



Directorate of Inventory
Deletion, ITD Wing,
Naval Research &
Development Institute (NRDI)
at NSSD Area, West Wharf Road
KARACHI

Tel: 021-48509460-239
Fax: 021-99214765
Email: ditd-s@paknavy.gov.pk
did@paknavy.gov.pk

Inv.Del/ME/VIS HM (Bolt)/IT/24/ 35

On PPRA Website

03 January 2025

INVITATION TO TENDER – INDIGENOUS DEVELOPMENT OF VIS HM 12X35X30 8.8 CHROMATE (BOLT)

1. Pakistan Navy is interested in indigenous development of under mentioned item. You are being invited to forward technical and budgetary proposal for manufacturing of said item. In proposal, third party involvement/ outsourcing must be highlighted with detailed scope of work to be undertaken from the third party. Details of required item to be developed is appended below:

<u>Description of Item</u>	<u>Qty</u>	<u>Specifications</u>
VIS HM 12X35X30 8.8 Chromate (Bolt)	2000	General, Technical Specifications, & URD Drawing/ Photograph enclosed at Annexes A to D.

2. You are requested to furnish the under mentioned mandatory information (as applicable) in your quotation. Otherwise, the quotation will not be entertained:

- a. The firm's Sales Tax Registration Number/ Professional Tax Certificate.
- b. Development cost including 18% GST and all other taxes.
- c. Terms & Conditions for payments (whether advance payment, required/ not required).

3. The offer is to be submitted in Duplicate as under:

a. Three 'envelopes' should be enclosed to include Commercial Offer (Figures as well as in Words), Technical Offer and Tender Fee. These 03 envelopes should be enclosed in one cover envelope, properly sealed, bearing the address of this office clearly marked 'Quotation for Indigenous Development of **VIS HM 12X35X30 8.8 Chromate (Bolt)** Tender No and Date of opening.

b. Technical Offer: The Technical Offer should contain all relevant specifications along with technical literature/ brochure in an envelope and shall be clearly marked as 'TECHNICAL PROPOSAL' without price, tender number and date of opening. Technical proposal is to be made as per the guidelines contained in Annexes A to C to this letter, while including the following:

- (1) Methodology of Development/ Manufacturing Process.
- (2) Warranty period (minimum 12 Months).

- (3) Validity of quotation (minimum 06 months).
- (4) Mutated copy of Earnest money (Pay Order/ Demand Draft).
- (5) Project plan is to be provided.
- (6) Availability/ supportability of developed item minimum for 10 years.

c. Feasibility Study: A detailed feasibility study of the **VIS HM 12X35X30 8.8 Chromate (Bolt)** is to be undertaken by your firm and comprehensive report including but not limited to Material Composition, Technical Drawings, Design & Dimension is to be submitted along with the technical offer/ proposal against IT. **Proposals without feasibility study/ design will not be accepted.**

d. Commercial Offer: The Commercial Offer should include price quoted in Figures as well as in Words. The contents 'Commercial Offer' should be clearly marked on the envelope with Tender number and the date of Opening.

e. Tender Fee (Non-Refundable): Pay Order/ Bank Draft is to be enclosed in a separate envelope clearly marked 'Tender Fee of Indigenous Development of **VIS HM 12X35X30 8.8 Chromate (Bolt)**' in respect of "Directorate of Indigenous Technical Development Registration and Indexation Account (Account No. 4000039556 NBP, Avari Towers Branch, Karachi)" amounting on following rates:

S No	Project Cost	Tender Fee
(1)	For total estimated project cost under Rs 0.49 M	Rs. 2,500/-
(2)	For total estimated project cost from Rs 0.5 M upto 0.99 M	Rs. 4,500/-
(3)	For total estimated project cost from Rs 1 M upto 2.49 M	Rs. 7,500/-
(4)	For total estimated project cost from Rs 2.5 M upto 4.99 M	Rs.15,000/-
(5)	For total estimated project cost Rs 5 M or more	Rs. 23,000/-

f. Cheque. Pay-in-Slip and Cash are not acceptable. Tender Fee is non-refundable. Offers submitted without Tender Fee will not be considered in tendering process.

g. Earnest Money (Refundable): Earnest money in shape of Pay Order/ Demand Draft in favour of 'The Controller of Naval Accounts, 14 Liaquat Barracks, Karachi' must be submitted along with the commercial offer without which no tender will be accepted. The amount of Earnest money is given as under:

- (1) The firms registered with PN/ DITD(S) will submit 2% of the quoted value subject to maximum ceiling of Rs. 0.500 Million.
- (2) The firms non-registered with PN/ DITD(S) will submit 5% of the quoted value subject to maximum ceiling of Rs. 1.000 Million.

