			Vendor to confirm and furnish	Work piece material: Hardness: 20-25 HRC steel pipes. Supplier to furnish full list of materials which can be threaded on the offered machine.	1.2
			Vendor to confirm	Purpose: This machine is intended for cutting external threading, deburring and reaming on steel pipes by using die/chaser. Machine must have capacity to do above functions on bolts also.	<u>.</u>
				PURPOSE & WORK PIECE MATERIAL	1.0
REMARKS	DEVIATIONS	OFFERED	SPECIFIED BY	SI. No DESCRIPTION FOR BHEL REQUIREMENT	SI No
BELOW	TH SPECIFICATION AS BELOW	PLYING WITH	EADING MACHINE COM	SCOPE: SUPPLY, ERECTION & COMMISSIONING OF PIPE THREADING MACHINE COMPLYING WI	COPE
			E-MAIL ADDRESS:	E-MAIL ADDRESS:	C-MAI
			FAX NOS.:		FAX NOS.:
			TELEPHONE NOS.:	TELEPHONE NOS.:	ELE
-		IAN AGENTS:	ADDRESS OF THE INDIAN AGENTS:	ADDRESS OF THE SUPPLIER:	DDR
e processed.	ns clause would only be processed		nst clause no. 20. The off	3. Vendor(OEM) must submit complete information against clause no. 20. The offer meeting t	
			be in English language o	2. The offer and all documents enclosed with offer should be in English language only	
ефин сисыез знан	Of the specifications/requirements share		nformation against any c	1. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses	
ogenius monte chall				NOTE:-	
FOR PIPE			RTIFICATE THREADING MACHINE	SPECIFICATION -CUM- COMPLIANCE CERTIFICATE THREADING	SPE
	6221/R2	Specification no.			
	MT-3/2/1523	Machine No.		UNIT'S PHONE NOS.	11/1/12
		Due Date :		R III A II A II A II A II A II A II A I	With Property
		Enquiry No.:		RHARAT HEAVY ELECTRICAL LIMITED	

2.2.2	2.2.	2.2		2.1.1	2.1.14	2.1.9	2.1.8	2.1.7	2.1.6	2.1.5	2.1.4	2.1.3	2.1.2	2.1.1	Sl. No
Head Stock:-Shall be made of cast /stress relieved fabricated structure & very rigid and sturdy in design with heavy duty ball bearing/anti-friction taper roller bearings.It shall be oil filled and provision with oil filling,oil drain & oil level indicator. Other details are to be furnished by	Base:-Shall be made of Casted/stress relieved fabricated structuer, sturdy in construction to take maximum load & vibration.	Construction:	a)all accessories required for completion of operation. Supplier to give details of accessories.	2.1.11 Standard Accessories:	2.1.10 Main motor Capacity(H.P./RPM)	2.1.9 Number of spindle speed	القلحلين		eranos.	marine Car	1	Minimum diameter of pipe to be threaded	Type of machine	Model:	SI. No DESCRIPTION FOR BHEL REQUIREMENT
t Vendor to confirm and submit details	Vendor to confirm and submit details		Submit submit		vendor to specify	vendor to specify	vendor to specify	vendor to specify	200 mm	NPT,BSP	4" N.B.Pipe	1/4" N.B.Pipe	vendor to specify	Pipe Threading Machine with electrical ,manually operated	SPECIFIED BY
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															DEVIATIONS
			•												REMARKS
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have compatibility with Indian equivalents	3.2 All light fittings, consumables, adapters/receptacles should	3.1 Machine Lights for sufficient illumination of complete working area should be provided for clear visibility.	3.0 MACHINE LIGHTS:	j)1/4" NPT to 4" NPT	i)1/4" BSP to 4" BSP (To be included in scope)	2.2.6 Tool Holder :Supplier holders for following-	2.2.5 Furnish details	day and	2.2.4 Pipe Clampin	Saddle/Carria fabricated struc bushes precisel Pinion/suitable & fro with lubr	6 DESCRIPTIO
ave compatibility with Indian equivalents	Il light fittings, consumables, adapter	Machine Lights for sufficient illu working area should be provided	ACHINE LIGHTS:	1/4" NPT to 4" NPT	1/4" BSP to 4" BSP (To	ool Holder :Supplie olders for following	rmish details	amp the pipe.	pe Clampin	ddle/Carria oricated structure shes precisel nion/suitable	SCRIPTIO
	s/receptacles should	mination of complete for clear visibility.	•		be included in scope)	Tool Holder: Supplier to furnish list of tools alongwith holders for following-	NO CITO INCOME CONTRACTOR OF THE PROPERTY OF T	clamp the pipe. Details to be intuisied.	Pipe Clamping Arrangement:-Suitable arrangement to	Saddle/Carriage:-shall be made of cast /stress relieved fabricated structure. It shall be provided with Gun Metal bushes precisely machined/bearings and Rack & Pinion/suitable arrangement to move the saddle/carriage to & fro with lubricaion points wherever necessary.	SI. No DESCRIPTION FOR BHEL REQUIREMENT
