

30002/DTK/19 TF/ENQ-48/E3ES

05 Feb 2022

**FOR ATTENTION OF ALL BIDDERS**

There is an important instruction regarding place of submission of Bid due to lockdown and restricted movement of goods and services across the border, in view of Covid-19 on page No 4 of this RFP, amending the clause 2 of this RFP to that Extent.

**INVITATION OF QUOTATION FOR SUPPLY OF MISCELLANEOUS STORES  
(AUTOMATED LATHE MACHINE)**

Dear Sir/Madam,

**INVITATION OF QUOTATION**

1 This Project requires stores as per Appendix 'A' accordingly invites OTE for the purpose. **The RFP can be downloaded from CPP Website : <https://eprocure.gov.in/eprocure/app>. The Consignor can submit their offer by downloading the enquiries and sending it by Speed Post/Courier/Hand.**

2 Quotations are invited in physical form containing 'T'-Bid (Technical bid) as per Appx 'B' and 'Q'-Bid (Price Bid) as per Appx 'C' for the above items. Please note that quotation will be received by the **Headquarters Chief Engineer (P) Dantak, C/o 99 APO upto 1700 Hrs (BST) on 26 Feb 2022. 'T'-Bid will be opened on 03 Mar 2022 at 1200 Hrs (BST). After opening of 'T'-Bid and its evaluation 'Q'-Bid will be opened for the successful bidders on 05 Mar 2022.**

3 Firms or their duly Authorized representative who have submitted their quotation and who wish to be present at the time of opening of quotation may visit the office of **Headquarters Chief Engineer (P) Dantak, C/o 99 APO** at the above mentioned time and date for viewing the quotation opening process.

4 Bidding procedure shall be single stage-two bid system and bid documents are to be prepared in two parts as under:-

- Part-I (Technical Bid : 'T' Bid) at Appendix 'B'.  
Part-II (Price Bid : 'Q' Bid) at Appendix 'C'.

5. **Part-I Technical Bid ('T' Bid): Appendix 'B'**

5.1. The technical bid comprising of the following details shall be forwarded in a separate envelope by the OEM/ Authorize dealer of OEM/ Authorize distributor of OEM mentioning the Name of the firm, Enquiry reference and Date of opening etc on top of the envelope.

(a) Details such as Name of firm, Address Contact number GSTIN number, Email, PAN No and other Registration details with HQ DGBR / Project Dantak / Any other BRO Project / Ministry of Defence Govt of India / Govt of Bhutan as per format enclosed at Appendix 'B' to the enquiry be provided. Original Manufacturers, PSUs and Consignor enlisted with Central Purchase Organization and National Small Industries Corporation also to provide details of their registration in Appendix 'B'.

(b) In case if the firm is not enlisted / Registered with HQ DGBR or Project Dantak as a registered contractor/ consignor or with Ministry of Defence Govt of India or Govt of Bhutan or CPO or NSIC, details of EMD alongwith original copy of EMD be provided as per Ser No 9 of Appx 'B'. PSUs, Original Manufacturers, Original Manufacturers of Bhutan registered with Dantak/ HQ DGBR/ RGoB are exempted from submission of EMD on producing of necessary document/certificates, in this regard.

(c) Firm/ consignor should have completed minimum one supply order of similar items to any Govt agency/BRO projects in last three years w.e.f the date of this enquiry are eligible. Copy of such supply order to be mandatorily enclosed with 'T' Bid failing which the firm will not be considered for opening of 'Q' Bid.

(d) The intending Bidder, in case of Original Equipment manufacturers shall submit a self-declaration on their letter-head, along with the Tech Bid, confirming that they are regular in manufacturing & supplying the similar machines, as asked in this tender, for the last Ten (10) years.

(e) The intending Bidder, in case of Authorized Distributor of OEM/ Authorized Dealer of OEM shall possess valid Authorized Distributorship/ Dealership license from OEM and to be engaged in regular supply of similar machines for the last ten (10) years. Also the Authorized Distributor/ Dealer shall be associated with OEM on the basis of which the said tender is participating, for the last three years. The Bidder shall enclose the copies to substantiate their engagement in supplies for the goods for which the above said tender is being issued, for the last ten years and associated with OEM for the last three years. The copy of the same to be enclosed in Tech bid while submitting the tender.

