



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/4559232
Dated/दिनांक : 26-02-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	19-03-2024 14:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	19-03-2024 14:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	180 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Defence
Department Name/विभाग का नाम	Department Of Defence Production
Organisation Name/संगठन का नाम	Mazagon Dock Shipbuilders Limited
Office Name/कार्यालय का नाम	*****
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF ALL GEARED PRECISION LATHE MACHINE (Q3)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
ITC available to buyer/क्रेता के लिए उपलब्ध आईटीसी	Yes
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No

Bid Details/बिड विवरण

Payment Timelines	Payments shall be made to the Seller within 15 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	75000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	41

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने हैं। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

GM(M)

Mumbai, Department of Defence Production, Mazagon Dock Shipbuilders Limited, Ministry of Defence (Hare Ram Singh)

Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता

Yes

1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 100%(selected by Buyer) percentage of total QUANTITY.The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF ALL GEARED PRECISION LATHE MACHINE (1 the number pi)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification

Document/क्रेता विशिष्टि दस्तावेज़

[Download](#)

Input Tax Credit(ITC)/इनपुट कर क्रेडिट(आईटीसी) and/ तथा Reverse Charge(RCM)/रिवर्स प्रभार (आरसीएम) Details

ITC on GST/जीएसटी पर इनपुट कर क्रेडिट	ITC on GST Cess/जीएसटी उपकर कर क्रेडिट
100%	100%

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्र

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्र	Delivery Days/डिलीवरी के दिन
1	*****	*****MUMBAI	1	120

Buyer added Bid Specific Additional Scope of Work

S.No.क्र.सं.	Document Title	Description	Applicable/रिवर्स प्रभार के अनुसार जोएसटी i.r.o. Items
1	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF ALL GEARED PRECISION LATHE MACHINE View	ALL GEARED PRECISION LATHE MACHINE	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF ALL GEARED PRECISION LATHE MACHINE(1)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें**1. Generic**

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

SB-MAINTENANCE
MAZAGON DOCK SHIPBUILDERS LIMITED
DOCKYARD ROAD
MUMBAI-400 010
MAHARASHTRA

2. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- Copy of PAN Card.
- Copy of GSTIN.
- Copy of Cancelled Cheque.
- Copy of EFT Mandate duly certified by Bank.

3. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers

can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

4. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

5. **Generic**

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

6. **Generic**

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price:

All Essential accessories for commissioning of Lathe machine

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7. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

8. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name

MAZAGON DOCK SHIPBUILDERS LIMITED

Account No.

10005255246

IFSC Code

SBIN0009054

Bank Name

STATE BANK OF INDIA

Branch address

MAZAGAON BRANCH, MAZAGON,MUMBAI-400010

. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

9. **Forms of EMD and PBG**

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name

MAZAGON DOCK SHIPBUILDERS LIMITED

Account No.

10005255246

IFSC Code

SBIN0009054

Bank Name

STATE BANK OF INDIA

Branch address

MAZAGAON BRANCH, MAZAGON,MUMBAI-400010

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Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

10. Inspection

Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER): Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages.

When there is requirement of submission the advance sample, the seller shall inform the buyer promptly through emails about the date of submission of sample to the buyer nominated Inspection agency.

11. Warranty

Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

12. Generic

OPTIONAL SITE VISIT:

1. The Bidder is advised to visit and examine the installation site and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid. The costs of visiting the site shall be borne by the Bidder.

Cost of visiting the site shall be borne by the Bidder

2. The Bidder representative shall be allowed entry upon consignee premises for such visits, only upon the express conditions that the Bidder will release and indemnify the Buyer and Consignee against all liabilities arising out of such visit including death or injury, loss or damage to property, and any other loss, damage, costs, and expenses incurred as a result of such visit.

3. The Bidder shall not be entitled to hold any claim against Buyer for noncompliance due to lack of any kind of pre-requisite information as it is the sole responsibility of the Bidder to obtain all the necessary information with regard to site, surrounding, working conditions, weather etc. on its own before submission of the bid.

