



Government of Pakistan
PAKISTAN ORDNANCE FACTORIES
TENDER ENQUIRY

To

Dear Sirs,

Reference : TENDER ENQUIRY NO. 0074 / HVN / FP / 50 / Capt. DATED:- 9-2-2021

You are requested to submit quotations for the items noted in the schedule to the tender. Offers should be sent duly sealed in an envelope. Please note the following instructions for filling the tender:-

1. SUBMISSION OF TENDER

- 1.1 Tenders (**Technical Part/Offer**) will be opened at **1030 hours on 30-3-2021 and must reach in the office of incharge Bid Centre POF Wah Cantt upto 1000 Hrs.** The tender received late will not be entertained. You may witness the opening of the tender if you so desire. If a representative is deputed, he should bring a letter of authority from you.
- 1.2 Procurement method is single stage two envelope as per PPRA Rules 36 (c), therefore bids/offers must be quoted as per TE clause 2.2 instead of 2.1. The outside of the envelope should be inscribed with:-

Tender Enquiry No: 0074 / HVN / FP / 50 / Capt DATED:- 9 - 2 - 2021

Tender to be opened on: 30-3-2021

Address as follows:-

INCHARGE BID CENTER
PAKISTAN ORDNANCE FACTORIES
WAH CANTT (PAKISTAN)

Though:-

I/C CR
POF WAH CANTT

- 1.3 If envelope does not indicate reference of TEs or received late the same will be returned un-opened.

2. GENERAL INSTRUCTIONS REGARDING PREPARATION OF QUOTATIONS

- 2.1 For materials, the prices should be filled in column 5 and delivery date in column 6 of the schedule to this Tender Enquiry. The undertaking should be signed at the bottom of the schedule which shall form the Quotation. You may use a separate sheet if necessary.

2.2 For Plant and Machinery/Material/Store, you are required to quote in two parts:-

Part I "Technical Offer": It should exclusively give technical details/specification/parameters and literatures/ brochures of the offered plant, machinery, equipment, material and store; validity date; delivery schedule; and signed undertaking given on the schedule to this Tender Enquiry. It must not indicate price, costs etc.

Part II "Commercial Offer": It should indicate the commercial terms e.g. price, terms of payment, mode of payment, mode of supply.

Each part should be placed in a separate sealed cover. The envelopes should be inscribed with Part I "Technical Quotation without Price" and Part II "Commercial Quotation with Price".

- 2.3 The quotation must remain valid for, at least 90 days from the date of opening of tenders.
- 2.4 The quotation should hold good for any reduced or enhanced quantities without notice.
- 2.5 In the event of non-acceptance of offer, intimation may be given to the Tenderers on their request.
- 2.6 Conditional Offers or alternative offers are likely to be ignored.
- 2.7 Quotations should be based on FOB. The consignment will be shipped through Pakistan National Shipping Corporation (PNSC). In case there is no PNSC service in the country of shipping, please quote on C & F basis. The freight should be indicated separately. Insurance premium should not be included in the quoted price. However, where insurance is considered necessary, advice to that effect should be given in the quotation.
- 2.8 Submission of the offer through an agent in Pakistan should be avoided. In case it is considered inevitable, the agent's quotation must invariably be accompanied by the original proforma invoice from the principals/manufacturers.
- 2.9 Country of origin and port of shipment to be stated.
- 2.10 The offer of principal must clearly indicate whether the rate quoted is inclusive of agent's commission, and if inclusive rate of commission included be specified.
- 2.11 Supplier will render necessary information regarding hazardous effect on environment, of the materials/products supplied by them, in their quotation and shipping/dispatch documents.
- 2.12 If the requisite information is not furnished on the T.E. form or offer received is not in conformity with the requirement of the T.E such offer shall be ignored.

3. INSPECTION

- 3.1 Supplies shall be subject to the inspection and acceptance by the competent inspection authority nominated by the Purchaser, who will arrange it at his own cost. Inspection facilities such as tools, test equipment, instruments etc will, however, be provided by the suppliers in accordance with the relevant specifications.

- 3.2 Where considered necessary by the Purchaser, the stores may be obtained on Warranty/Guarantee subject to inspection on receipt. Rejected stores will be removed and replaced with the acceptable stores by the Supplier at his own expense, with in specified time.

TENDER SAMPLE

- 3.3 Where required offer must accompany tender sample, strictly according to the description given in Tender Enquiry. Offer not accompanied by tender sample will not be entertained excepting, the established and reputable firms who have either previously satisfactorily supplied the same or similar stores or have submitted an acceptable samples thereof against previous T.E.

