



**Tender Ref. No.:**  
**NSIC/LBI/NAINI/2021-22/MD (R2)**

## **TENDER DOCUMENT**

**for**

# **Supply, Installation & Commissioning of Machine, Tools and Equipment for NCVT MECHANIC DIESEL TRADE**

**The National Small Industries Corporation Limited**

(A Government of India Enterprise)

**Udyog Nagar, Industrial Estate, Naini, Prayagraj-211008.**

Tel No: 0532-2697050, 2697218

Email: [lbinaini@nsic.co.in](mailto:lbinaini@nsic.co.in)

Website: [www.nsic.co.in](http://www.nsic.co.in)

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## NOTICE INVITING TENDER

The NSIC Livelihood Business Incubation (LBI) Centre, Naini, Prayagraj invites sealed tender in two bid system (Technical & Financial Bid in two separate envelopes) for the Supply, Installation, Commissioning on site & Training on Operation(s) & Maintenance of Tool & Equipment for NCVT Mechanic Diesel Trade.

The details are summarized below: -

a)	Tender number	Reference number for inviting bids through this tender is NSIC/LBI/NAINI/2021-22/MD (R2)
b)	Eligible Bidder	Original Equipment Manufacturers / Authorized Distributors of OEM / Authorized Dealers of Original Equipment Manufacturer (as per the eligibility details placed in the tender at Para 2 of " <b>Instructions to the Tenderers</b> ").
c)	Purchaser	The NSIC-Livelihood Business Incubation Centre Naini, Prayagraj (A Government of India Enterprise) which is one of the LBI Centre of National Small Industries Corporation.
d)	Usage of Machine	The purchaser would place the machine in their training centre and shall be utilized for imparting skill/ entrepreneurship development training and rendering services to the industries.
e)	Scope of Tender	Supply, Installation, Commissioning & Training to trainers, Comprehensive Warranty of 2 years + Maintenance Contract of 3 years after expiry of warranty.
f)	Specification/ Details of machine	The Machines, Tools & Equipment should fulfil the NCVT norms of "Mechanic Diesel" trade. The detailed specifications of machine are specified in tender and placed at <b>Annexure-A</b> .
g)	Web page for details of tender	Web page: <a href="http://www.nsic.co.in/tenders.asp">http://www.nsic.co.in/tenders.asp</a> The prospective bidders are advised to visit the website periodically for any update in respect of this tender. No separate advertisement/communication will be sent to the individual and/or parties.
h)	Locations of supplies	The machine(s) is/are proposed to be supplied at NSIC Livelihood Business Incubator Centre, Udyog Nagar, Industrial Estate, Naini, Prayagraj-211008Uttar Pradesh.
j)	Bid Security Declaration Form along with Tender	Instead of depositing Earnest Money Deposit, a <b>Bid Security Declaration Form</b> shall be submitted by bidder in favour of " <b>The National Small Industries Corporation Ltd.</b> " and to be placed in the Technical Bid envelope while submitting the tender. The format for the same is provided in Annexure-E of the Tender Document.

k)	Exemption from the payment of Tender fee	The exemption for the payment of tender fee will be applicable under Rule 170 & 173 of general Financial Rules (GFR), 2017 for Micro & Small Enterprises (MSEs) as per the "Public Procurement Policy for Micro & Small Enterprises Order 2012". To claim the exemption, self-certified copy of valid certificate / proof of registration for the goods for which this tender floated, must be enclosed with Technical Bid.
l)	Security Deposit	The successful bidder has to submit interest free security deposit amount to the value equalling to 3% (Three percent) of the total value of order within five working days from the date of issue of Purchase Order by Purchaser.
m)	Cost of Tender Documents	<p>The tender document can be collected from the office of The General Manager (GM), NSIC-Technical Services Centre, A-1, Industrial Estate, Aligarh – 202001 in between the period from <b>28.07.2021 to 19.08.2021</b> (Except Saturday &amp; Sunday) between <b>10:00</b> hours to <b>15:30</b> hours against payment of Rs. 1180/- (Rupees One Thousand One Hundred and Eighty Only) (Non-refundable, Inclusive of GST) by way of demand draft in favour of "<b>THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.</b>" payable at Aligarh.</p> <p>Alternatively, tender form can be downloaded from our website <a href="http://www.nsic.co.in">www.nsic.co.in</a> &amp; <a href="http://www.eprocure.gov.in">www.eprocure.gov.in</a> from <b>28.07.2021 to 19.08.2021</b>. In case the tender is downloaded for submission of offer, the tender fee of <b>Rs. 1180/-</b> in form of demand draft in favour of "<b>THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.</b>" payable at Aligarh shall be enclosed with Technical Bid of the tender while submitting the tender or through Online Banking for which details are given below in "Instructions to Bidders" section.</p>
n)	Last date of submission of tender	<p><b>Tender must be delivered to the address below on or before 19.08.2021 up to 15:30 hours.</b> The bids received after the due date and time shall be rejected.</p> <p>The General Manager (GM), NSIC-Technical Services Centre, A-1, Industrial Estate, Aligarh – 202001</p>
o)	Date of opening of Technical Bid <b>(Envelope-1)</b>	<p><b>The technical bid for the tender shall be opened on 19.08.2021 at 16:00 hours at the address as under:</b></p> <p>The General Manager (GM), NSIC-Technical Services Centre, A-1, Industrial Estate, Aligarh – 202001.</p>

p)	Date of opening of Financial Bid <b>(Envelope-2)</b>	The date for opening second envelope containing Financial Bid will be intimated to the technically qualified bidders separately.
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**Note:** In case of any further details required, the same can be collected from the office of The General Manager (GM), NSIC-Technical Services Centre, A-1, Industrial Estate, Aligarh – 202001 from **28.07.2021 to 19.08.2021** (except Saturday & Sunday) between **10:30** hours to **15:30** hours.

General Manager (GM),  
NSIC-Technical Services Centre,  
A-1, Industrial Estate, Aligarh – 202001.

## **INSTRUCTIONS TO THE TENDERERS**

The Tender shall be submitted in accordance with these instructions, as under.