(f) Items will be supplied to Bhutan thus the OEM/ PSU/ Authorize dealer of OEM/ Authorize distributor of OEM shall be responsible for export and all expenditure incurring or customs, including handling charges at nominated ports will be born by the firm.

5.2 Eligibility Criteria for Technical Evaluation

5.2.1 The manufacturers/ consignor who have submitted the following documents in their 'T' Bid will only be eligible technically and for opening of their 'Q' Bid:-

- (a) Fulfillment of criteria & submission of documents as laid down at Para 5.1,
- (b) Complete details as per Appendix 'B' of enquiry.
- (c) Enlistment / Registration details with HQ DGBR / Project Dantak / Ministry of Defence, Govt of Bhutan/CPO/NSIC be clearly mentioned or EMD be submitted by non enlisted/non registered firms. EMD shall be deposited in case if the dealer/ distributor/ consignor is registered with any other Project of BRO.
- (d) Original manufacturers of Bhutan will have to submit EMD in case if they are not enlisted/ registered with HQ DGBR/Project Dantak or Government of Bhutan.

5.3. The bidder should meet all the technical evaluation criteria in order that the bid is considered to be technically responsive and the bidder qualifying to have its commercial bid opened.

6. Part-II Price Bid ('Q' Bid): Appendix 'C'

6.1 The price bid ('Q' Bid) shall be forwarded in a separate envelope by the OEM/ Authorize consignor of OEM/ Authorize distributor of OEM duly mentioning the name of the firm, Enquiry reference and date of opening on top of the envelope.

6.2. Part-II Price Bids ('Q' Bid). Price Bid shall be quoted by bidder as per the format attached as Appendix 'C'.

6.3. 'Q'-Bid evaluation. Price Bid of non qualified bidders, based on evaluation of 'T' Bid, will not be opened.

6.4 Price Bids shall only be furnished in attached format forming part of the bid documents.

7. OEM/ Authorize dealer of OEM/ Authorize distributor of OEM 'T' Bid and 'Q' Bid be submitted in two separate envelopes duly superscribed and both these sealed covers are to be put in a bigger cover which should be sealed and duly superscribed. Consignor/ bidders who offer the Enquiry documents of 'T' Bid and 'Q' Bid in a single envelope will be rejected. On top of both 'T' Bid and 'Q' Bid, details such as Name of Manufacturer/ consignor of the items, Enquiry Reference and date of opening etc will be mentioned clearly.

8. No conditional offer other than conditions mentioned above will be entertained.

9. The complete expenses on preparation and submission of quotation shall be borne by the firms and it shall have no claim on this account.

Earnest money and security deposit.

10. Manufacturer/Firms who are NOT enlisted as per Para 5.1 (b) of this RFP will have to submit Earnest Money of Amount in Rs 56,000/- (Rupees Fifty Six Thousand Only) in the form of fixed Deposit receipt, or Bank guarantee from any of the commercial banks drawn in favour of Chief Engineer, Project Dantak payable at SBI Hasimara having validity/maturity period of Six Months and will be enclosed with Technical Bid. Earnest Money of un-successful firms/ consignors shall be returned to them immediately on placing of Supply Order. The EMD will be forfeited if the bidder withdraws or amends, impairs or derogates from the tender in any respect within the validity period of their tender.

11. Performance Security Deposit. Performance Security deposit in the form of Bank Garrantee or Demand Draft should be submitted by your firm @ 3% of the value of Supply Order amount within 30 days of receipt of the Supply Order, to HQ 19 BRTF, Phuentsholing. The Fixed Deposit Receipt or Bank Guarantee Bond be prepared having validity/maturity period of six months in favour of HQ 19 BRTF Payable at SBI, Hasimara. On receipt of Performance Security, the EMD will be returned to the firm. The performance Security will be released after one month of release of completed payment against the supply order. If required, the extension of validity of performance Security Deposit will be sought accordingly. Original Manufacturers/PSUs/Approved Producers and the firms who are enlisted with HQ Project Dantak or HQ DGBR are exempted from deposition of Performance Security Deposit.

(a) Clause for Evaluation of L1. To determine the L1, the quoted rates of consignor who have been found technically "Substantially Responsive". 'Q' Bid shall be evaluated as under:-

(i) Ranking of the commercial bid will be based on the lowest cost of each items which will comprise of Basic Cost of item, Freight insurance, except levies, Taxes and Duties levied by Central/State Local Govts such as Octroi/Entry Tax, etc as quoted by the Bidder in his 'Q' Bid. All these elements shall mandatorily be indicated separately.