	Specify & confirm	Specify & confirm		Vendor to offer as option with prices	Vendor to confirm and submit		submit details	Vendor to confirm and	Vendor to confirm and	Vendor to confirm and submit details	SPECIFIED BY
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		confirm	confirm	confirm	offer as option s confirm confirm	confirm and offer as option s confirm	confirm and offer as option s confirm	confirm and offer as option s confirm	confirm and ails confirm and offer as option s confirm	confirm and ails confirm and confirm and confirm and confirm and confirm and confirm and sconfirm	confirm and ails confirm and ails confirm and ails confirm and offer as option s confirm confirm

	6.1	6.0		5.0	4.3	4.2	4.1.2	4.1.1	4.1	SI. No
CANCELLE CO. C.	If any environmental protection enclosure is required it should be built in the machine by the vendor.	ENVIRONMENTAL PERFORMANCE OF THE MACHINE:	Pipe Theading Machine should have adequate and reliable safety interlocks / devices to avoid damage to the equipment, work piece and the operator due to the malfunctioning or mistakes.	SAFIFTY ARRANGEMENTS:	If any specific requirement, same to be mentioned in the offer itself.	Pneumatic: We shall provide air with pressure of 5kg/cm2 at one point.	Cables and other electrical material shall meet relevant BIS Specify & shall be of standards reputed make	Motor shall confirm to IEC/Indian standard	Electrical: 415V ± 10%, 50HZ +/-3 HZ, 1 PH / 3 Phase AC (4 wire system with neutral) Power Supply Voltage will be provided by BHEL at a single point near the machine, as per layout recommended by Vendor. All types of cables, connections, circuit breakers etc. required for connecting BHEL's power supply point to different parts of the machine/control cabinets, shall be the responsibility of vendor. Requirement of grounding/earthing with required material details is to be informed by vendor well in advance so that same could be incorporated during construction of foundation.	SI. No DESCRIPTION FOR BHEL REQUIREMENT
	Confirm		Details to be furnished		Vendor to confirm and offer	Vendor to note	Specify & shall be of reputed make	Vendor to specify	Electrical drawing clearly indicating the connections	SPECIFIED BY
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Painting:	Letter of Intent (LOI)/ P.O., whichever is earlier. The vendor shall submit detail civil foundation drawings with reinforcement details within 4 weeks from the date of approval of layout drawings. Civil foundation shall be made by BHEL, however supervision will be done by vendor for correctness of the foundation.	Vendor shall submit the preliminary layout drawing for of the preliminary layout drawing for the date of		If any specific coolant oil /cutting oil recommended		(II required)		ii)Manual pipe stopper	rt to hold upto 6 mtr length of 20	Accessories (Optional)	Itemized breakup of mechanical, electrical & electroincs, if any, spares used on the equipment in sufficient quantity as per recommendation of Vendor for 2 years of trouble free operation on three shifts continuous running basis should be offered by vendor.	SPARES:	Special tools and equipment required for operation & maintanance of the machine shall be supplied by the	SI. No DESCRIPTION FOR BHEL REQUIREMENT
manufacture's name	<u> </u>	Confirm		Specify	Specify	specify	required	required	required		Confirm		Confirm	SPECIFIED BY
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Should be repeated for a man than their time.				Tests/Activities should be carried out at supplier's works on the machine before dispatch:	MACHINE ACCEPTANCE: (Tests/Activities should be Performed by Vendor)	Tools, Tackles, instruments and other necessary equipment nequired to carry out all above activities should be brought by the supplier.	Supplier to take full responsibility for carrying out the start up & testing of equipment and it's control etc.		di un		Catalogues, O&M Manuals of all bought out items including drawings, wherever applicable.	Operating manuals of Machine	Five sets of the Operation & Maintenance manuals (Mechanical, Electrical & Electronics maintenance) of the equipment should be supplied along with the machine	DOCUMENTATION:	SI. No DESCRIPTION FOR BHEL REQUIREMENT