### **1. Abbreviations:**

Throughout this tender document, the word/ term:

- a) "LBI" means NSIC-Livelihood Business Incubation Centre
- b) "NSIC" means The National Small Industries Corporation Ltd.
- c) "day" means Calendar day
- d) "working day" means Monday to Friday in week
- e) "tender" means tender number NSIC/LBI/NAINI/2021-22/MD (R2)
- f) "Machine" means the machines/ equipment/software/accessories as detailed at Annexure-A.
- g) If context so requires, "singular" means "plural" and vice versa.
- h) "EMD" means Earnest Money Deposit.
- i) "Purchaser" means The National Small Industries Corporation Ltd
- j) "Bid" means the document and financial details submitted by bidder.
- k) "Bidder" means the eligible and qualified bidder.
- l) "Tenderer" means the eligible and qualified Original Equipment Manufacturers / Authorized Distributors/ Authorized Dealers.
- m) "OEM" means Original Equipment Manufacturer
- n) "NCVT" means National Council of Vocational Training

### **2. Eligible Bidder:**

- a) The intending Bidder, in case of Original Equipment manufacturers shall submit a self-declaration on their letter-head, along with the Technical Bid, confirming that they are regular in manufacturing & supplying the similar machines, as asked in this tender, for the last Ten (10) years.
- b) The original equipment manufacturers shall possess ISO Certificate for their establishment. The copy of the valid ISO Certificate shall be placed with the Technical Bid.
- c) The intending Bidder, in case of Authorized Distributor of OEM / Authorized Dealer of OEM shall possess valid authorized Distributorship / Dealership license from Original Equipment Manufacturer and to be engaged in regular supply of similar machines for the last ten (10) years. The OEM shall have ISO certificate. Also the authorised 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 Technical bid while submitting the tender.

- d) The intending bidder had never made any default in supplying the machine/equipment to Government / Semi Government/ Central or State Public sector enterprise(s) for any reasons in the last five years.

### 3. Scope of Supplies:

- a) The material shall be supplied in compliance to the specifications mentioned in Annexure- A of the tender.
- b) The specifications of the machine as mentioned in the Annexure-A 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 A, the bidder has to execute its installation & commissioning in the designated site(s) at the location. No extra cost shall be paid for this purpose.
- d) After the installation & commissioning of machine i.e., **Tools & Equipment for NCVT Mechanic Diesel Trade**, 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 purchaser, at site, by the bidder. No extra cost shall be paid to the successful bidder for imparting this training.
- e) The bidder shall offer on-site comprehensive warranty of machine for minimum two years from the date of successful commissioning of machine at the designated location. The purchaser is not liable to pay any extra charges on any account during warranty period.
- f) The bidder shall cover the machine(s) under Maintenance Contract for three years after the expiry of comprehensive warranty period of two years without asking for any additional financial charges from purchaser.
- g) The purchaser shall inform the colour of the machine to be supplied against the above order while issuing the purchase order and bidder has to comply.

### 4. Location of supplies:

- a) The details of locations where the machine(s) supplied through this tender are as under:

#	Location	Address for supplies
1	NSIC-LBI, Naini-Prayagraj	Udyog Nagar, Industrial Estate, Naini, Prayagraj - 211008. U.P.

- b) The bidder is free to inspect the location(s) in the premises before submitting the bid under this tender.

### 5. 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 MSEs owned by SC/ST is as given under:

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

Document to claim benefits shall be enclosed in Technical Bid.

## 6. Delivery

- a) The purchaser expects the completion of delivery of machine by the bidder within twenty (**20**) calendar days from the date of issue of supply order at the location(s). However, the bidders have an option to submit the best delivery time while submitting the Technical Bid, but in any case, the delivery should be completed before **30** days from the date of issue of supply order by purchaser.
- b) The machine/equipment shall be inspected by the purchaser on receipt at site and bidder shall be responsible for any damage during the transit of machine/equipment. The purchaser shall not be responsible for any damage due to any reason during the transportation of machines/equipment to the designated site of the purchaser.
- c) The successful bidder shall not be allowed for part shipments and/or transshipments without the permission of purchaser. 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 purchaser. The purchaser will as soon as possible but within 30 days from the date of arrival of goods at destination shall notify the bidder of any loss or damage to the goods.

## 7. Comprehensive Warranty

- a) The successful bidder shall offer on-site comprehensive warranty of machine for two years 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 purchaser 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 areas etc., during the warranty period.
- d) During the warranty period, expert(s) shall be deputed at site by the successful bidder within two working days from the date of request from purchaser, to rectify and fixing the defects/malfunctioning of machine at the location where machine(s) supplied within next three working days. The cost of deputation of expert(s) 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 three days, the Purchaser has authority to demand for demurrages because of loss to purchaser due to "under repair" situation for the machine.
- f) The comprehensive warranty clause as above is applicable only for machines and equipment except tools, hand tools & consumables.

## 8. Three Years Maintenance Contract

- a) The bidder shall cover the machine(s) under Maintenance Contract for three (03) years after the expiry of comprehensive warranty period of two years without claiming any additional financial charges from purchaser. The commercial / financial bid for the machine(s) shall be quoted accordingly.
- b) The 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 areas etc., during the three years maintenance period. The parts, if any, to be replaced or change shall be purchased by purchaser.
- c) The Maintenance Contract clause as above is applicable only for machines and equipment except tools, hand tools, consumables and instruments.

## 9. After Sales Services

- a) The bidder shall ensure to render after sales services during the warranty period and in the period of Maintenance Contract to the satisfaction of purchaser wherever applicable.
- b) The bidder will depute their engineer within two working days to attend the service call received in writing from purchaser during the warranty period as well as Maintenance Contract Period.