(ii) Any Taxes and Duties not mentioned clearly in 'Q'-Bid will not be counted and the Bidder shall not have any claim on account of such omissions on his part.

(iii) **GST/Sales Tax are not applicable for Project Dantak.** Sales tax exemption certificate will be issued to consignor. For any query regarding exemption of GST on import of goods and services from India to Bhutan, kindly refer to the following websites for detail information.

(aa) [www.cbec.gov.in/htdocs-cbec/gst/index](http://www.cbec.gov.in/htdocs-cbec/gst/index).

(ab) [www.cbec.gov.in/resources/htdocs-cbec/gst/notfctn-42-igst-rate-english.pdf](http://www.cbec.gov.in/resources/htdocs-cbec/gst/notfctn-42-igst-rate-english.pdf)

(ac) [www.cbec.gov.in/resources/htdocs-cbec/gst/notfctn-300CGST-rate-english.pdf](http://www.cbec.gov.in/resources/htdocs-cbec/gst/notfctn-300CGST-rate-english.pdf)

(iv) **For Indian Consignor only.** As supply to Project Dantak located outside India, no GST is applicable. Indian consignor / Bidder shall attach undertaking certificate as per the following format mandatorily:-

**UNDERTAKING CERTIFICATE**

"It is certified that the goods / materials given in the Enquiry No 30002/19TF/DTK/ENQ- / E3ES dt \_\_\_\_\_ 2022 of HQ CE (P) Dantak will be supplied by me / our firm as export and for use in Bhutan. It is declared that no GST cost has been included by me in the rates quoted in above mentioned enquiry".

Signature with date :  
Name of the bidder :  
Name of firm with address:

(v) Certificate on account of GST as per Rule No 16 (1) of IGST Act 2017 will be issued on receipt of stores as format of certificate is as given under:-

**GST : ZERO RATED SUPPLY CERTIFICATE**

1. It is certified that the goods supplied by your firm against SO No 30003/DTK/19TF/SO- 48 /E3ES dated 05 Feb 2022 for the cost of Rs \_\_\_\_\_/- (Rupees \_\_\_\_\_ only) is a zero rated supply as per **GST Rule No 16 (1) of IGST Act 2017** as the goods were supplied as an export and to be used in Bhutan by this Project.

2. It is further certified that no amount was paid to your firm by this Project on account of GST  
Consignee Unit

(b) **Force Majeure Clause.** Should any force majeure circumstance arise, each of the contracting party shall be excused for the non fulfillment or for the delayed fulfillment of any of its contractual obligations, if the affected party within 10 days of its occurrence informs in a written form the other party. Force majeure shall mean fires, floods, natural disasters or other acts such as war, turmoil, strikes, sabotage explosions, quarantine restriction and lockdown in India & Bhutan notified by government hampering transportation or manufacture beyond the control of either party.

**Consignee, Delivery & Delivery Period**

12. Supply will have to be completed within **60 days** from the date of effect of supply order. The stores are required to be delivered as per Appendix 'A' attached to this enquiry to the consignee **504 SS&TC Phuentsholing, Bhutan**. The responsibility for loading and unloading of stores including transit loss shall rest with the consignor. The firm who are unable to supply the desired items within original delivery period due to any reason and are contemplating/seeking extension of original delivery period must send their request by email giving detailed reason for seeking original delivery period extension and the request should reach seven clear days before expiring of original delivery period failing which the supply order will be considered to be terminated and firm will be responsible for the same.

**Discount**

13. Discount, if any, offered thereon shall be clearly specified.

**Price Adjustment**

14. No adjustment in the rates after the date of opening of the quotation on account of any increase/decrease in the cost of input or on account of any statutory increase in any taxes or duty is admissible.

**Manufacturer/Authorized Consignor/Distributor**

15. In case your firm is an original manufacturer of the product or an Authorized consignor/distributor, a certificate to this effect shall be enclosed alongwith product catalogue and company price list, Discount, if any offered thereon shall be specified clearly. If the product is proprietary in nature, certificate to this effect that the firm is sole manufacturer/ consignor/ distributor of the product shall be enclosed with the offer.