Note: Mutated photocopy of Earnest money (price may not be visible) is to be provided in technical offer envelope.

4. Offers are to be dropped (not later than 1100 hours on 21 Jan 25 in the Tender Box placed at ITD Wing (NRDI) or alternatively be send on Mailing Address as follows:

Directorate of Inventory Deletion
 Indigenous Technical Development (ITD Wing)
 Naval Research & Development Institute (NRDI)
 at NSSD Area, West Wharf Road
 KARACHI
 Contact No: 021-48509460 - 239

5. Technical Offer i.e. without price and commercial offer will be opened on 21 Jan 25 at 1200 hours.

6. Firm will be required to develop required items as per General/ Technical Specifications, Drawing and URD mentioned at Annexes A to D. Developing firm is to arrange inspections to be undertaken by ITD Wing & reps of End user during development process/ stages.

7. The Development Contract for local development will be awarded after approval of the case by the Competent Financial Authority.

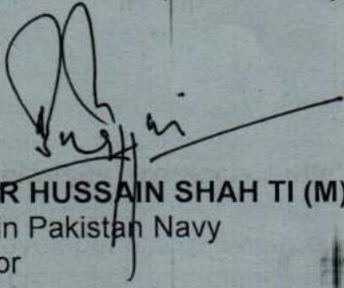
8. Point of contact for subject project in case of any query or further correspondence is Lt Muzammil Ahmed Khan PN (Tel No: 021-4859459/ 48509460, 0307-6021662).

9. Special Instructions. Special instructions are as under:

a. Developer is to clearly mention against each clause the reply regarding conformance or otherwise of that clause in 'Developer Remarks' column. **The general remarks that 'all technical or contractual clauses are acceptable' will not be considered sufficient for technical scrutiny.** The offers not conforming to the given format will be technically knocked out. The developer is to provide relevant details of all items being imported for development of project clearly mentioning the origin of items/ parts.

b. Tender document and its conditions may please be thoroughly read point by point and understood properly before quoting. All tender conditions should be responded clearly. In case of any deviation due to non-acceptance of tender conditions, the same should be highlighted along with your changed offer/ conditions.

c. Tender may however, be liable to rejection due to non-acceptance of any one or more conditions outlined by Purchaser in this IT.


AZHAR HUSSAIN SHAH TI (M)
 Captain Pakistan Navy
 Director

Annexes:

- A. General Specifications/ Requirements.
- B. Technical & Material Specifications and Acceptance/ Testing Criteria.
- C. User Requirement Document (URD).
- D. Drawings and Photograph.