## 10. Manuals:

The bidder to supply three (03) sets of the following manuals in hard format and one (01) soft format along with machine wherever applicable:

- i. Installation Manual
- ii. Operation Manual
- iii. Maintenance Manual
- iv. Training Manual

## 11. Tender documents:

- a) The tender document can be collected from the office of The General Manager (GM), NSIC-Technical Services Centre, A-1, Industrial Estate, Aligarh – 202001 in between the period from **28.07.2021 to 19.08.2021** (Except Saturday & Sunday) between **10:30** hours to **15:30** hours against payment of Rs. **1180/-** (Rupees One Thousand One Hundred only) (Non-refundable, inclusive of GST) by way of demand draft, in favour of '**THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.**' payable at Aligarh.

Alternatively tender form can be downloaded from our website [www.nsic.co.in](http://www.nsic.co.in) & [www.eprocure.gov.in](http://www.eprocure.gov.in) from **28.07.2021 to 19.08.2021**. In case the tender downloaded for submission of offer, the tender fee of Rs. **1180/-** in form of demand draft in favour of '**THE NATIONAL SMALL INDUSTRIES**

**CORPORATION LTD.**' payable at Aligarh shall be enclosed with Technical Bid of the tender while submitting the tender.

The other option is to pay Rs. **1180/-** by RTGS/NEFT to the bank of purchaser as detailed under:

ACCOUNT NAME	BANK NAME	BANK NO.	A/C	BANK IFSC CODE
THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.	ICICI Bank	157005001432		ICIC0007404

The bidder is requested to attach the UTR No. / Bank Statement / RTGS Slip in the Technical Bid, to prove the transfer of payment to the purchaser's Account.

- b) At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum/ corrigendum. The prospective bidders are advised to visit the Website for any update in respect of this tender.

### 12. Authorization for Submission of Tender:

- a) The original and all copies of the bid shall be signed and stamped, on every page, by a person duly authorized to sign on behalf of the Bidder. The written confirmation of authorization (in form of letter on the bidder's letter head) to sign on behalf of the bidder confirming the signature as a person duly authorized to sign should be attached with the technical bid of the tender.
- b) The person signing the tender form or any other documents on behalf of the Bidder shall be deemed to warrant that he has authority to bind the Bidder. If it subsequently comes to light that the person so signed had no authority to do so, the purchaser may without prejudice to any, consider civil & criminal remedies cancel the tender and hold the Bidder liable for all costs, charges and damages.

### 13. Bid Security Declaration & Tender Fees:

- a) The **Bid Security Declaration Format** shall be submitted in the first envelope super-scribed as "Technical Bid" only for the Machine(s) quoted by the Bidder. The offers without **Bid Security Declaration Format** from the Bidders shall be rejected.
- b) In case tender documents downloaded from website, Tender Fee of Rs. **1180/-** shall be submitted by way of D.D. drawn in favour of '**THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.**' payable at Aligarh, along with the Technical Bid of the tender documents. Tender fee is non-refundable. The option for payment of EMD/Tender fees by RTGS/NEFT is also available and bank details of purchaser, are as under:

ACCOUNT NAME	BANK NAME	BANK NO.	A/C	BANK IFSC CODE
THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.	ICICI Bank	157005001432		ICIC0007404

The bidder is requested to attach the UTR No. /Bank Statement / RTGS Slip in the Technical Bid, to prove the transfer of payment to the purchaser's Account.

- c) The exemption for the payment of tender fee will be applicable under Rule 170 & 173 of general Financial Rules (GFR), 2017 for Micro & Small Enterprises (MSEs) as per the "Public Procurement Policy for Micro & Small Enterprises Order 2012". To claim the exemption, self-certified copy of valid certificate / proof of registration for the goods for which this tender floated, must be enclosed with Technical Bid.
- d) The Purchaser shall not be liable for payment of any interest on EMD/Tender fees.

#### 14. Security Deposit:

- a) The successful bidder has to submit interest free security deposit amount to the value equalling to 3% (three percent) of the total value of order which includes basic price + GST, within five working days from the date of issue of purchase order by the purchaser for supply by bidder.
- b) The security deposit will be returned to the successful bidder along with 20% payment schedule, as per payment terms mentioned at Para 29 of "Instructions to the Tenderers".

#### 15. Submission of Tender:

- a) The bidder to examine all instructions, forms, terms and specifications in the tender documents and to furnish with its bid all documents or information as required by bidding document.
- b) The language for all the correspondence and documents related to the tender shall be in English/ Hindi only. Moreover, the printed Literature/technical details for the machine shall also be in English/ Hindi.
- c) The tender must be placed in a properly sealed bigger envelope addressed to The General Manager (GM), NSIC-Technical Services Centre, A-1, Industrial Estate, Aligarh - 202001 and the said bigger envelope shall contain two sealed envelopes, each containing, Technical & Financial Bids, respectively. The bigger envelope must be super-scribed "Tender for Supply, Installation and Commissioning of Machine, Tool & Equipment for NCVT Mechanic Diesel Trade" with tender inquiry number and its due date. The two sealed envelopes inside the bigger envelope must be super-scribed as:

**Envelope No-1:** *The said envelope is for Technical Bid & shall be super-scribed as "Tender for the Supply, Installation, Commissioning of Machine, Tool & Equipment for NCVT Mechanic Diesel Trade"-Technical Bid*.

**Envelope No-2:** *The said envelope is for Financial Bid & shall be super-scribed as "Tender for the Supply, Installation, Commissioning of Machine, Tool & Equipment for NCVT Mechanic Diesel Trade"-Financial Bid*.

- d) If both or either of the envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.

- e) All the columns of the tender shall be duly, properly and exhaustively filled in. Any cutting/over writing etc. in the tender must be signed by the person who is signing the tender.
- f) Tenders received in open covers/ letters/ fax/ email will not be considered.