**Freight/ Warranty**

16. **Freight.** Packaging and freight will be complete responsibility of the consignor. Damages/ losses in transit shall be the responsibility of the consignor upto the delivery location specified by the respective consignees. No Defence vehicles will be provided to transport the stores. Stores will be securely packed without any additional cost to the Govt to avoid losses or damages during transit so as to reach this consignee, in perfect serviceable and fit for use condition. The consignor shall remain responsible for adequacy of packages during transit. The packages shall be marked with the Supply order and other necessary details for easy identification at the consignee's end. The consignor will be responsible for unloading at FOR and to ensure that the stores are delivered in sound condition without any damage.

17. **Warranty/Guarantee.** The stores supplied against the supply order shall bear a warranty against defective materials for a period of One year or as specified by the company/ consignor/ firm (whichever is higher) from the date of completion of the supply order. In case of manufacturing failure or defect in any component within the warranty period, the consignee shall inform the consignor for joint inspection. Within a period of one week of the receipt of such information, the rejected material shall be removed and replaced by the consignor at the site at his own expense and no extra payment shall be made on this account. All stores to be supplied should be free from all defects and faults in material workmanship and manufacture. They should be in full conformity with the specifications, drawings or samples and shall, if operable, operate properly. The consignor shall be bound to furnish a clear written warranty regarding the same. In the event of the ultimate consignee in Bhutan not finding the stores in accordance with the order, the consignor will be required to replace them free of cost inclusive of all freight and handling charges. Such replacement will be done within ninety days to the claim report raised by the consignee. These standard conditions will also apply in respect of replaced stores.

**Contact Address**

18. For any further information/clarification on the subject the following Officer may be contacted during the office hours (i.e. 0830 Hrs to 1700 Hrs BST except Sunday/Holidays):-

SO-1 (Res)  
Headquarters  
Chief Engineer  
Project Dantak  
Tele No. 009752351082/86/88  
FAX No. 009752351285

19. The accepting officer does not bind himself to accept the lowest quotation or any other quotation and reserves the right to accept or reject any of the quotation either in part or in full without assigning any reasons what so ever thereto.

20. No purchase against this enquiry is guaranteed.

21. The quantities of stores given is/are guidelines and may be enhanced or decreased upto +/- 25% according to our requirement at the time of placing of supply order.

22. Quotation received after the expiry of time and date specified in **Para 02** above will not be entertained.

23. **Payment will be made on receipt of stores in full as there is no provision for making advance payment.**

24. **Repeat Order Clause.** The Consignee may order upto 50% qty of SO within six months from the date of successful completion of the supply against this contract and at the same cost, terms and conditions of the contract. The consignor is bound to supply the material, if found fulfilling all conditions as mentioned in Para 9.7.22 of DPM 2009.

25. **Inspection** The stores supplied will be inspected by the BOO detailed by the CFA or his Authorized rep at time of delivery and should be strictly according to the specifications provided in the supply order. In case the items are found not according to specifications/satisfaction of the Inspecting Officer, the stores are liable to be rejected and will have to be replaced **within 30 days** without any additional cost by the consignor/firms.

26. **LD** The consignor shall be liable to pay liquidated damages and not as a penalty, a sum equivalent to ½% (Half Percent) of the contract/supply order price per week of delay or part thereof. The consignor's liability of liquidated damages shall not exceed maximum of 10% (Ten percent) of the contract price. If the delivery is delayed beyond 10 weeks, the consignee may at his own option, terminate the contract / supply order.

27. **Validity** The rates should be valid for 120 days wef the date of submission of the offer.

28. Items should be of same Make/Brand as mentioned in the appendix attached.

29. Mentioning of GSTIN Nos and quoting rates in words is compulsory, without which enquiry will not be considered for placing supply order. Clear description/specification of items is also mandatory.

30. Rates be quoted for items as per specification in enquiry only.

31. **Risk & Expense Clause** Risk & Cost clause will be applicable as per DPM 2009 on failure of supply of stores by due date/ extend time.

**Special Conditions**

32. **Scope of Supplies:-**

(a) The material shall be supplied in compliance to the specifications mentioned in Annexure I & II of the tender.

(b) The specifications of the machine as mentioned in the Annexure-I & II are the minimum requirements of tender, however higher specifications of machine may be considered subject to their cost economics i.e. competitiveness in financial terms for the location(s) of supply.

(c) After the supply of machine as mentioned in the Annexure I & II, the bidder has to execute its installation & commissioning in the designated site at the locations. No extra cost shall be paid for this purpose.