ANNEX A OF IT

INV.DEL/ME/ VIS HM (BOLT)/IT/24/ 35

DATED 03 JANUARY 2025

GENERAL SPECIFICATIONS/ REQUIREMENTS

S NO	GENERAL SPECIFICATIONS/ REQUIREMENTS	DEVELOPER'S REMARKS (COMPLIED/ NOT COMPLIED)
1.	<p><u>Development/ Technical Requirements</u></p> <p>Development/ technical requirements for the indigenous development of VIS HM 12X35X30 8.8 Chromate (Bolt) is attached at Annexes B, C and D.</p>	
2.	<p><u>Maintainability Requirement</u>. Through Life Supportability (maintenances/ spares support) for satisfactory operation of the VIS HM 12X35X30 8.8 Chromate (Bolt) for at least 10 years is to be ensured by the firm.</p>	
3.	<p><u>Material Specifications</u>.</p> <p>As per specifications mentioned at Annex B and as per prescribed. Material conformation certificate to this affect is also to be provided by the firm. Same will also be confirmed/ verified from PNCTA/ other accredited Labs (if required).</p>	
4.	<p><u>Design Requirement/ Criteria for Indigenous Development</u>.</p> <p>Design details are to be proposed by the offering firm in technical offer based on information provided at Annexes B, C and D.</p>	
5.	<p><u>Documents/ Drawings</u>.</p> <p>a. Documentation, operator manuals, maintenance manuals and IPC (if applicable) will be provided by the Developer prior finalization/ completion of the project.</p> <p>b. <u>Standards</u>. The developer is to provide the copies of all standards (in English) if applicable referred to or used for development of the equipment and its accessories.</p>	
6.	<p><u>Feasibility Study</u>. Firm will be required to submit the feasibility report on the project along with its technical offer indicating details pertaining to the proposed solution in the light of user requirements. In this regard, firm can visit this office to understand the item requirement in details (if required).</p>	
7.	<p><u>Delivery Schedule</u>. Developer will deliver all stores/ equipment/ items as per contractual time/ preferable within 06 months of Contract Effective Date (CED) i.a.w contractual specifications/ requirements. Extension of delivery schedule shall remain the exclusive discretion of Purchaser.</p>	
8.	<p><u>Stage Inspections</u>. The firm will allow representatives of Purchaser to carry out stage inspections to monitor the progress of work, on 'As & When Required' basis, to verify materials and their quantities being used and check packing and transportation from factory. Schedule for stage inspections will be included in the Contract.</p>	

<p>9.</p>	<p><u>Packing Standard.</u></p> <p>a. The equipment shall be packed as per standard trade packing worthy for transportation by road so as to ensure free from loss or damages on arrival at the ultimate destination.</p> <p>b. A packing note, showing the following details, should be placed on package:</p> <ul style="list-style-type: none"> (1) Developer Part No. (2) Serial Number of Transportation Container. (3) Full nomenclature/ description. (4) Contract number. (5) Date of packing. (6) Special storage environmental conditions (if any). <p>c. All stores should be marked with broad arrow pointing upwards, by stamping, painting or tallying. Each individual item of stores must bear the pattern number to facilitate identification.</p>	
<p>10.</p>	<p><u>Terms & Conditions for Payments.</u></p> <p>a. Standard payment terms; 90% payment will be made on completion of the project and 10% upon completion of warranty period.</p> <p style="text-align: center;">OR</p> <p>In case the developing firm desires to get advance payment against Advance Bank Guarantee (ABG), payment terms will be as under:</p> <ul style="list-style-type: none"> (1) 20% advance payment against ABG or an equivalent amount valid upto completion of project. (2) 70% payment on completion of project. (3) 10% payment upon completion of warranty period (Minimum 12 months. <p style="text-align: center;">OR</p> <p>As per mutual agreement between Purchaser and Developer.</p>	
	<p>b. The developer has the provision to receive 10% final payment on completion of the project against submission of Bank Guarantee (BG) for equivalent amount which will be released on completion of warranty period.</p>	
<p>11.</p>	<p><u>Warranty/ Guaranty.</u> Warranty/ Guaranty of 01 year after final acceptance of the developed product/ item/ equipment/ store by End user (in writing).</p>	
<p>12.</p>	<p><u>Validity of Quotation.</u> The validity of quotation should be six months.</p>	

CONFIDENTIAL IN COMMERCIAL

13.	<p><u>Miscellaneous Requirements.</u> The firm will furnish the under mentioned information along with the Technical Offer:</p> <p>a. The firm's Sales Tax Registration Number.</p> <p>b. Valid National Tax Number.</p> <p>c. Professional Tax Certificate (held/ not held).</p> <p>d. The developer is to provide COST BREAKDOWN of the development cost including 18% GST and all other taxes. Financial aspects of the entire project including but not limited to following as part of Commercial offer:</p> <p>(1) Cost of complete documentation including operation/ maintenance/ manuals etc, if any.</p> <p>(2) Cost of onboard spares, if any.</p> <p>(3) Cost of maintenance tools/ equipment etc, if any.</p> <p>(4) Any other cost.</p>	
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TECHNICAL DATA/ MATERIAL SPECIFICATIONS AND ACCEPTANCE/ TESTING CRITERIA