13. Past Project Experience

Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.**Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.

14. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

Buyer Added text based ATC clauses

All bidders shall upload a scanned copy of the following documents along with their bid:

1) EMD Amount: - Rs. 75,000/-

2) EMD payment details as per tender. Note: Micro & Small Enterprises who are manufacturer or service provider for the tendered item and/or Bidders who are permanently registered as a manufacturer for the tendered item with Mazagon Dock Ship Builders Limited (MDL) are exempted from submission of EMD (Valid MDL Registration Document to be enclosed along with the bid). All other bidders who fall under Medium Manufacturing and services criteria shall pay the EMD online / PBG and provide the transaction details along with their bid. Non-submission of EMD transaction details shall lead to categorical rejection of your offer without any intimation. Firms claiming EMD exemption should submit Bid Bond Declaration as per attached format. **(Non-Submission of EMD documents is under categorical rejection)**

3) Technical Pre-Qualification: -

a. Bidder shall be either manufacturer or authorized dealer/ distributor of lathe machine.

b. Bidder shall have to submit authorized dealer/distributor certificate of their offered make of lathe machine along with their technical bid only.

c. Bidder shall be either manufacturer or authorized dealer/distributor of below mentioned makes/ brands only.

i) HMT Machine Tools Ltd.

ii) PINACHO lathe machine by Tussor Machine Tools India Pvt Ltd

iii) Heavy Engineering Corp Ltd

iv) Gujarat Lathe Manufacturing co Pvt Ltd

v) PIONEER Lathe Machines

vi) Batliboi Ltd

vii) PARKSONS Lathe

d. Bidder shall have executed orders of similar supplies of value of at least Rs. 30,00,000/- during last 3 years i.e. up to the tender opening date.

e. Here, similar supplies mean, supply of lathe machines.

f. Bidder shall have to mandatorily submit their previously executed purchase order copies worth Rs. 30,00,000/- along with respective work completion documents.

4) Commercial Pre-Qualification

The average annual financial turnover of 'The bidder' during the last three years, ending 31st March (or any other year ending followed in relevant country) of the previous financial year excluding the calendar year of tendering should be at INR [11,25,000] (i.e. 30% of the estimated annualized value of the supplies being tendered) as per the annual report (audited balance sheet and profit and loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India or equivalent in relevant countries.

(ii) Bidders Shop and establishment registration certificate or registration certificate from registrar of firms or certificate of incorporation from Registrar of Companies (Not required for permanent registered vendors with MDL).

5) Bidder has to submit following annexure on their letterhead as per format)

- a) Annexure: -1: - Annexure
- b) Annexure: -2: -Local Content Declaration
- b) Annexure-3: - Safety Instruction for Sub-contract

6) Contact details for Queries: In case of any clarification regarding tender condition / Specification, bidders are requested to contact following executives, before tender closing.

Technical

- Mr Ritesh Zenderkar, Manager (SB-Maintenance)
+91 22 2376 3123, 7045585559, rjzenderkar@mazdock.com
- Mr Nirmal Ranjane, DGM (SB- Maintenance)
+91 22 2376 3181 , 9867715062, nranjane@mazdock.com

Commercial

- Mr Sumit Deore, CM(C-MP)
022 23763256, 9850998939, sadeore@mazdock.com
- Mr S K Dhiman, DGM (C-MP)
022 23763246, skdhiman@mazdock.com
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15. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export

experience.