#### **16. Financial Bid Submission:**

- a) Bidder shall take into account of all costs including Packing, Freight, Transportation, Insurance Cost including unloading of machine at the location of the purchaser for giving delivery of material at site as detailed at Para 4 of "Instructions to the Tenderer" before quoting the "Price of Machines before GST" in the Financial Bid.
- b) The "Price of Machine before GST" shall remain firm & inclusive of all costs involved for the delivery to the destination(s) including the cost mentioned in Para 16(a) as above, also include the cost of Installation & Commissioning at destination, Training to the local trainers (as detailed at Para 3(c & d) of "Scope of Supplies" of this tender), Cost of services to be provided during Comprehensive Warranty of two years. (Refer Para 3(e) of "Scope of Supplies" of this tender) and cost of services to be provided in the period of Maintenance contract for three years after the expiry of warranty period of two years (Refer Para 3 (f) of the "Scope of Supplies" of this tender.)
- c) No extra payment or revision of "Price of Machine before GST" shall be accepted on account of any discrepancy in nomenclature of items. The Bidder is advised to seek clarification, if any, desired before submitting the tender.
- d) No representation for the revision of the quoted "Price of Machine before GST" shall be considered till the supplies are completed to the designated location(s).

#### **17. Last date of submission of Tender:**

- a) The tender should reach the Office of The General Manager (GM), NSIC-Technical Services Centre, A-1, Industrial Estate, Aligarh – 202001 by **19.08.2021** up to **15:30 hours**.
- b) The purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Tender Documents, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended. The prospective bidders are advised to remain in touch with website for any update in respect of their tender.
- c) The purchaser shall not consider any bid that arrives after the deadline for submission of bids. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected and returned unopened to the Bidder.

#### **18. Rights of Purchaser:**

- a) It may be noted that "The General Manager (GM), NSIC-Technical Services Centre, A-1, Industrial Estate, Aligarh – 202001" have full rights to cancel the supply even after calling the offers from bidders but before the issue of supply order to execute the supply by the bidder. The reason for cancellation of supply would not be disclosed neither the bidder has right to ask for so.

- b) The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to supply order, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically Bid document, EMD deposits shall be promptly returned to the Bidders.
- c) The Purchaser reserves the right to cancel the tender in case of insolvency of L1 Bidder.

### **19. Opening of Technical Bid:**

- a) The technical bid of tenders will be opened at NSIC-Technical Services Centre, A-1, Industrial Estate, Aligarh – 202001 on **19.08.2021 at 16:00 hours**. The Bidder or their authorized representative (One person only) may be present at the time of opening of the tender.

### **20. Opening of Financial Bid:**

- a) The Financial Bid of only technically qualified bidders will be opened on the stipulated due date. The date & time for opening of Financial Bid shall be intimated to the technically qualified bidders through email, after the evaluation of Technical Bid.

### **21. Validity of Tender:**

- a) The tender shall be valid for a period of 90days from the date of opening of the Technical Bid of tender. Terms and financial details submitted in the bid shall be treated as firm during the said period of 90 days.
- b) In exceptional circumstances, prior to the expiry of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.

### **22. Evaluation of Bids:**

- a) If there is discrepancy between the amount quoted in Financial Bid in the column "Unit Price of Machine, Tools & Equipment before GST" and the amount reflected in column "Total price of Machine(s), Tools & Equipment before GST" which is the multiplication of quantity offered for supplies with "Unit Price of Machine, Tools & Equipment before GST", the "Unit Price of Machine, Tools & Equipment before GST" shall prevail. Accordingly, the Total price of Machine, Tools & Equipment before GST shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.
- b) If there is an error in a total corresponding to the addition or subtraction of sub totals, the subtotals shall prevail and the total shall be corrected; and
- c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- d) To assist in the examination, evaluation, comparison of the bids and qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing only.

- e) If the Bidder does not provide clarifications of its bid by the date and time set in the Purchaser's request for clarification, its bid may be rejected.
- f) The Purchaser shall compare the "Unit Price of Machine, Tools & Equipment before GST" of all the responsive bids to determine the lowest bid for a particular location.
- g) The bidder shall note that they are not supposed to put any GST amount in the Financial Bid. However, after the supplies, they have to issue the GST invoice indicating the Price of machine as quoted in the Commercial Offer and thereafter specify the GST as applicable at the time of delivery. The Purchaser shall pay total amount which includes the unit price of machine as well as the GST as applicable at the time of delivery.
- h) The Purchaser is authorized to ask the evidence from bidder to counter-check that the GST as claimed by the bidder at the time of issue of invoice after the supply of machines.

### **23. Security Deposit Forfeit:**

The security deposit will also be forfeited in following cases:

- i. If the bidder fails to accept, the supply order issued, based on his/her offer (bid) within the prescribed time.
- ii. If the bidder fails to supply the Machine, Tools & Equipment with specifications as mentioned in Annexure -A
- iii. If the bidder delays supplies beyond a reasonable time resulting in disruption of project.
- iv. Bidder for any reason whatsoever withdraws the tender after it is accepted or become unable or fails to execute the orders within stipulated delivery period.
- v. Submission of misleading/contradictory/false statement or information and fabricated/invalid documents is detected before or after the issue of order to execute the supplies.

### **24. Notification of Award:**

Prior to the expiry of the period of bid validity, the purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter shall specify the sum that the Purchaser will pay to the bidder in consideration of the supply of Machine, Tools & Equipment with the details of selected location(s).

### **25. Pre-dispatch Inspection:**

- a) A pre-dispatch inspection by 3<sup>rd</sup> party/ technical team of purchaser may be carried out at bidder's site of manufacturing Machine, Tools & Equipment. This pre-dispatch inspection will not absolve bidder's responsibility to execute supply in accordance with the tender terms.
- b) In case during inspection by the inspection team of purchaser find some areas needs to be attended by bidder and/or test reports asked, the purchaser has to

complete the findings of inspection team within 10 days & confirm in writing to purchaser. If need be the re-inspection would be carried out.