(d) After the installation & commissioning of machine i.e. Single Spindle Automatic Lathe Machine, the training to the local trainers shall be given for five (05) working days wherein the training about the machine's operations, maintenance, information about Do's & Don'ts as well as Trouble shooting & all other areas which are necessary for smooth functioning of machine shall be provided the persons designated by purchase, at site, by the bidder. No extra cost shall be paid to the successful bidder for imparting this training. However, in case, due to COVID restrictions than the consignor will host an online training capsule for five (05) working days covering all topics of installation operations, maintenance & its trouble shooting.

(e) The bidder shall offer on-site comprehensive warranty of machine for minimum one year from the date successful commissioning of machine at the designated location. The consignee is not liable to pay any extra charges on any account during warrant period.

(f) The consignee shall inform the colour of the machine to be supplied or shall supply the machine in Olive green colour preferably against the above order while issuing the purchase order and bidder has to comply.

33. **Special Provision for Micro & Small Enterprises.** Micro and Small Enterprises (MSEs) participating in the tender will be given benefit as per Public Procurement Policy 2012. Further, the MSEs owned by SC/ST entrepreneurs will also be given benefits as per public Procurement Policy 2012. The definition of MSs owned by SC/ ST is as given under:-

- (i) In case of proprietary MSE. Proprietor shall be SC/ ST.
- (ii) In case of partnership MSE, the SC/ ST partners shall be holding at least 51% hares in the unit.
- (iii) In case of Private Limited Companies, at least 51% share shall be held by SC/ ST promoters.

34. **Delivery.**

(a) The consignee expects the completion of delivery of machine by the bidder within **sixty (60)** calendar days from the date of issue of supply order at the locations.

(b) The machine/ equipment shall be inspected by the consignee on receipt at site and bidder shall be responsible for any damage during the transit of machine. Equipment. The consignee shall not be responsible for any damage due to any reason during the transportation of machines/ Equipment to the designated site of the consignee.

(c) The successful bidder shall not be allowed for part shipments and / or trans-shipments without the permission of cosignee. The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/ Installation & commissioning shall be obtained by the bidder in his own name and not in the name of consignee. The consignee will as soon as possible but within **30 days** from the date arrival of goods at destination shall notify the bidder of any loss or damage to the goods.

35. **Comprehensive Warranty.**

(a) The successful bidder shall offer on-site comprehensive warranty of machine for one year from the date of successful commissioning of machine at the designated location & shall cover each and every part of the machine including parts having limited life etc. The consignee is not liable to pay any extra charges on any account during warranty period.

(b) Any part or parts fail or proved defective within the on-site warranty period specified above, owing to defect in design, material or workmanship; the bidder shall have to replace them with original spares only without asking for any charges.

(c) The successful bidder shall have to visit the location at which the machine supplied once in a quarter as a "Preventive Maintenance service" to check the working of hardware & software of machine, associate systems, efficiency of operational area etc., during the warranty period. This is however, possible once COVID related protocols & quarantine procedures are relaxed in Bhutan.

(d) During the warranty period, expert shall be deputed at site by the successful bidder within two working days from the date of request from consignee, to rectify any fixing the defects/ malfunctioning of machine at the location where machine supplied within next three working days. The cost of deputation of expert and any other associated expenditure to attend the rectification/ fixing of fault shall be borne by the bidder.

(e) In case the successful bidder is not able to rectify the fault within the period of fourteen days, the consginee has authority to demand for demurrages because of loss to consignee due to "under repair" situation for the machine.

36. **After Sales Services.**

(a) The bidder shall ensure to render after sales services during the warranty period to the satisfaction of consignee.

(b) The bidder will depute their engineer within two working days to attend the service call received in writing from consignee during the warranty period provided all COVID related protocol and quarantine norms of RGoB are adhered to by the consignor.

37. **Manuals** The bidder to supply three (03) sets of the following manuals in hard format and one (01) soft format along with machine:-

- (i) Installation Manual
- (ii) Operation Manual
- (iii) Maintenance Manual
- (iv) Training Manual

38. In addition to the existing facility/provision of receiving bids at HQ CE (P) Dantak and as mentioned in clause 2 of this RFP, a facility has been created on Indian side border town of Jaigaon to facilitate submission of bids by Indian Bidders due to lockdown and restricted movement of goods and services across the Indo-Bhutan borders. The bidders can exercise following option and address:-

(a) **Existing facility at HQ CE (P) Dantak Thimphu:-**

(i) **If sending bids by post:-**

HQ CE (P) Dantak  
PIN - 931 708  
C/o 99 APO

(ii) **Manual Submission** - Dropping of bids in tender Box kept in HQ CE (P) Dantak premises.

