

MISHRA DHATU NIGAM LIMITED A Government of India Enterprise P.O Kanchanbagh, Hyderabad-500058, TS, India Phone: 040-24184646 Email: amitsingh.kumar@midhani-india.in	INVITATION TO TENDER No. MDNL/PUR/17260004/ST/090/26-27 Date : 04.08.2026 Due Date : 18.08.2026 TIME : 10:00 Hrs Opening Date: 18.08.2026 TIME : 10:30 Hrs
	<u>Your Offer should contain the following information.</u> 1) Unit Rate both in figures & words and Price Basis 2) Validity Period of the offer 3) Quantity / Trade discount, if any 4) Delivery Schedules 5) Mode of Dispatch 6) Terms of Payment 7) GST Taxes / Octroi applicable with rate Percentage

Dear Sirs,

You are requested to send your offer in duplicate for the following items, as per the Terms & Conditions mentioned herein, in sealed envelope super scribed with Invitation to Tender No. & Due Date.

Sl. No.	Material	Estimate Requirement		Delivery Required
	Description & Specification	Qty.	Unit	
1	SOFTWARE UPGRADATION OF DIGITAL VICKERS HARDNESS TESTING MACHINE. 1. Technical Specification as Per Annexure-I 2. General Terms and Conditions as per Annexure-II	01	No	As per Annexure -I of spec & scope of work.

Note: Please confirm whether you are MSME Unit or MSME Unit owned by SC/ST Entrepreneur. If yes, please submit latest valid documentary proof for extending benefits as per government guidelines.

PLEASE READ THE TERMS & CONDITIONS GIVEN OVERLEAF:

1. Please Submit your offer as per scope of work
2. Offer your firm lowest prices, as price negotiations will not normally be held.
3. Envelopes shall be invariably superscribed with Enquiry No. & Due Date.
4. Indicate your GST details along with HSN Code in your offer.
5. Validity of the offers shall be 90 days.
6. **Payment terms shall be 100% within 30 days from the date of receipt & acceptance of The material.**
7. The price shall be quoted on F.O.R. Midhani basis.
8. Tenders will be opened on the date & time indicated above in the presence of Tenderers who choose to be present.
9. SSI Units registered with NSIC will be extended benefits as per Government Guidelines subject to documentary evidence.
10. Please adhere to delivery schedule strictly; extension of delivery period will be given only with imposition of liquidated damages.

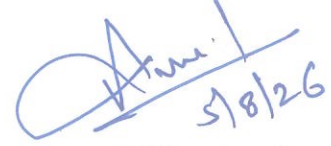
PUR/REC/26-27

11. For any technical clarifications contact Shri. Gayatri Yadav, Sr. Mgr (QM), Ph. NO. 040-24184234 and for commercial clarifications contact Shri Amit Kumar Singh, Sr. Mgr. (Purchase), Ph. No. 040-24184646.

Thanking you,

Yours faithfully,

For MISHRA DHATU NIGAM LTD



SM (Purchase)

अमित कुमार सिंह / Amit Kumar Singh
वरिष्ठ प्रबंधक (क्रय) / Sr. Manager (Purchase)
मिश्र धातु निगम लिमिटेड/Mishra Dhatu Nigam Limited
कंचनबाग, हैदराबाद-58 / Kanchanbagh, Hyd-58

**SCOPE OF SUPPLY FOR SOFTWARE UPGRADATION OF DIGITAL VICKERS
HARDNESS TESTING MACHINE (MAKE –TTS UNLIMITED INC(Matsuzawa), MODEL-
HWDV-X7)**

The intent of this up-gradation is to equip digital Vickers hardness machine (as mentioned below) with test software from OEM to enable it for computerized Vickers testing. This will include automatic loading, dwell time, unloading, measurement of indentation, reporting of Vickers hardness result and generation of test report.

1. Details of the existing 50kgf Digital Vickers Hardness testing Machine that is to be upgraded:
Model-PVT-X7
S.NO-PV 1013X
OEM-TTS Unlimited Inc,Japan
2. Up gradation of existing hardness machine with application software shall be carried out such that it is compatible with the existing machine (hardware and electronics).
3. A PC suitable for the integration of application software with the machine's hardware shall be supplied as per the following details:

S.NO.	Item	Description
1	Licensed software including OS	One copy
2	Processor	Intel core i7
3	OS	Windows 11 professional 64 bit with licensed Microsoft office(word, excel and PowerPoint)
4	RAM	32 GB
5	SSD	512 GB
6	Hard Disk	1 TB HDD (Minimum 2 partitions)
7	DVD Writer	RW
8	27" flat panel LCD monitor, keyboard ,optical mouse	Make-Dell/Lenovo/HP
9	UPS	30 min backup standard make
10	Printer	Dell/HP-1 Number

4. Application software should be able to perform Vickers Hardness Test (as per ASTM E 92), in accordance with latest ASTM specification version. It shall be user friendly and easy to operate.
5. Material testing Software shall be fully compatible with the existing machine's hardware standalone facility. Test Software shall be capable of running the test, rotating the turret, measuring the hardness etc from the software itself.
6. System should provide calculation in SI or US customary units. Whole Software shall be in English language only.
7. Old and replaced items will remain with MIDHANI.