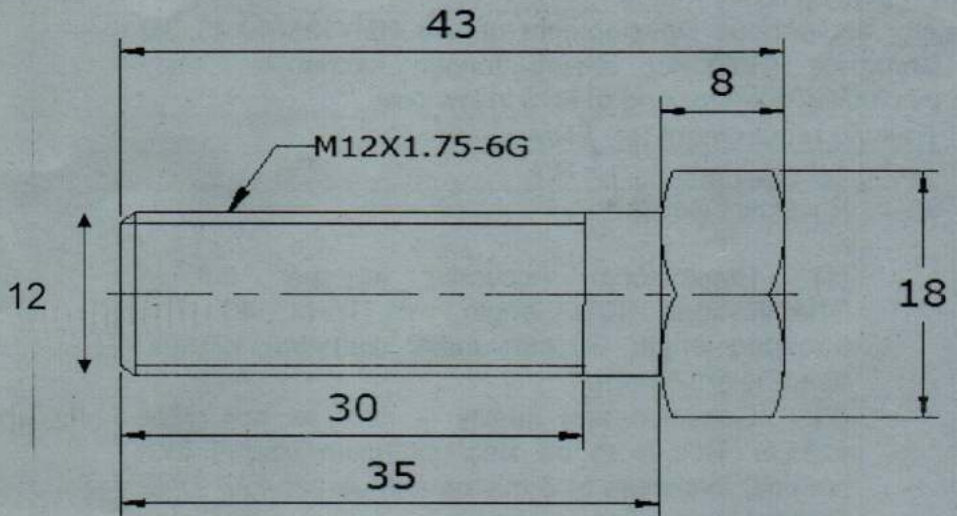
S NO	SPECIFICATIONS/ REQUIREMENTS	DEVELOPER'S REMARKS (COMPLIED/ NOT COMPLIED)
1.	<u>Technical Details.</u>	
	a. Description	VIS HM 12X35X30 8.8 Chromate (Bolt)
	b. Quantity	2000
	c. Dimensions / other physical requirement	As per URD & drawing attached.
2.	<u>Material Composition (%)</u> . Material grade complying with property class 8.8 (Carbon Steel). Moreover, Zinc/ Cadmium coating is to be carried out on finished product.	
3.	<u>Acceptance Test/ Trials.</u> Developed prototype and bulk supply will be tested as per following procedure.	
	a. <u>Testing Protocol/ Procedure for Prototype.</u>	
	(1) Firm will deliver 20 x VIS HM 12X35X30 8.8 Chromate (Bolts) being 1% of total quantity as prototypes (in addition of contracted quantity) .	
	(2) Raw material/ other tests for confirmation of material composition/ properties (including destructive testing) as per specification from ISO certified lab on firm's expense . Same can be confirmed/ verified from PNCTA Lab (if required).	
	(3) Dimensions/ size accuracy and feel finish checks will be done by Purchaser.	
	(4) Fit' Form and Function (3F) tests will be conducted with parent equipment by the End User at their respective workshop.	
	(5) Upon satisfactory acceptance test/ trials, Purchaser will render Acceptance Certificate.	
	b. <u>Testing Protocol/ Procedure for Bulk Supply.</u>	
	(1) Purchaser will inform to firm for development of bulk production after acceptance of prototype.	
	(2) Firm will produce bulk supply and inform the Purchaser for stage inspection at firm's premises.	
	(3) Purchaser will randomly pick/ collect 20 x VIS HM 12X35X30 8.8 (Chromate) Bolts from firm's premises for dimensions/ size accuracy and feel finish checks & Fit' Form and Function (3F) testing with parent equipment.	
	(4) Upon satisfactory test/ trials & acceptance, Purchaser will render Acceptance Certificate for delivery of bulk supply and final payment to firm.	

	<p>(5) Firm will be liable/ bound to provide bulk production of successfully developed/ contracted product to PN in future through PN Procurement/ Supply Channel for another 10 years, after completion of this contract as and when required by PN.</p>	
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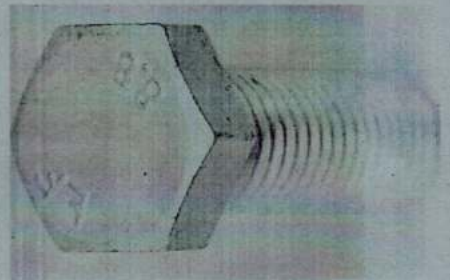
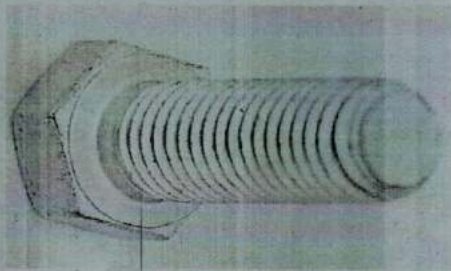
USER REQUIREMENT DOCUMENT (URD)