4. ACCEPTANCE OF OFFERS

- 4.1.1 The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, but is not required to justify those grounds
- 4.1.2 Procuring agency shall incur no liability, solely by virtue of its invoking sub-rule (1.1) towards suppliers or contractors who have submitted bids or proposals.
- 4.1.3 Notice of the rejection of all bids or proposals shall be given promptly to all suppliers or contractor that submitted bids or proposal.

4.2. PERFORMANCE BOND

The successful bidder will provide Performance Bond at the rate of 10% of F.O.B value of the contract in favour of Controller Military Accounts (CMA) Wah Cantt (Pakistan). The Performance Bond will be furnished in the form of Deposit AT Call Receipt from any scheduled bank in Pakistan or an unconditional bank guarantee on prescribed proforma(attached as Anex "B") covered by any scheduled bank in Pakistan. The Performance Bond shall be furnished within 45 days from the date of opening of Letter of Credit. It shall be valid for a period of 2 year after successful FAT.

4.3 FAILURE TO SUPPLY THE STORES

All deliveries must be completed by the specified dates. If the failure to deliver the stores within the scheduled time should have arisen from "Force Majeure", which the purchaser may admit as reasonable ground for further time, he will allow such additional time as he may consider to have been required by the circumstances of the case. Otherwise, he will be entitled, at his discretion, to cancel the contract; and/or claim liquidated damages upto 2% but not less than 1% of the contract price of the items and their quantities for each and every month or part of a month, beyond the specified delivery date, during which these may not be delivered, subject to a maximum of 10% of the total contract value; or, to purchase from elsewhere, the unsupplied stores at the risk and cost of the supplier.

4.4 PAYMENT

Payment to the supplier will be made by means of an irrevocable letter of credit.

However the payment terms will be 70% of FOB value against PSI Certificate & shipping documents and remaining 30% amount to be released after satisfactory commissioning, trial run and FAT of the unit.

All Bank charges incurred in Pakistan in connection with the establishment of L.C will be borne by the purchaser, whereas all Bank charges incurred in connection with drawing of payment including charges for confirmation of L.C. by the advising Bank / Foreign Bank will be borne by the Supplier.

5 SECURITY OF INFORMATION.


The tenderer and his employees must not communicate any information relating to the sale / purchase of stores under this enquiry to any person other than the manufacturer or to any press or agent not authorized in writing by POFs to receive it.

Please return the schedule to the tenderer duly signed by the specified date, along with the specifications, drawings etc., if any, enclosed herewith – even if you are unable to quote.

WARNING

In case the firm abstain from making offers or fail to return/acknowledge the tender form by the specified date on three consecutive occasions, no further Tender Enquiry may be issued to them and their names would liable to be removed from the approved list.

Yours Faithfully



(Pervez Ahmed)

MANAGING -DIRECTOR.
PAKISTAN ORDNANCE FACTORIES

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PAKISTAN ORDNANCE FACTORIES

SCHEDULE TO TENDER NO. 0074 / HVN / FP / 50 / Capt. DATED:- 9-2-2021

FOR MATERIALS / STORE

(1)	(2)	(3)	(4)	(5)		(6)
Item No	Description with Specs. Etc.	Unit	Qty	Price Per Unit FOB / C & F		Delivery Date
				In Figures	In Words	
01	Pusher Type Centrifuge for Nitrocellulose	No	01			

2) For Plant & Machinery: }
 Specification:- } Annex " A" (Attached)

(3) **Special Conditions:-**

- a. Quotation submitted on Schedule to T.E must be signed/stamped.
- b. Quotation Strictly according to our requirement, specification and TE term and conditions. Quote all parameter of specification and the bid being technically deviated from any parameter of the specification shall be out-rightly rejected.
- c. Store will be supplied in standard packing.
- d. Offer should be on C&F Karachi basis showing sea freight charges separately
- e. Offer should only be forwarded if the supplier has authorization/Export permit for export of store.
- f. **All Chinese and Hong Kong based firms must quote rates in RMB (Chinese Yuan) and rates in other currency will not be entertained.**
- g. Suppliers are required to sign Annexure-D attached to this TE document regarding Declaration of Fees, Commissions, and Brokerage etc, paid or intended to be paid by them of Goods, Services and Works in case of exceeding more than US\$ 50,000 (or its equivalent in other foreign currency) in value

(4) **Undertaking**

Should our offer be accepted, we hereby undertake to supply the stores/render the services contracted on the basis of General conditions of contract embodied in Form POF 1282, and to deposit the performance bond within the prescribed time, failing which it will constitute a breach of contract, and POF will have the right to purchase the stores/services elsewhere at our risk and cost.