		Confirm	Confirm	Vendor to specify the applicable standard (IS / ISO / Any other)	specify the applicable standard (IS / ISO / Any	Confirm	Confirm			Confirm	Confirm	Confirm	Confirm		SPECIFIED BY
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	Equipment Model No.	CSIAL	Supplier shall be responsible for after sales service of the equipment.	Service beyond guarantee period	24 Months satisfactory operation from the date of acceptance of the machine.	GUAXANIES.	When machine is dispatched in containers all small loose items shall be suitably packed in boxes.	any damage/loss in transit.	machine, all accessories and other supplied items to avoid	Sea worthy & rigid packing for all items of complete		should be repeated for 6 hrs from that time.	The machine should be tested for continuous running of 6	maintenance of complete equipment & accessories etc by the supplier's engineers during their stay at BHEL works	Training of BHEL machine operators in the area of	Prove out of the equipment for BHEL component. Active jobs will be supplied by BHEL	Demonstration of all features of the equipment and accessories to the satisfaction of BHEL for efficient and effective use of the equipment	Tests/Activities should be carried out at BHEL works while commissioning the equipment:	SI. No DESCRIPTION FOR BHEL REQUIREMENT
Specify	Specify		Confirm	Specify	Confirm		Confirm			Confirm			Confirm	Confirm		Confirm	Confirm	Confirm	SPECIFIED BY
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				20.0	19.0		18.7		18.6			28 5			18.4	283	I. No
D) The following information should be submitted by the vendor about the companies where similar machines havebeen supplied. This is required from all the vendors for	satisfactorily for more than one year C) Generally offers of OEM would be accepted. In case of C) Generally offers of OEM would be accepted. "	one year B) who have supplied and commissioned 1 no similar B) working in any of RHFI unit and same is working	A)Those vendors, who have supplied at least one similar machine in the past ten years (on the date of opening of tender) and same are working satisfactorily for more than	Qualifying condition: Offers which meets either of A or B as mentioned below will be accepted. In addition offer should meet condition C also for acceptance.	Delivery	study & make minor changes.	Vendors shall submit his latest design. In case of any variance with the present Spec., BHEL reserves the right to	submitted with the offer.	Detailed catalogues, sketch/ photographs of the Pipe Threading Machine and accessories/ attachments should be Confirm	Threading size range etc.	specifications of the supplied machine i.e. Model,	Machine have been supplied mentioning broad	customers where similar or higher capacity Pipe Threading	Vendor to submit, along with offer, reference list of	Total weight of the equipment	Painting of Machine	SI. No DESCRIPTION FOR BHEL REQUIREMENT
			and the second second	Keilder G Committee	1				Confirm			Confirm			Specify	Specify	SPECIFIED BY
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S. J.Charrabay n. SR. DGM (WE&S)	Arjun Singh \(\frac{\frac{1}{3}}{1}\) \(\frac{1}{1}\) Manager (WE&S)	3. Year of commissioning. (Copy of commissioning report should be 5. Name and designation of the contact person of the customer. 6. Phone, FAX no. and email address of the contact person of the customer. 7. Performance certificate from the customers regarding satisfactory performance of system supplied to them 8-BHEL reserves the right to verify information provided byvendor. In case the information provided by vendor is found to be false/incorrect, the offer shall be rejected.	Name of the customer / company where similar system is installed. (Copy of Purchase order should be furnished) 2. Complete postal address of the customer.	SI. No DESCRIPTION FOR BHEL REQUIREMENT
K.D.Manjhi Sr DGM (LMM & LMP)	Mgr.(LMM)	Vendor to submit	Vendor to submit Vendor to submit	SPECIFIED BY
				OFFERED
A K Shivpuri Sr.Manager (Wf	Sr.Engr			DEVIATIONS
A K Shivpuri Sr.Manager (WE&S)	Y K Dhingra Sr.Engr(WE &S)			REMARKS

Rev2- Specification revised to change the qualifying criterion.