(b) **Additional facility at Jaigaon:-**

(i) **If sending bids by post:-**

OIC Liaison Cell  
Supervisor Mess, HQ 19 BRTF (GREF)  
Jaigaon (W.B.)  
PIN - 736 182  
Contact details/ Phone No - 9970889254

(ii) **Manual submission:-**

Submit the bid documents to the OIC liaison Cell at Jaigaon.  
Address -

OIC Liaison Cell  
Supervisor Mess, HQ 19 BRTF (GREF)  
Jaigaon (W.B.)  
PIN - 736 182  
Contact details/ Phone No - 9970889254

**Please take acknowledgement from OIC Liaison Cell in case of manual submission at Jaigaon**

**Note:-** Last date and time for submission of bids will be same for both the location and bids from both the places will be collected and opened on fixed date by the nominated BOO at HQ CE (P) Dantak.

Your's faithfully,



(Sandeep Saxena)  
Lt Col  
SO-1 (Res)  
for Chief Engineer

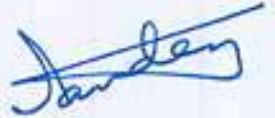
Contd-----7/-

LIST OF STORES

HQ CE (P) Dantak Eng No 30002/ DTK/ 19TF/ENQ-48 /E3ES dt 05 Feb 2022

Ser No	Nomenclature	A/U	Qty
<b>Stores to be supplied to 504 SS&amp;TC, C/o 99 APO, Phuentsholing, Bhutan</b>			
<b>Category of Stores :- Misc Stores</b>			
1	Automated Heavy Duty Lathe Machine Make : HMT/ OEM/ Authorize dealer of OEM/ Authorize distributor of OEM as per eligibility details placed as per Para 5 & Special conditions (Specification & Terms and conditions as per Annexure-I & Annexure-II attached) with Accessories i.e. Standard Accessories and Required Accessories as per Annexure I	Nos	01

Registration No. of Firm  
TIN No. of Firm  
Firm Seal  
Fax & Tele No.

  
(Sandeep Saxena)  
Lt Col  
SO -1 (Res)  
for Chief Engineer

Contd...8/-

TECHNICAL BID ('T' BID)


HQ CE (P) Dantak Eng No 30002/DTK/ 19 TF/ /ENQ-48/E3ES dt 05 Feb 2022  
(As per Clause Para 5)

PARTICULAR OF FIRM		
SER NO	ITEMS	DETAILS
1.	Name of firms	
2.	Legal Status of the firm	Individual company (Incorporated un-incorporated)/ Partnership firm / public limited
3.	Address	
4.	Contact Telephone, Mobile & Fax No	
5.	E-mail address	
6.	GSTIN No	
7.	PAN No	
8.	Registration details :-	
	(a) Registration/Enlistment No.	
	(b) With whom registered /enlisted	
	(c) Letter ref under which registered/enlisted. (Enclose copy)	
9.	<b>EMD (For unregistered consignor/ firm only)</b>  EMD in the form of cheque is not acceptable. EMD be submitted in the form of Fixed Deposit Receipt or Bank Guarantee only	Amount Rs 56,000/-  Fixed Deposit Receipt or Bank Guarantee Number _____  Dated : _____
Date		(Signature of Authorizeorized rep of firm with seal)

Note:

1. Firm enlisted with HQ CE (Project) Dantak need not enclose photocopy of GSTIN No, PAN No and copy of letters reference under which registered. Rest all firms should enclose relevant photocopies.
2. Firms should enclose all relevant documents as mentioned under Para 5 of this Enquiry in addition to the above details, failing which the firm will be rejected during 'T' Bid evaluation.