Place _____
 Date _____

Signature of Tenderer _____
 Name _____
 Position _____
 Address _____

SPECIFICATION

1	Nomenclature	Pusher Type Centrifuge for Nitrocellulose (Qty: 01No)	
2	Nitrocellulose Slurry		
a	Inlet Parameters		
	Sr.#	Description	
		Parameters	
	i	Slurry Media	Water & Nitrocellulose fines
	ii	Flow rate of NC circulation pump	1800 lit/min (fully controlled with return bypass loop or closed circulation)
	iii	Mass flow rate of slurry at the inlet of centrifuge	Adjustable between 50 to 55 kg/min
	iv	NC slurry temperature	10 to 45 °C
	v	Consistency of NC slurry	10 to 20% (based on bone dry NC)
	vi	pH of NC slurry	7 - 9
	vii	Density of Nitrocellulose	1.65g/cm ³
	viii	Working pressure at the inlet of centrifuge	0.5 to 2 bar (g)
	ix	Pulp fineness of NC	60 to 90 ml according to specification MIL-DTL-244C
	x	Type of Nitrocellulose	Military Grade (Nitrogen Contents 11.75 – 13.30%)
	xi	Viscosity	1.9 – 9.0 'E
	xii	Mean fibrillation of NC fines	100 to 710 microns
b	Output Parameters Required		
	i	Type of centrifuge	Continuous Pusher Type De-watering Centrifuge
	ii	Capacity (Based on feeding consistency 10 to 20 %)	A. 8.0 M/T of NC per day or 334kg/hr based on (Dry weight) OR B. 11.50M/T of NC per day or 480kg/hr based on wet basis (absorb moisture 28-32%)
	iii	Required absorb moisture after centrifuging	28-32% max
	iv	Maximum allowable concentration of NC in drain water / effluent water	0.5 to 1.0 kg/m ³
	v	Recovery Efficiency	≥ 99.0% (Based on feed of NC having 60ml pulp fineness)
3	Infrastructure and Material of Construction		
	a	Diameter of feeding pump outlet line	127mm
	b	Centrifuge will be installed along with existing units on new RCC floor (LxWxH)	4.87x4.87x3.50 m
	c	Construction material	All parts in contact with NC slurry should be made of stainless steel (316L or equivalent) Or any equivalent latest compatible material.
4	Accessories and Required Features		
	a	Robust design to guarantee long service life.	
	b	Anti-vibration Mounting.	
	c	Basket cleaning and flushing system.	
	d	Both Automatic and Manual feed slurry control system.	
	e	The system should be capable to remove / avoid choking issue.	
	f	All electrical motors, accessories & I&C should follow standard IP-65 protection or relevant European standard for functioning in explosive environment.	

5. GENERAL CONDITIONS:

- 5.1. All components/ parts of entire unit should confirm safe operation in explosives and flammable dust hazard working environment.
- 5.2. Unit should be designed in such a manner that the man involvement should be minimum when machine is in operation.
- 5.3. For emergency shutdown of machine, a suitable emergency shutdown system should be provided to switch off machine immediately.
- 5.4. Noise level of the machine must not be greater than 80 dB.

6. CLIMATIC CONDITIONS:

- Temperature range : -3 to 50°C
- Atmospheric Relative humidity : 25 – 100%
- Earthquake Value : 8.0 on Richter scale

7. AVAILABLE UTILITIES:

Following utilities are available at site:-

- Electricity 380 - 400 volts, 50 Hz, three phase.
- Electricity 220 – 230 volts, 50 Hz, single phase.
- Raw Water at 3 bar.
- Steam at 6 bar pressure.
- Compressed air at 4 bar at site.

8. SCOPE OF SUPPLY:

Hardware (Mechanical & Electrical)

The following hardware should be included in the supply.

- 8.1 Erection material such as steel structure for supporting of machinery & piping etc.
- 8.2 Cables required for electrical installation.
- 8.3 Start / Stop control station for all motors (with ampere meters) etc along-with perforated cable trays for power & instrumentation and mounting accessories.
- 8.4 All valves, interconnecting piping, fitting, gaskets, couplings, bolts & nuts.
- 8.5 Consumable required during installation of machinery.
- 8.6 All motors, gears and electrically driven accessories should be intrinsically safe, explosion proof, flame proof & or with best IP rating IP = 65.