## 26. Packing:

- a) The bidder shall provide packing of the machine/ equipment, as is required to prevent their damages or deterioration during the transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. In case the consignment received with damaged packaging, the purchaser would have full right not to accept the delivery.
- b) The machine & equipment shall be securely boxed, crated and protected from mechanical damage, moisture etc. suitable for both storage and transit according to the nature of the material and mode of transport. The bidder shall be responsible for any loss/ damage to material during transportation to the designated location. *Transit insurance of supplies is deemed to be included in the offered price by Bidder*

## 27. Delivery Time:

- a) The bidder shall indicate the period within which the ordered quantity will be supplied. The bidder shall note that in case bidder fails to supply within the period of delivery indicated by the bidder in technical bid of this tender, penalty @2% of value of the order per week of delay would be levied subject to maximum 4 weeks. It means, the bidder shall have the liability of delayed supply to the maximum of 4 weeks after expiry of scheduled delivery date. After that the supply order shall be cancelled and EMD and Security Deposit will be forfeited and bidder will be debarred from participation in any future tenders. Also purchaser has full right to ask for demurrages even after adjustment of EMD & security deposit from the bidder because of delay in supplies, as agreed.
- b) The successful Bidder shall, within a week from the date of receipt of communication of acceptance of quotes from purchaser shall intimate his acceptance of the order. The successful bidder shall complete supplies strictly as per the accepted delivery period.
- c) The post-delivery activities i.e. Installation, Commissioning, Training to Trainers etc. shall be started with 7 days from the date of receipt of machines at site by the purchaser.

## 28. Payment:

- a) The **70% payment** of total bill will be made by the purchaser by crossed account payee cheque/RTGS/NEFT for which the bidder shall send bills in duplicate (original + copy) after Supply, Installation & Commissioning of machine, giving the reference number of the purchase order along with copies of delivery note & satisfactory report on the Installation of machine(s), from designated purchaser department. The details about the designated purchaser department who is authorized to take the delivery of machine(s) shall be informed to the successful bidder through the supply order placed for the supply of machine(s).
- b) The **20% payment** of total bill along with Security Deposit will be released to bidder after one month from the date of completion of training to trainers at site

and on submission of Indemnity Bond by the successful bidder for rendering services during warranty period and maintenance period.

- c) The remaining **10% payment** will be retained and shall be released against submission of Performance Bank Guarantee by the successful bidder of equal value of **10%** till the period of five years from the date of commissioning.

### **29. Causes of Rejection of Tender:**

- a) While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected.
- b) If any Bidder stipulates any condition of his own, such conditional tender is liable to be rejected.

### **30. Claims:**

- a) If the material supplied are found to be off size and shape different than those in the accepted offer and are of specifications lower than those stipulated in the accepted offer, the purchaser shall have right to totally reject the machine/equipment and/or to claim for compensation from bidder. The bidder shall reimburse to purchaser, the claim lodged in writing within 15 (fifteen) days of its demand. The bidder shall also compensate for losses, if any, sustained by purchaser due to defective packing and/or wrong marking of the machine/equipment.
- b) The bidder shall be responsible for arranging the rejected machine/ equipment to be removed at his cost from purchaser premises.

### **31. Address for communication:**

All the communication with respect to the tender shall be addressed to:

The General Manager,  
NSIC Technical Services Centre,  
A-1, Industrial Estate, Near ITI Road Police Chowki, Aligarh – 202001  
Email: [ntsecalig@nsic.co.in](mailto:ntsecalig@nsic.co.in),  
Ph. No. – 0571-2408910 / 2400364 / 2403552

### **32. Force Majeure:**

In the event of any unforeseen circumstances directly interfering with the supply of goods/work/service arising during the execution of order such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, earthquakes, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the Bidder shall, within a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days "notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other.

### **33. Code of Ethics:**

The Purchaser as well as the Bidder shall observe the highest standard of ethics including laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988", during the procurement or execution of such contracts. If the



bidders are found in Bid pooling, cartelisation or against law on fraud and corruption then their firms may be blacklisted.

**34. Jurisdiction:**

In the event of any dispute the legal matter shall be subjected to the jurisdiction of Allahabad Court only.

*We confirm with our acceptance to the instructions (S. No. 1 to 32 above) as given above.*

**BIDDER'S NAME & SIGNATURE WITH SEAL**

*The duly signed pages of "Instructions to the Tenderers" as above shall be attached with technical bid of the tender as a mark of acceptance of bidder and any tender not confirming the instructions as above, is liable to be rejected.*

**ANNEXURE-A**

**Details of requirements and technical specifications of Machine, Tools & Equipment**

<b>LIST OF TOOLS AND EQUIPMENT</b>			
<b>NCVT MECHANIC DIESEL TRADE</b>			
<b>S.NO.</b>	<b>NAME of the Tool &amp; Equipment</b>	<b>Specification</b>	<b>Qty</b>
1	Allen Key set of 12 pieces	2mm to 14 mm	75
2	Caliper inside with spring	15 cm	75
3	Caliper outside with spring	15 cm	75
4	Centers Punch	10mm.Dia.x 100mm	75
5	Dividers With Spring	15cm	75
6	Electrician Screw Driver	250mm	75
7	Hammer ball peen with handle	0.5kg.	75
8	Hand File for Second cut Flat	20 cm (JK, HARICON, GIFT/any other equivalent reputed brand)	75
9	Screws Driver set 5 pieces	100mm to 300mm	75
10	Pipers Combination	20 cm	75
11	Screw driver Blade	20cm X 9mm	75
12	Screw driver Blade	30cm X 9mm	75
13	Scriber	15 cm	75
14	Spanner D.E. set of 12 pieces	6mm to 32mm	75
15	Spanner, right set of 12	6 to 32mm. (metric)	75
16	Spanner socket with speed handle, T-bar, ratchet and universal set of 28 pieces with box	up to 32mm	75
17	Steel tool box with lock and key	400X20X150mm	75
18	Steel rule	30 cm inch and metric	20
19	Wire cutter and stripper	100MM	75
<b>TOOL &amp; EQUIPMENT</b>			