8. Two set of manuals (hard copy) for operation of application software should be provided in English language. Soft copies of the same shall also be supplied.
9. The necessary details (technical details, drawings etc) of all the items replaced or altered should be provided in English language.
10. A copy of application/test software should be provided as spare.
11. Software shall have hardness conversion facility as per international standards e.g ASTM E-140,DIN EN ISO 18265.It shall be able to store the data, generate test results and perform statistical functions like average, standard deviation etc
12. Software should have the provision for automatic indentation measurement as well as manual measurement by drawing of diagonals on computer screen.
13. Provision for export of results to pdf /excel format .
14. Provision to generate test reports containing company name, logo ,etc along with minimum 7 number of customized fields to completely generate the full report format.
15. Generated test report shall be as per Cl. 9 of ASTM E 92-23 with provision for images of indentation.
16. Breakdowns if any during warranty period (for the supplied items) shall be attended without any additional charges.
17. Only OEM or OEM Authorized vendor shall participate in tender. Supplier has to submit a valid and verifiable authorization certificate/letter from the OEM along with the technical bid.
18. The price bid format shall be as given below:

S.No	Description	Qty	Price
1.	SOFTWARE UPGRADATION OF DIGITAL VICKERS HARDNESS TESTING MACHINE(MAKE-TTS UNLIMITED INC(Matsuzawa),MODEL- HWDV-X7) as per Annexure 1(a) and 1(b)	01 No's	

19. Acceptance Criteria:

- A) The upgradation is considered successful and acceptable, only if the machine after software up gradation is able to perform Vickers hardness tests as per ASTM 92-23 for **both** with and without usage of computer application software.
- B) Machine has to be successfully calibrated by a NABL accredited calibration Agency after software upgradation for:
 - a)Direct verification(as per Cl. A1.3) and Indirect verifications (as per Cl. A1.4) of ASTM E-92-23. Direct verification shall include verification of test forces at 1kgf,3kgf,5gf,10kgf,20kgf,30kgf and 50kgf (in accordance with Cl. A1.3.2)
 - b) Verification of indentation measuring system(in accordance with Cl. A1.3.3 of ASTM E-92-23).

The readings obtained from computer application software shall be same as the readings obtained using the measuring microscope (i.e without usage of software) installed in the machine.

c) Verification of test cycle (in accordance with Cl. A1.3.4 of ASTM E-92-23)

C) Calibration certificates for Direct and Indirect verification shall be in compliance with Cl. A1.6 of ASTM E 92-23 along with the traceability certificates having traceability to national /international standards.

Annexure 1(b)

<u>SCOPE OF WORK</u>	
1	Performance: Satisfactory working of machine shall be confirmed only after performing hardness test on different materials (like superalloys, titanium, steels, aluminium etc) of MIDHANI over a period of a week.
2	Warranty Requirements: Machine should be given warranty for a period of one year from the date of successful upgradation and any software trouble should be attended within 48 hours of intimation.
3	Declaration by supplier that they will support with spares, software for a period of not less than 10 years from the date of upgradation. Updating of software (latest if any) free of cost during warranty period.
4	After Sales Service: Supplier will ensure that the machine is serviced half yearly during the warranty period.
5	Successful Software upgradation and NABL verification (as per ASTM E 92-23) has to be completed within 10 days from the date of handing over the machine to the supplier.
6	Training of personnel: Operation of equipment should be demonstrated and necessary training should be provided for usage of all features, maintenance and troubleshooting of problems generally arising in handling of equipment for a period of 1 day at the time of software upgradation of machine in MIDHANI premises for free of charge.