(Signature of Consignor)

  
(Sandeep Saxena)  
Lt Col  
SO-1 (Res)  
for Chief Engineer

Condt-----9/-

PRICE BID ('Q' BID)

PRICE BID HQ CE (P) Dantak Eng No 30002/ DTK/ 19TF/ENQ-48 /E3ES dt 05 Feb 2022

Ser No	Nomenclature	A/U	Qty	Basic Price (Unit price)	Freight Charges	Total Amount
<b>Stores to be supplied to 504 SS&amp;TC, C/o 99 APO, Phuentsholing, Bhutan</b>						
<b>Category of Stores :- Misc Stores</b>						
1	Automated Heavy Duty Lathe Machine Make : HMT/ OEM/ Authorize dealer of OEM/ Authorize distributor of OEM as per eligibility details placed as per Para 5 & Special conditions (Specification & Terms and conditions as per Annexure-I & Annexure-II attached) with Accessories i.e. Standard Accessories and Required Accessories as per Annexure -I	Nos	01			

Registration No. of Firm  
TIN No. of Firm  
Firm Seal  
Fax & Tele No.



(Sandeep Saxena)  
 Lt Col  
 SO -1 (Res)  
 for Chief Engineer

**TECHNICAL SPECIFICATIONS : AUTOMATED LATHE MACHINE**

<b>CAPACITIES</b>			
Make	:	HMT/ OEM/ Authorize dealer OEM/ Authorize distributor of OEM	
Height of centres	:	mm	260
Swing over bed	:	mm	575
Swing over carriage wings	:	mm	545
Swing over cross slide	:	mm	350
Width of bed	:	mm	415
Distance between centres	:	mm	1500
<b>TYPE OF BED</b>			
Standard	:	Straight with hardened saddle guide ways for 1500 CD	
<b>HEADSTOCK</b>			
Spindle nose/ bore	:	A2-6/53mm	
Spindle socket taper	:	Metric 60	
Spindle speed range	:	rpm	16 from 40-2040 forward & 7 from 60-1430 reverse
<b>FEEDS &amp; THREADS</b>			
Feed range longitudinal	:	mm/rev	60 from 0.04-2.24
Feed range cross	:	mm/rev	60 from 0.02-1.12 (indicated fees 27)
Lead screw pitch/ dia	:	mm	6/36
Metric threads	:	mm	48 from 0.5-28
Inch threads	:	tpi	60 from 56-1
Module Threads (optional at extra cost)	:	20 from 0.25-3.5 (by change gear)	
DP Threads (optional at extra cost)	:	37 from 8-112 (by Change gears)	
<b>CARRIAGE</b>			
Cross slide travel	:	mm	300
Top slide travel	:	mm	150
Size of tool shank	:	mm x mm	25 x 25
<b>TAILSTOCK</b>			
Taper of sleeve	:		MT5
Sleeve of dia	:	mm	90
Sleeve travel	:	mm	200
<b>MAIN MOTOR</b>			
Power	:	Kw	11
Speed	:	rpm	1500
Weight of machine (approx)	:	Kg	2500
Floor space required	:	mm	1176 x 2965
<b>STANDARD ACCESSORIES</b>			
1.	Driving plate for carriers.		
2.	Spindle reduction sleeve.		
3.	Two Nos dead center (MT4+MT5).		
4.	Set of operating tools like spanners, Allen key etc.		
5.	One rotating centre with MT5 shank.		
6.	Electricals complete with wiring suitable for 3ph/ 415V/ 50Hz AC supply.		
7.	One copy of instruction Manual.		
8.	Quick change tool post wth four turning and one boring tool holder.		
9.	Ammeter.		
10.	Standard Colour: Apple Green.		

Signature of consignor\_\_\_\_\_

SO-I (Res)\_\_\_\_\_

Contd--2/-

**REQUIRED ACCESSORIES**

- |    |  |
|----|--|
| 1. | 3 Jaw self centering chuck dia 250 mm with one set of hardened jaws reversible for internal and external chucking. |
| 2. | Swarf tray and coolant equipment.  |
| 3. | Splash Guard.  |
| 4. | Machine lamp.  |
| 5. | Steady rest 8-145 mm for NH26 machine.   |
| 6. | Rear Tool Holder.  |