S No	Specifications/ Requirements	DEVELOPER'S REMARKS (COMPLIED/ NOT COMPLIED)
1.	<u>Introduction.</u> VIS HM 12x35x30 8.8 Chromate (Bolt) used in Propulsion Motor Fitting.	
2.	<u>Aim.</u> Indigenous Development of VIS HM 12X35X30 8.8 Chromate (Bolt) for saving foreign exchange, timely availability and stocking of item in low cost.	
3.	<u>Training requirement (s).</u> N/A	
4.	<u>Technical assistance.</u> N/A	
5.	<p>a. <u>Physical Checks</u></p> <p>(1) Dimensional Accuracy as per defined Specifications (total length with head: 43 mm, threaded length: 30 mm, major diameter: 12 mm, head height 8 mm).</p> <p>(2) Condition and quality of item as per OEM sample. Bolt is to be zinc/ cadmium coated with nominal thickness of 3 micrometer as per ISO 4042 standard.</p> <p>(3) The acceptance will be based on specifications and dimensions as well as original sample.</p> <p>(4) Manufacturing quality (product finish etc) will be ascertained during stage inspection(s).</p> <p>(5) Provision of raw material for lab test/ analysis or lab reports from ISO certified/ accredited lab to verify material class property i.e 8.8(carbon steel).</p> <p>b. <u>Functional Checks</u></p> <p>(1) The prototype will be accepted on the developer's guarantee that the sample found not conforming to required Standards (quality/ specifications etc) will be taken back for removal of defects or replacement, as necessary, entirely at firm's own cost and expense.</p> <p>(2) The prototype will be tested by End user for Site Acceptance Trials (SATs). The final acceptance will be given i.a.w Test and Acceptance Criteria.</p>	
6.	<u>Warranty.</u> 01 year	
7.	<u>Any other detail/ requirement.</u> Nil	

DRAWING AND PHOTOGRAPH



VIS 12x35x30



HBL

HABIB BANK

حیب بینک

Deposit Slip Customer Copy

Branch: _____										Date: <u>08/01/2025</u>	
Account Title: <u>اکاؤنٹ ہولڈر کا نام PPRA</u>											
IBAN: <u>PK17HABB0004540013100701</u>											
Currency: <input type="checkbox"/> PKR <input type="checkbox"/> USD <input type="checkbox"/> EURO <input type="checkbox"/> GBP <input type="checkbox"/> JPY <input type="checkbox"/> Others						<input type="checkbox"/> Intercity <input type="checkbox"/> Within city <input type="checkbox"/> Same Branch					
Credit Card No. _____											
<input type="checkbox"/> CASH نقد										AMOUNT رقم	
BANK / BRANCH						CHEQUE/INSTRUMENT NO. چیک نمبر			15000		
TOTAL AMOUNT						مجموعاً			15000		
Total Amount in Words: <u>Fifteen Thousand only</u> مبلغ											
Depositor's Name <u>Zahir Khan</u>						Commission (if any) <u>Online Cash Deposit</u>					
Contact No. <u>03442608784</u>						Branch: <u>0786-HBL PLAZA BR, KARACHI</u>					
Depositor's CNIC No. <u>421019090950-7</u>						Account: <u>PUBLIC PROCUREMENT</u> Date: <u>2025-01-06</u>					
(For non-HBL/Walk-in Customers: Also attach CNIC Copy)						IBAN: <u>PK17HABB0004540013100701</u>					
Depositor's Account No. _____						Amount: <u>*****15,000.00</u> PKR					
(For HBL Customers / Account Holders)						Charges: <u>*****719.00</u>					
						Teller: <u>HT54 153</u> Time: <u>13.19.28.761000</u>					
Received By: <u>دوسون کنڈرو</u>				Depositor's Signature: <u>دستخط صاحب کنندہ</u>				(As per Terms & Conditions on reverse) (Not official unless validated)			

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