TERMS AND CONDITIONS FOR TENDER

1. Any order resulting from this invitation to tender shall be governed by our General conditions of contract and the supplier quoting against this enquiry shall be deemed/ to have read and understood the same.
2. Where counter terms and conditions have been offered by the Tenderer.
3. The purchaser shall not be governed by these unless specific acceptance has been, given in writing in the order by the purchaser.
4. The offer should be complete in all respects. Full particulars and descriptive literature and drawings should be forwarded along with the quotation. The make of the items offered should be clearly specified. Materials should be offered strictly confirming to our specifications. The deviations if any, should be clearly indicated in the quotation. Test certificates must be produced, wherever required where stipulated samples should be forwarded along with the quotation Material confirming to IS will be preferred.
5. **PRICE:** The prices must be unit shown inclusive of packing, forwarding, insurance, Octroi duty and delivery charges and should be on FOR destination basis. Offers from local suppliers should be for free delivery at our stores.
6. **TAXES AND DUTIES:** Indicate your GST details along with HSN Code in your offer.
7. **DELIVERY:** As per Annexure -I(a) of spec & Scope of work.
8. **RIGHT OF ACCEPTANCE:** The purchaser does not bind himself to accept the lowest or any other tender and reserves the right of accepting the whole or any part of the tender or portion of the quantity offered. Within a period of six months from the date of completion of the order, the Purchaser further reserves the right to place order on the successful tenderer for an additional up to 100% of the original ordered quantity.
9. **TERMS OF PAYMENT:** 100% Payment within of 30 days through RTGS from the date of receipt and acceptance of the material at Midhani Stores.
10. **INSPECTION:** The Purchaser reserves the right to get the Stores inspected before commencement of supplier/ or on arrival at our factory by an inspecting officer authorized by the Purchaser. The Tenderer should be in a position show and/ or send samples of material on demand.
11. **PACKING:** The stores should be securely packed and properly marked to avoid loss or damage in transit by Rail /Road /Air.
12. **TO RECOVER LIQUIDATED DAMAGES:** In the event of unsatisfactory delayed or non-supply of materials, the supplier shall be liable to pay by way of liquidated damages at the rate of 1% of the total contract price per week or part thereof subject to a maximum of 10% of the contract price without prejudice to the right of the purchaser to take any other action. The amount shall also be recoverable from any other contract on account of the supplier.
13. **RISK PURCHASE:** The supply of all items must be completed satisfactory and within the specified period in the order failing which, the Purchaser reserves the right to purchase stores from other sources at the suppliers cost and risk.
14. **GUARANTEE / WARRANTY:** If any.
15. **VALIDITY:** The offer should be valid for a minimum period of 90 days from the opening of quotation.
16. In case the item offered is covered by DGS & D Rate Contract, the rate should be as per R/C and a copy of R/C should be enclosed with the offer.

for breach of Contract, by written notice of default sent to the supplier, terminate the contract in whole or in part:

- a) If the supplier fails to deliver any or all of the stores within the time period(s) specified in the contract, or any extension thereof granted by the purchaser.
- b) If the supplier fails to perform any other obligation under the contract within the period specified in the contract or any extension thereof granted by the purchaser.
- c) Purchaser reserves the right to cancel the Purchase Order / contract on its own under exceptional circumstances.

On receipt of notice for Short Closure, the contractor shall cease all further work, except for such work as may be specified in the notice for the sole purpose of protecting that part of the stores already executed. Further, the liability of MIDHANI in such cases will be limited to the extent of the cost as assessed by MIDHANI, in its opinion, till the point of short closure.

18.REJECTION: In case any material is rejected, the same has to be rectified / replaced by the supplier within 15 days from the date of intimation failing which Midhani shall not be responsible for any damages to the materials. The supplier would automatically forfeit the lien on material immediately after the above stipulated time.

19.MSME UNITS: Confirm whether you are MSME UNIT or MSME UNIT owned by SC/ST Entrepreneur.

If yes, please submit latest valid documentary proof for extending benefits as per Government guidelines. Declaration of UAM number required by MSE bidders on CPPP, failing which such bidders will not be able to enjoy the benefits as per Public Procurement Policy for MSEs Order.

Purchase preference and other benefits shall be provided to MSE's as per Public Procurement Policy for MSE's Order, 2012 which was notified under MSMED Act 2006. MSE's shall be exempt from paying Earnest Money Deposit (EMD). These benefits are meant for procurement of goods produced and services rendered by MSEs. Traders are excluded from availing these benefits.

Vendors to intimate the value of Goods & Services which are sub contracted by them from the MSE's if any, pertaining to the ordered item(s)"

20.ARBITRATION:

1) Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning and operation or effect of this Contract or the breach thereof shall be settled by Arbitration in accordance with the Rules of Arbitration of the Indian Council of Arbitration and the award made in pursuance thereof shall be binding on the parties.

2) In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/Port Trusts interest and also between CPSEs and Government dept./Organizations (Excluding disputes concerning Railways, Income Tax, Customs & Excise Dept.), such disputes or differences shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No. 4(1)/ 2013- DPE(GM)/FTS-1835 dated 22/5/2018 or the latest DPE Guidelines issued from time to time.

21.JURISDICTION: All questions, disputes arising under, out of or in connection with the contract shall be subject to the exclusive jurisdiction of court within local limits of Hyderabad, India.

22.ADDENDA TO TENDER DOCUMENTS: The Purchase reserves the rights to issue addenda to the tender documents to clarify, modify, supplement or delete any of the condition, clauses or items stated in the tender documents issued with this Invitation to Tender. Each addendum issued will be distributed each tenderer or his authorized representative and the addendum so issued shall form a part of the original tender documents to be reviewed as required.