20	Adjustable Spanner	350mm (pipe wrench	4
21	Air Blow gun with Standard accessories	Reputed make	2
22	Ammeter DC with external Shunt	300A/.60A	8
23	Air ratchet with standard accessories	Reputed brand make	8
24	Air impact wrench with standard accessories	Reputed brand make	8
25	Angle plates adjustable	250X150X175 mm	2
26	Angle plate size	200X100X200 mm	4
27	Anvil with Stand	50kgs.	2
28	Auto Electrical test bench	(GN) (Reputed brand make)	2
29	Battery-charger	To be provided	4
30	Blow Lamp	1Litre	4
31	Belt Tensioner gauge	standard item from reputed brand	2
32	Caliper inside with Spring	15cm	8
33	Calipers outside with spring	15cm	8
34	Car jet washer with standard accessories	To be provided	2
35	Chain Pulley Block Capacity with tripod stand	3 ton	2
36	Chisel flat	10 cm	8
37	Chisels cross cut	200mm X 6mm	8
38	Circlip pliers Expanding and Contracting	15cm and 20cm	8
39	Clamps C	100mm	4
40	Clamps C	150mm	4
41	Clamps C	200mm	4
42	Cleaning tray	45X30 cm	8
43	Compression testing gauge suitable	for diesel Engine with standard accessories	4
44	Connecting rod alignment fixture	standard item from reputed brand	2

45	Copper bit soldering iron	0.25kg	8
46	Cylinder bore gauge capacity	20to 160mm	8
47	Cylinder liner-Dry & wet liner, Press fit & slide fit liner	standard item from reputed brand	2
48	DC Ohmmeter	0 to 300 Ohms	4
49	Depth micrometer	0-250mm	8
50	Dial gauge type 1 Gr. A	(complete with clamping devices and with magnetic stand)	8
51	Different type of Engine Bearing model	standard item from reputed brand	2
52	Different type of Piston model	standard item from reputed brand	2
53	Dividers With Spring	15cm	8
54	Drift Punch Copper	15cm	8
55	Drill point angle gauge	standard item from reputed brand	2
56	Drill twist	1.5mm to 15mmby 0.5mm(various Size)	8
57	Electric Soldering Iron	230v 60 watts 230 V 25 watts	4
58	Electric testing screw driver	To be provided	8
59	Engineer's scope	Blade size15cm, ( try square)	8
60	Engineer's stethoscope	standard item from reputed brand	2
61	Feeler gauge20 blades	(metric)	8
62	File Flat, bastard	20cm	8
63	File half round, Second cut	20cm	8
64	File Square Second Cut	20cm	8
65	File, Square round	30 cm	8
66	File triangular, Second cut	15cm	8
67	Files assorted size and types including safe edge file (20No's) ( ISO, STD)	To be provided	4
68	Flat File, Second Cut	25 cm	8

69	Flat File, bastard	35cm	8
70	Fuel feed pump for Diesel	standard item from reputed brand	2
71	Fuel Injection pump	(Diesel) inline	2
72	Fuel Injection pump dismantling tool kit /Universal Vice	standard item from reputed brand	2
73	Fuel injection pump VE pump / Distributer fuel rotary pump (DPC)pumps /along with special tools and accessorial	standard item from reputed brand	2
74	Gloves for Welding	(Leather and Asbestos)	10
75	Glow plug tester	standard item from reputed brand	4
76	Granite surface plate with stand and cover	1600 X 1000 mm	2
77	Grease Gun	To be provided	4
78	Grease Gun heavy duty trolley type	10 kg Capacity	2
79	Growler	To be provided	4
80	Hacksaw frame	adjustable 20-30cm	20
81	Hammer Ball Peen	0.75Kg	8
82	Hammer Chipping	0.25Kg	10
83	Hammer Copper with handle	1 kg	8
84	Hammer Mallet	( WOODEN) standard item from reputed brand	8
85	Hammer Plastic	( WOODEN) standard item from reputed brand	8
86	Hand Operated crimping tool	1-up to 4mm,2- up to 10mm	4
87	Hand reamers adjustable	10.5 to 11.25 mm, 11.25 to 12.75 mm, 12.75mm and 14.25 to 15.75mm( GIFT , IT, MIRANDA/any other equivalent reputed brand)	4
88	Hand Shear Universal	250mm	4
89	Hand Vice	up to 37 mm	4
90	Hollow Punch set of 7 pieces	6mm to 15mm	4
91	Injector- Multi hole type, Pin type ( ISO, STD)	standard item from reputed brand	8

92	injector Cleaning unit	standard item from reputed brand	2
93	Injector Testing set	(Hand tester)	2
94	Insulated Screw driver	20 cm X 9mm blade	8
95	Insulated Screw driver	30cm X 9mm blade	8
96	Left cut snips	250mm	8
97	Lifting jack screw	3 ton, 5ton & 20Ton.	2
98	Magneto spanner set with 8 spanners	standard item from reputed brand	2
99	Magnifying glass	75mm	4
100	Marking out table	90X60X90 cm.	2
101	Multimeter digital	To be provided	10
102	Oil can	0.5/0.25Litre capacity	8
103	Oil Pump for dismantling and assembling.	550	4
104	Oil Stone	15 cm X 5 cm X 2.5 cm	2
105	Oscilloscope	20MHz	4
106	Outside micrometer	0 to 25 mm	4
107	Outside micrometer	25 to 50mm	4
108	Outside micrometer	50 to 75mm	2
109	Outside micrometer	75 to 100mm	2
110	Philips Screw Driver set of 5 pieces	100 mm to 300 mm	4
111	Pipe Cutting tool	standard item from reputed brand	4
112	Pipe flaring tool	standard item from reputed brand	4
113	Piston ring Compressor.	standard item from reputed brand	4
114	Piston Ring expander and remover	standard item from reputed brand	4
115	Piston Rings groove Cleaner.	standard item from reputed brand	2
116	Pliers combination	20cm	4
117	Pliers flat nose	15 cm	4
118	Pliers round nose	15 cm	4
119	Pliers side cutting	15 cm	4
120	Portable electric	0-10mm	2

	drill Machine		
121	Prick Punch	15 cm	8
122	Punch Letter 4mm	(Number)	4
123	Radiator cut section-cross flow	standard item from reputed brand	2
124	Radiator cut section down flow	standard item from reputed brand	2
125	Radiator pressure cap	standard item from reputed brand	4
126	Right cut ships	250mm	4
127	Rivet sets snap and Dolly Combined	3mm,4mm, 6mm,	4
128	Scraper flat	25 cm	4
129	Scraper half round	25 cm	4
130	Scraper Triangular	25 cm	4
131	Scriber	15 cm	4
132	Scriber with scribing black universal	To be provided	4
133	Set Of Stock and dies metric		4
134	Tinman Shear	450 X 600mm	4
135	Sheet Metal Gauge	To be provided	4
136	Tinman Shear	300mm	8
137	Soldering Copper	Hatchet type 500gms	4
138	Solid Parallels in pairs	(Different size) in Metric	4
139	Spanner Clyburn	15 cm	2
140	Spanner D.E. set of 12pieces	6mm to 32mm	8
141	Spanner T flocks for screwing up and up-screwing inaccessible	To be provided	4
142	Spanner, adjustable	15 cm	4
143	Spanner rings set of 12 metric size	6 to 32mm	8
144	Spanners socket with speed handle, T-bar, ratchet and universal	standard item from reputed brand	4
145	Spark Lighter	standard item from reputed brand	4