9. TECHNICAL SUPPORT:

- 9.1 The supplier shall confirm that after installation of the Pusher type Centrifuge for Nitrocellulose, there should be continuing technical support as and when required by the purchaser. In addition, the purchaser shall be kept informed regarding latest advancement in the related technology for further improvement in the process for a period of 15 years, commencing from the date of installation of machine.
- 9.2 It shall be guaranteed that spares shall be available for at least 15 years after successful installation of the machine.

10. SPARES:

- 10.1 02 years necessary mechanical, electrical and instruments spares rendering the centrifuge functional during warranty period should be included with item wise price.
- 10.2 Supplier shall guarantee that all mechanical, electrical and instrument spares, would be available for a period of 15 years on payment after commissioning of the unit as and when required.

11. **PSI AND TRAINING AT FIRMS PREMISES:**

- 11.1 Pre Shipment inspection (PSI) and Training team comprising of 02 officers/officials will perform Pre Shipment Inspection of the store and training for a period of 01 week at firm premises. In this regards all the Air Tickets, Boarding, Lodging and Inland Travelling expenses will be borne by supplier.
- 11.2 Scope of PSI: The team will inspect centrifuge in respect of material of construction, electrical & instrumentation specifications, spares quality/quantity .Test certificates of items integrated in the unit.
- 11.3 Shipment of store shall be undertaken after acceptance / authorization by PSI team.
- 11.4 Training: Training shall be provided to 03 x officers / officials for 01 x week at firm premises cover all necessary aspects of operation, process, safety and maintenance of centrifuge.

12. **DOCUMENTATION:**

The supplier will provide relative technical data (4 copies each in English language) including the following:

- 12.1. Detailed drawings & specifications of the machinery.
- 12.2. Detailed erection drawings and civil structure designs.
- 12.3. Specifications of materials not included in the supplies but necessary for integration of the offered machinery.
- 12.4. Maintenance and services manuals of the machinery.
- 12.5. Safety and labour protection instructions.
- 12.6. Comprehensive operating manual.
- 12.7. Piping and Instrumentation (P&I) Drawings.
- 12.8. Detailed electrical & instruments connecting diagrams.

13. **ERECTION INSTALLATION. TRIAL RUN & FINAL ACCEPTANCE TEST OF MACHINERY:**

- 13.1. The purchaser personnel's under the working supervision of the supplier's engineer & technicians shall install the machinery.
- 13.2. The machinery will be commissioned and trial production will be carried out by seller's engineers. Purchaser shall provide the required number of operators & technicians for the installation, commissioning & trial run.
- 13.3. The supplier should indicate the total man-weeks of his engineers / technicians required for the installation, commissioning and trial run of the machinery. All expenses including boarding, lodging, traveling & daily allowances of the supplier's engineers / technicians shall be borne by the supplier. However local transport will be arranged by the purchaser.
- 13.4. The supplier shall provide time schedule for completion of the installation, commissioning and trial run.
- 13.5. Final Acceptance Test (FAT): After successful installation & commissioning of the centrifuge, FAT will be started. The output of the centrifuge will be confirmed qualitatively and quantitatively as per following criteria.
 - a. Capacity (based on feeding consistency 10 to 20 %) 8.0 M/T of NC per day or 334kg/hr based on Dry weight)

OR

11.50M/T of NC per day or 480kg/hr based on wet basis (absorb moisture 28-32%)

- b. Required absorb moisture after centrifuge = 28-32% max.
- c. Recovery Efficiency \geq 99.0% (Based on feed of NC having 60ml pulp fineness).
- d. The quantitative basis for 05 working days is (120 hrs nonstop).

14. **COUNTRY OF ORIGIN:**

European, UK, USA & China OEMs are eligible.

15. PAYMENT TERMS:

Payment to the supplier will be made by means of an irrevocable letter of credit.

However the payment terms will be 70% of FOB value against PSI Certificate & shipping documents and remaining 30% amount to be released after satisfactory commissioning, trial run and FAT of the unit.

16. PERFORMANCE BOND:

Performance bond to the extent of 10% of the value of the contract shall be provided by the supplier in the form of bank guarantee within 45 days of opening of letter of credit. This shall remain valid for 02 year after successful FAT.

17. WARRANTY GUARANTEE:

- 17.1 The supplier will have to provide warranty / guarantee for a period of two year smooth functioning of the unit, including free of cost supply of spare parts as and when required.
- 17.2 In case the stores on checking / test after receipt at Consignee's warehouse are found not conforming strictly to the relevant specification and other particulars are found damaged during transit, the Supplier shall Immediately replace the rejected/damaged stores by acceptable stores, free of cost, and without any obligation to the Purchaser. Rejected / damaged stores shall be disposed off by the Supplier under his own arrangements.
- 17.3 The supplier shall warrant the good quality of all equipment supplied against all defects or failures due to faulty design, material, or workmanship.
- 17.4 The supplier shall also provide Guarantee for meeting the requisite quality and quantity of products. In case of any deficiency in term of quality or quantity of products, all related expenditure to fulfill commitment shall be borne by the supplier.
- 17.5 Two year warranty / guarantee period will be started from the date of satisfactory conclusion of FAT.