**SPECIFICATIONS OF FITMENTS/ ELECTRICAL ITEMS**

1. The Head stock to be made from High quality Meehanite cast iron FG260 as per IS210. The box type construction shall be with heavy front wall to ensure stability and precision and to resist heavy cutting forces.
2. All main drive gears of the head stock are to be made up of alloy steel hardened and profile ground.
3. The feed box shall be totally enclosed and provided with universal gearbox.
4. spindle and other rotating parts with peripheral speed of more than 3M/sec. is dynamically balanced.
5. The main spindle to be made up of good quality c2r (15Ni7Cr4Mo2) grade forged Steel and hardened to HRC 60/ ground with surface finish 0.8 micron.
6. Hydraulic operated Self adjusting long lie friction clutch for main spindle forward & reverse speed & breaking system for quick stoppage of spindle.
7. Main Spindle to be supported on pre-loaded high precision taper roller GAMET bearings.
8. Double row taper roller bearing in the front and single row taper roller GAMET bearing with elastic preload from matched set of coil springs in the rear.
9. Casting to be made up of high quality cast iron equivalent to Grade FG 260 as per I210. The saddle side ways to be provided with suitable wipers to avoid entry of chips and swarf.
10. Carriage guide ways shall be precision machined and hand scrapped to suit the hardened bed guide ways
11. Rigid triangular section wide bed with induction hardened (400-450BHN) integral guide ways.
12. Lead screw to be made up of high quality material, thread milled and finish cut. Pitch accuracy is within 0.03mm over a length of 300mm.
13. Automatic feeds for sliding motion.
14. Automatic stop for longitudinal feed.
15. Suitable interlocking arrangement against simultaneous engagement of feed shaft and lead screw.
16. Cross feed screw with backlash eliminators system for accurate machining. The cross feed screw nut shall be of two pieces construction with a wedge in between, to eliminate the backlash between screw and nut.
17. Heavy box type tail stock with 90 mm quill diameter.
18. Tailstock casting to be made up of high quality cast iron of grade-FG260 as per IS 210.
19. Tail stock bore to be honed to ensure easy and accurate sliding of the sleeve.
20. Tailstock sleeve bore to be of case hardening steel with MT5 taper. Tailstock shall be movable easily on the bed in de-clamped condition by manually.
21. Guide ways are to be hardened and ground to a hardness of minimum 45 HRC.
22. The machine is provided with quick change toll post with size 25 x 25 mm.
23. Suitable chip collecting tray for swarf disposal to be provided.
24. Short spindle and shafts for maximum drive rigidity.
25. All drive gears are to be case hardened to HRC 60 and ground. Torque transmission done by hardened gears sliding on transmission shafts with precision bearings.
26. Recalculating pressure lubrication for minimum thermal deformation.
27. Weight of the job up to 1 Ton can be turned.
28. MCBs should be of C&S/BCH/SIEMENS with CE marking.

Signature of consignor \_\_\_\_\_

SO-I (Res) \_\_\_\_\_



**TERMS AND CONDITIONS OF AUTOMATED LATHE MACHINE**  
**MAKE : HMT/ OEM/ AUTHORIZE DEALER OEM/ AUTHORIZE DISTRIBUTOR OF OEM**

1. **Prices.** You are requested to quote the price on FOR basis for 1055 Field Workshop (GREF), Phuentsholing (Bhutan). Firm shall be responsible transportation, custom charges, handling, loading, unloading duties with delivery in Phuentsholing, Bhutan as per terms given in succeeding paragraphs.
2. **Consignee Location.** The Lathe machine is required to be delivered to the consignee location. ie, Phuentsholing, Bhutan only. **Delivery in India will not be accepted.**
3. **Transportation & Loading/Unloading Charges.** Transportation charges up to Phuentsholing along with custom charges in India and Bhutan will have to be borne by the firm. Loading/ unloading changes (P&F Charges) etc will also be borne by supplying firm.
4. **Validity.** The offer validity may be provided for minimum six months ie. (120 days) as the unit is located in Bhutan.
5. **Site Delivery.** The Lathe Machine may be delivered within 60 days after receipt of firm supply order.
6. **Payment.** BRO, being a Central Govt Department does not have provision for advance payment. However, full payment will be released to your firm after successfully completion of supply and examination by a Board of Officers.
7. **Warranty.** Warranty should be applicable for 12 months from the date of commissioning of the Lathe machine at 1055 Fd Wksp, Phuentsholing, Bhutan. The repairs/ replacement must be carried out at the commissioning site and delivery of repaired/ replaced items will be borne by your firm within the warranty period.
8. **Erection & Commissioning.** Cost of E&C will only be paid if the machine is physically installed by your service representative at Bhutan.



Signature of consignor \_\_\_\_\_

SO-I (Res) \_\_\_\_\_