146	Spark plug spanner	65, 14mm X 18mm X size	4
147	Starter motor axial type,	pre-engagement type & Co-axial type	2
148	Steel Measuring tape in a case	10 meter	8
149	Steel rule 15 cm inch and metric	To be provided	8
150	Steel rule 30 cm inch and metric	To be provided	8
151	Straight edge gauge 2 ft.	To be provided	4
152	Straight edge gauge 4 ft.	To be provided	4
153	Stud extractor set of 3	To be provided	4
154	Stud remover with socket handle	To be provided	2
155	Surface gauge with dial test indicator plunger type	0.01 mm	8
156	Tachometer	(Counting type)	2
157	Tandem master cylinder with booster	standard item from reputed brand	8
158	Taps and Dies Complete sets	(5 type)	2
159	Taps and wrenches- metric	To be provided	4
160	Telescope gauge	standard item from reputed brand	8
161	Temperature gauge with sensor	0-100 C	4
162	Thermostat	standard item from reputed brand	4
163	Thread Pitch gauge Metric	To be provided	4
164	Timing lighter	standard item from reputed brand	4
165	Torque wrenches	5-35 Nm,,12-68Nm & 50-225 Nm	2
166	Trammel	30 cm	4
167	Turbocharger cut sectional view	standard item from reputed brand	2
168	Tyre pressure gauge with holding nipple	standard item from reputed brand	4
169	Universal puller for removing pulleys, bearings	standard item from reputed brand	2



170	V' block 75 X 38 mm pair with Clamps	To be provided	4
171	Vacuum gauge	0 to 760 mm of Hg.	4
172	Valve Lifter	standard item from reputed brand	2
173	Valve spring compressor universal	standard item from reputed brand	2
174	Vernier caliper	0-300mm with least count 0.02mm	8
175	Vice grip pliers	To be provided	4
176	Water pump for dismantling and assembling	Tractor & Motor Vehicle	8
177	Wire gauge	100 MM (metric)	4
<b>GENERAL SHOP OUTFIT</b>			
178	Air conditioned CRDi Vehicle in Running Condition - LMV	4 stroke New Vehicle With RTO Registration Vehicle should be brand new and should be registered at R.T.O office Prayagraj in the name of "NSIC-LBI NAINI PRAYAGRAJ"	1
179	Arbor press hand operated 2 ton capacity	2 ton capacity	1
180	Automotive exhaust 5 gas analyzer	(petrol& Diesel) or Diesel Smoke meter	1
181	Bench lever shears	250mm Blade X 3mm	1
182	Diesel engine CRDi 4 Stroke (New)	<ul style="list-style-type: none"> <li>• Diesel Engine CRDI 4 Stroke for Dismantling &amp; Assembling with Swiveling Stand</li> <li>• Brand New Diesel Engine CRDI 4 Cylinder, Turbocharged, Aluminum engine head and cast iron block. (Proof of New Engine to be provided - Invoice of Engine Manufacturer or Engine Manufacturer's Authorized Dealer) )0 Bore: 70 - 90 mm</li> <li>• Stroke: 80 - 110 mm</li> <li>• Displacement: 1100 - 1500 cc</li> <li>• Minimum power: 85 BHP@ 3750 — 4250 RPM</li> <li>• Compression Ratio 16 — 22:1</li> <li>• 4 Valve per cylinder, DOHC, Ignition &amp; fuel system Common rail direct injection.</li> <li>• Cooling System: Water Cooling</li> <li>• Complete Panel Board Control with all Brand New Original Equipment Parts (proof to be</li> </ul>	1

		<p>provided- invoice o manufacturer or manufacturer's authorized dealer) like Turbocharger, Catalytic Converter, ECM, BCM, Ignition Switch with Keys, Wiring Harnesses, Instrument Cluster, OBD II Compliant Diagnostic Socket, Electronic Accelerator Pedal Alternator, Starter Motor, Radiator with Intercooler and Cooling Fan, Air Filter Assy., A Mounting, Fuse Box, Glow Plug Timer, Fuel Filter, Engine Sensors like Air Mass Flow, EGR, Lambda/Oxygen Sensor, Fuel Pressure Regulator Rail Pressure Sensor, Crank Angle/RPM/TDC Sensor, Coolant Temperature Sensor, Cam Angle Sensor, Boost Pressure Sensor, Fuel Temperature &amp; Water in Fuel Filter Sensor, Engine Oil Pressure Switch.</p> <ul style="list-style-type: none"> <li>• Instrument Cluster should display Fuel level, Battery Charging Light, Oil Pressure Light, Engine RPM, and Engine Coolant Temperature.</li> <li>• Fuel Tank 10 Litre, Engine Accessories- Silencer, and New 60AH Battery with clamp, Safety Guard for Silencer &amp; Radiator.</li> <li>• Engine will be in running condition with speed controlled from the accelerator pedal.</li> <li>• Appropriate Engine Scanner to be provided.</li> <li>• Complete tool kit required should be supplied. <ul style="list-style-type: none"> <li>• Engine should be mounted on MS Rectangle/Square Pipe Frame Rotating 360 Degrees with Brake / Stopper available on all four wheels.</li> </ul> </li> <li>• The M.S. Stand should be spray colored and/or powder coated. <ul style="list-style-type: none"> <li>• Detailed Manual with Wiring Diagram on Working Principle, Dismantling and Assembling Procedure should be provided.</li> </ul> </li> </ul> <p><b>Note: Proof of New Engine Certificate and Guarantee Certificate from engine Manufacturer should be provided.</b></p>	
183	Diesel engine Stationary type	8-10 HP latest technology	1
184	Discrete Component Trainer / Basic Electronics Trainer	To be provided	1
185	Drilling machine	bench to drill up to 12 mm dia. along with accessories	1
186	Dual Magnetization Yoke	AC/HWDC, 230VaC, 50Hz,	1