NOTE:

POF shall deal with the supplier directly without involvement of any agents. The purchaser shall pay no agency commission.

**BANK GUARANTEE FOR PERFORMANCE ON
OR AS SUITABLE TO THE AMOUNT OF BG.**

- (i) Contract No. _____ date _____
- (ii) Name of Firm/Contractor _____
- (iii) Address of Firm/Contractor _____
- (iv) Name of Guarantor _____
- (v) Address of Guarantor _____
- (vi) Amount of Guarantee Rs. _____
(_____)
(in words)
- (vii) Date of Expiry of Guarantee _____

TO:

The President of the Islamic Republic of Pakistan through the Controller of Military Accounts POF Wah Cantt.

Sir,

1. Whereas your good self have entered into Contract No. _____
_____ dated _____
with Messer _____
(Full Name and Address)

hereinafter referred to as our customer and that one of the conditions of the Contract is the submission of unconditional Bank Guarantee by our customer to your goodself for a sum of Rs. _____

Rupees/FE (as applicable) _____

2. In compliance with this stipulation of the contract, we hereby agree and undertake as under:-
- a) To pay to you unconditionally on demand and/or without any reference to our Customer an amount not exceeding the sum of Rs. _____

Rupees or FE (as applicable) _____ as would be mentioned in your written Demand Notice.

- b) To keep this Guarantee in force till _____
- c) That the validity of this Bank Guarantee shall be kept two clear year ahead of the original/extended delivery period or the warrantee of the stores which so ever is later in duration on receipt of information from our Customer i.e. M/s. _____ or from your office. Claim, if any must be duly received by us on or before this day. Our liability under this Bank Guarantee shall cease on the closing of banking hours on the last date of the validity of this Bank Guarantee. Claim received thereafter shall not be entertained by us whether you suffer a loss or not. On receipt of payment under this guarantee, this document i.e. Bank Guarantee must be clearly cancelled, discharged and returned to us.
- d) That we shall inform your office regarding termination of the validity of this Bank Guarantee one clear month before the actual expiry date of this Guarantee.
- e) That with the consent of our customer you may amend/alter any term/clause of the contract or add/delete any term/clause to/from this contract without making any reference to us. We do not reserve any right to receive any such amendment/alternation or addition/deletion provided such like actions do not increase our monetary liability under this Bank Guarantee which shall be limited only to Rs. _____ (Rupees _____)
- f) That the Bank Guarantee herein before given shall not be affected by any change in the constitution of the Bank or Customer/Seller or Vendor.
- g). That this is an unconditional Bank Guarantee, which shall be encashed on sight on presentation without any reference to our Customer/Seller or Vendor.

Guarantor

Dated _____

Bank Seal and Signatures



WARRANTY / GUARANTEE CERTIFICATE

Firm's Name:-

Contract No:-

We hereby guarantee that the goods supplied against the above contract are in all respect in accordance with the relevant specification and term of the contract and that the materials used. Whether or not of our manufacture are in accordance with the latest approved standard specifications complete, are of good workmanship/quality throughout, and that we shall replace free of cost, every article or part thereof which before use or in use, shall be found defective, or not within the limit and tolerance of specification requirements, are in any way not in accordance with the terms of the contract.

2. In case of our failure to replace the defective stores free of cost within the period specified by the Purchaser, we will refund the relevant cost.

3. The Warranty/Guarantee will remain valid for 24 month after the receipt of stores by the consignee/installation of the equipment.

Signature. _____

Name. _____

Status in the Firm. _____

Date. _____



**DECLARATION OF FEES, COMMISSIONS AND BROKERAGE ETC:
PAYABLE BY THE SUPPLIERS OF GOODS, SERVICE AND WORKS**

M/s. ----- [The Seller /Supplier) I hereby declares its intention not to obtain or induce the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing, [the Seller/Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever from GoP, except that which has been expressly declared pursuant hereto.

[The Seller/Supplier] certified that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[The Seller/Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Not with standing any rights and remedies exercised by GoP in this regard, [the Seller/Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [the Seller/Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever from GOP.

SIGN _____
SEAL _____