11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---

**PROFORMA FOR SUPPLY, INSTALLATION, TESTING &
COMMISSIONING OF ALL GEARED PRECISION LATHE MACHINE, AS
PER IS:6893 (PART- 1) - 1988**

Sr. No	Specification	Reference to Indian Standard	Unit	Required technical specifications
1	Capacity			
1.1	Maximum swing:			
	a)	Over bed	mm	600 (+10%)
	b)	In gap	mm	800 (±10%)
	c)	Over cross-slide	mm	400 (±15%)
1.2	Distance between centres		mm	2000
1.3	Bed width Note:- Bed of lathe machine shall be induction hardened & ground		mm	400 (±15%)
1.4	Width of gap in front of face plate		mm	200 (±15%)
1.5	Maximum facing diameter		mm	700 (±15%)
1.6	Maximum weight of work piece that can be held in between chuck and supported by centre in tail stock:			
	a)	Dead centre	kg	1000 (Minimum)
	b)	Live centre		Standard
1.7	Maximum power on spindle		KW	11 or 7.5
2	Main Spindle			
2.1	Type and size of:			
	a)	Spindle nose	IS:2582-1972	A 2-8
	b)	Taper bore in i) Spindle ii) Spindle sleeve	IS:1715-1986	5MT / ASA 350 / 6MT
	c)	Bore in spindle	mm	80 (±15%)
3	Tailstock			
3.1	Type and size of internal taper in tailstock sleeve		IS:1715-1986	5MT

3.2	Sleeve travel: Manual operated (whichever applicable)			mm	200 (±10%)
3.3	Sleeve diameter			mm	85 (±15%)
4	Tool or Top Slide				
4.1	Type of tool holder				Quick change tool post with 05 tools holder
4.2	Tool or top slide travel (tool post slide travel)			mm	140 (±10%)
4.3	Maximum shank section of tool		IS:1983-1958	mm X mm	25 X 25
5	Main Spindle Speeds				
5.1	No. of speeds and range forward direction			rev/ min	16 From 45-1200
5.2	No. of speeds and range reverse direction			rev/ min	Standard
6	Saddle Feeds				
6.1	Feed range:				
	a)	Longitudinal		mm/r ev	0.05-1.3
	b)	Transverse		mm/r ev	0.02-0.5
7	Lubrication				Oil Lubrication, Automatic
8	Threads				
8.1	Pitch range:				
	a)	Metric	IS : 4218 (Parts 1 to 6)	No./ Rang e	0.5-7
	b)	Module		No./ Rang e	0.4-3
	c)	Inch threads TPI			72-1
9	Electricals				
9.1	Total power			kw	11 Or 7.5
9.2	Power supply			V, ph, Hz	415, 3Ø, 50Hz
9.3	Main motor				
	a)	Type			Induction motor

	b)	Frame size and mounting	IS : 1231-1974		Standard
	c)	Output(s)		kW	11 or 7.5
	d)	Speeds		rev/min	2880 rpm
	e)	No. of phase			3 phase
	h)	Rated voltage		V	415V ± 10%
	i)	Frequency		Hz	50
10	Coolant pump		IS : 2161-1962		
	a)	Output(s) of motor		KW	Standard
11	Mechanical Guarding		IS : 9474-1980		a) Splash guard b) Chuck guard
12	Colour(s)		IS : 5-1978		Standard
13	Weight of Machine with Electricals and Standard Accessories			kg	Standard
14	Geometrical and Practical Tests:				
	a)	At the time of pre-dispatch inspection, all the geometrical & practical tests as mentioned in IS: 6040 / IS: 1878 will be mandatorily carried out at the supplier's factory premises & will be witnessed by executive of user department.			
	b)	After installation of lathe machine at MDL site, all the geometrical & practical tests as mentioned in IS: 6040 / IS: 1878 will be carried out at MDL site.			
	c)	Practical tests shall be performed on test piece of material EN 8 forged steel.			
	d)	A detailed test report of lathe machine jointly signed by executive of MDL & supplier will be prepared & submitted to SB-Maintenance Dept.			
	e)	Material for test piece, cutting tools, calibrated measuring instruments etc. required for testing of machine shall be arranged by supplier.			
14.1	Precision lathes		IS : 6040 / IS: 1878		Standard
15	Floor Space Available (length X width)			mm X mm	4000 X 1200

