at a reasonable price. The annual increase in the price of spares should not be more than 5% of the price list provided with the quotation.

24. **Shipment.**

a. The supplier will arrange the shipment of all items by sea to Chittagong Port, Bangladesh.

b. All items are to be delivered in sea-worthy packing to ensure safe transportation by sea.

c. All packages must have detailed packing notes showing their contents, and they must be marked with the consignee's name, address, and gross weight.

d. The supplier will arrange transportation of all supplied items from Chittagong port to the NSD Chattogram.

e. **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.

25. **Delivery.**

a. 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 at the cost and risk of the supplier.
26. **Validity of Offer.** The offer should remain valid until 180 days from the tender opening date.
27. **Currency.** Foreign Currency.
28. **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 items 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 a satisfactory test and trial jointly carried out by the buyer's and supplier's representatives.
29. **Condition for Acceptance of Quotation.** The quotation has to have supporting documents (booklets, leaflets, catalogues, brochures, etc.) with details about the Hydraulic Test Bench. The quotation will not be accepted if detailed information regarding specifications, maker's books and catalogue for the quoted model of the Hydraulic Test Bench, spare parts, accessories, scope of supply, etc, are not provided.
30. **Compliance Statement.** A compliance statement fulfilling all the requirements of the tender is to be submitted with the offer for evaluation of the quotations. Merely stating 'Yes' or 'No' will not suffice; rather, detailed descriptions/information as required are to be provided. An incomplete compliance statement may contribute to the cancellation of the offer. If any clause of this specification is not commensurate with the offered Hydraulic Test Bench, the deviation must be spelt out clearly.