16	Accessories required (Details of accessories – IS No. to be specified wherever applicable)		
	Sr. No.	Description of Accessories	Quantity
	1.	Complete electrical suitable for required power requirement	Standard
	2.	Spindle reduction sleeve	2 Nos.
	3.	Rotating centre 5MT	1 No.
	4.	Quick change tool post with 05 tool holders, as a standard accessory to be provided along with lathe machine	1 No.
	5.	Set of operating tools like spanners, chuck key, Allen key set etc.	1 Set
	6.	3 Jaw true chuck of Ø300, designation: CHUCK_IS:2876_3_B_100 to be provided along with extra 01 set of internal & external jaws	1 Set
	7.	4 Jaw independent chuck of Ø400, designation: CHUCK_B_400_IS:10612-1983 to be provided along extra 01 set of internal & external jaws	1 Set
	8.	Universal face plate of Ø600	1 No.
	9.	Collet chuck & collets	1 Set
	10.	Rear tool post	1 No.
	11.	Steady rest, Ø50 - Ø150	1 No.
	12.	Steady rest, Ø50 – Ø200	1 No.
	13.	Follow rest, Ø8 – Ø80	1 No.
	14.	Emergency push button	Standard
	15.	Special gears for non-standard threads	1 Set
	16.	Change gears for DP threads	1 Set
	17.	Coolant equipment	1 Set
	18.	Splash guard	1 No.
	19.	Chip Tray	1 No.
	20.	Chip guard & chuck guard	1 Set
	21.	Machine lamp	1 No.
	22.	DRO. For 2 axes to be provided for enabling digital display of feeds.	1 Set
	23.	Dead centre	2 Nos.

17	Documents required	
	1.	A report containing details of tests carried out to meet the requirements as per IS: 6040 / IS: 1878 as mentioned at sr. no. 12 above & respective certificates to be submitted after successful installation of lathe machine.
	2.	Warranty certificate.
	3.	GA. Drawing of lathe machine is to be provided along with the list of spare parts including part no., part description etc.
	4.	Operation & maintenance manual to be provided in 02 nos. in hard copy & 01 no. scanned copy in PDF format
18	Warranty requirement	One-year standard warranty along with two years of extended warranty. This is a mandatory requirement.
19	Scope of work	As annexed at Annexure-II
20	Required brands of Lathe Machine (Note: Bidders would have to mandatorily quote for a lathe machine of any make / brand among the brands mentioned herein. Quote received for other brands will not be considered.)	<ol style="list-style-type: none"> 1. HMT Machine Tools Ltd. 2. PINACHO Lathe Machines by Tussor Machine Tools India Pvt. Ltd. 3. Heavy Engineering Corp. Ltd. 4. Gujarat Lathe Manufacturing Co. Pvt. Ltd. 5. PIONEER Lathe machines 6. Batliboi Ltd. 7. PARKSONS Lathe

SCOPE OF WORK
FOR
SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF ALL GEARED
PRECISION LATHE MACHINE

1. Instructions to bidders: -


- a. Bidders will have to mandatorily quote for a lathe machine of any brand among the brands mentioned at Sr. no. 20 of Annexure-I. Quote received for other brands will not be considered.
- b. Specifications of the machine as mentioned in Annexure-I are the minimum requirements; however, sophisticated lathe machines having higher accuracy may be considered subject to their cost economics.
- c. Prior submission of bid, bidder will have to mandatorily visit the site in MDL where machine is to be installed; to assess the space available for installation & feasibility of their machine with the space available.
- d. The bidder shall be mandatorily either OEM or the authorized dealer / distributor of OEM. In case of authorized dealer / distributor, bidder has to mandatorily submit dealership certificate in their technical bid.
- e. Bidder will have to submit following documents along with their technical bid,
 - i. MDL site visit report duly signed & stamped, confirming safe installation of lathe machine with existing constraints or site modifications requirements.
 - ii. Annexure-I duly filled, signed & stamped, clearly indicating make & model no. of their offered lathe machine.
- f. Please note that, MDL if desired during technical scrutiny of offers, the bidders will have to arrange a visit to factory / workshop of their customer to get the feedback in respect of performance of lathe machine supplied against PO. Copies submitted to qualify the pre-qualification criteria. For visit to their customer's premises, travelling & lodging expenses will be borne by MDL

2. Preparation of civil foundation for lathe machine:

- a. Within 02 weeks after placement of order, supplier shall have to provide approved detailed drawings of civil foundation of their offered lathe machine.
- b. MDL will prepare a civil foundation for lathe machine as per detailed foundation drawing of lathe machine, provided by supplier.
- c. The lead time of 03 months is to be considered for preparation of civil foundation by MDL.
- d. Prior to dispatch, supplier will have to visit MDL to check the foundation as per their drawing in order to ensure proper installation of lathe machine at site.

3. Pre-dispatch inspection: -

- a. Prior to supply of lathe machine, pre-dispatch inspection of lathe machine shall be carried out at the supplier's premises, by executive of user department. Therefore, supplier will have to intimate the date of visit at least one week in advance.


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 माझगाव डॉक शिपबिल्डर्स लिमिटेड
 MAZAGON DOCK SHIPBUILDERS LIMITED

- b. All the geometrical & practical tests as mentioned in IS: 6040 will be mandatorily carried out at the time of pre-dispatch inspection, in the premises of supplier.
- c. Practical tests shall be carried out on test piece of material EN 8 forged steel at the time of pre-dispatch inspection.
- d. All the tools & tackles, material for test piece etc. required during testing of lathe machine shall be arranged by supplier, without any addition cost to MDL.
- e. After successful testing of lathe machine, a detailed test report jointly signed by representative of MDL & supplier will be prepared & to be handed over to the MDL executive. Subsequently, dispatch clearance will be given.
4. After dispatch clearance sought from executive of MDL., machine to be supplied to MDL in properly packed condition.
5. **Installation of lathe machine: -**
- a. Supplier shall have to install the new lathe machine at site.
- b. Supplier shall have to arrange on their own the crane of sufficient capacity required for loading, un-loading & installation of lathe machine at site.
6. **Testing of lathe machine post installation at MDL site: -**
- a. All the geometrical & practical tests will be performed as per IS:6040.
- b. All the tools & tackles, EN 8 forged steel material for test piece, calibrated measuring instruments etc. required during testing of lathe machine shall be arranged by supplier.
- c. Detailed test report jointly signed by representative of MDL & supplier shall be prepared & submitted to the supplier.
- d. Separate commissioning & acceptance report will also be issued by SB-Maintenance.
7. All necessary tools & tackles like slings, spanners, hammers, chisel, grinder, dial gauges etc. required for unloading, installation, testing & commissioning of machines shall be arranged by supplier.
8. MDL will provide electricity, water, compressed air supplies & workspace at site.
9. Supplier will have to mandatorily submit all required documents of their manpower to generate gate passes required for entry in MDL premises, as per the MDL security procedure.
10. **Warranty:** The supplier shall offer onsite standard warranty of machine for a period of one year & additional two years extended comprehensive warranty (inclusive of spares) from the date of successful commissioning of lathe machine at site. Kindly note that this is mandatory requirement. Bidders not agreeing to offer extended comprehensive warranty will be liable for rejection.
11. **Delivery period: -**
- a. **Foundation drawings:** Supplier shall have to provide detailed approved drawings of civil foundation for their lathe machine offered, within 02 weeks from the date of placement of order.
- b. **Lathe machine:** Supplier will have to deliver a lathe machine within 04 months from the date of written intimation from MDL regarding readiness of the foundation.
12. **Training:** Supplier will have to impart operator's training for handling, operations, & preventive maintenance of lathe machine.

रितेश ज. झेंडेकर
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10/01/2019
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