187	Grinding machine	(general purpose) D.E. pedestal with 300mm dia. Wheels rough and smooth	1
188	Heavy Commercial Vehicle type	(White out body on frame) truck with latest technology. It should be brand new fitted with latest BSVI engine with EATS (exhaust after treatment system) BSVI Engine. The vehicle chassis should be registered at R.T.O Prayagraj in the name of "NSIC-LBI NAINI PRAYAGRAJ"	1
189	Hydraulic jack Hi-Lift type	3 ton capacity, and 5 Ton capacity	1
190	Liquid penetrate Inspection kit	standard item from reputed brand	1
191	Multi Scan Tool with oscilloscope	Make from reputed brand. Multi Scan Tool with oscilloscope able to scan Engine, ABS & EBD, AT, SRS, SAS, Body Control and immobilizer from all Bharat Stage Vehicles from the year 2004 to till date. ANDROID BASED operating system with Wireless data transmission from car to scanner. Most advance scanner with function of automotive sensor simulation test specially designed to diagnose and simulate vehicle sensor faults for sensors like MAP sensor, Intake air temperature sensor, TP sensor etc. Can also do "DC voltage simulation", "Fixed frequency simulation", "Predefined waveform simulation" and "Hand-painted waveform simulation showing result in scanner itself. Hardware Specifications Operating System: Android 5.1 Display 10.1" IPS display CPU:1.3 GHz quad core Ram: 1GB Battery: 7000 mAh Camera: Front 2Mp Rear 5Mp.	1
192	Pipe Bending Machine	12 mm to 30mm(Hydraulic type)	1
193	Pneumatic rivet gun with standard accessories	standard item from reputed brand	2
194	Spring tension tester	standard item from reputed brand	1
195	Tin Smiths bench folder	standard item from reputed brand	1
196	Trolley type portable air	Compressor Single cylinder with 45 Litres capacity Air tank, Along with Accessories & with working pressure 6.5kg/sq. cm, (EVEREST)	1

197	Welding plant Oxy-Acetylene complete	(high Pressure) Both oxygen and acetylene cylinder should brand new with test Certificate from explosive dept. Nagpur.	1
198	Welding Transformer	15-300Amps	1
199	Working Condition of Diesel Engine	<p>CRDi-4 stroke Engine, Assembly with fault simulation board WORKING CONDITION OF DIESEL ENGINE CRDI - 4 STROKE ENGINE ASSEMBLY WITH FAULT SIMULATION BOARD</p> <ul style="list-style-type: none"> <li>• Brand New Diesel Engine CRDI 4 Cylinder, Turbocharged, Aluminum engine head and cast iron block. (Proof of New Engine to be provided - Invoice of Engine Manufacturer or Engine Manufacturer's Authorized Dealer)</li> <li>• Real and operating CRDI Diesel engine, illustrating the structure and working process. <ul style="list-style-type: none"> <li>• Bore: 70 - 90 mm</li> <li>• Stroke: 80 - 110 mm</li> <li>• Displacement: 1100 - 1500 cc</li> <li>• Minimum power: 85 BHP</li> </ul> </li> <li>• 4 Valve per cylinder, DOHC, Ignition &amp; fuel system Common rail direct injection. <ul style="list-style-type: none"> <li>• Cooling System: Water Cooling</li> </ul> </li> <li>• Complete Panel Board Control with all Brand New Original Equipment Parts (proof to be provided- invoice of manufacturer or manufacturer's authorized dealer) like Turbocharger, Catalytic Converter, ECM, BCM, Ignition Switch with Keys, Wiring Harnesses, Instrument Cluster, OBD II Compliant Diagnostic Socket, Electronic Accelerator Pedal, Alternator, Starter Motor, Radiator with Intercooler and cooling Fan, Air Filter Assy., A Mounting, Fuse Box, Glow Plug Timer, Fuel Filter, Engine Sensors like Air Mass Flow, EGR, Lambda/Oxygen Sensor, Fuel Pressure Regulator, Rail Pressure Sensor, Crank Angle/RPM/TDC Sensor, Coolant Temperature Sensor, Cam Angle Sensor, Boost Pressure Sensor, Fuel Temperature &amp; Water in Fuel Filter Sensor, Engine Oil Pressure Switch. Instrument Cluster should display Battery Charging Light, Oil Pressure Light, and Engine RPM, Fuel level, Glow Plugs, Engine Coolant temperature and other indications. <ul style="list-style-type: none"> <li>• Fuel Tank 10 Litre, Engine Accessories - Silencer, New 60AH Battery with Clamp. Wire</li> </ul> </li> </ul>	1

Mesh/Perforated Sheet Safety Guards for Silencer & Radiator. Plywood/FRP Cover for Panel Board rear side wiring.

- Engine should be in running condition with speed controlled from the accelerator pedal.
- Appropriate Engine Scanner should be provided.
  - Test points should be provided on the printed base so that different voltages/current, resistance values etc. can tested/understood using a multi - meter.
- Fault setting switch bank should be provided to induce faults in the training module.
  - The training module should be fitted with diagnostic socket (DLC) for automobile decoder (Scan tool) to read fault codes, clear fault codes and read live data stream.
- Scanner provided with the set up should able to read, diagnose and erase the below induced faults from the ECM memory o. the module.
- Fault setting switch bank to induce faults for at least the following and the faults should be read/visible in the Scanner of Instrument Cluster:
  - Air Flow Meter Sensor
    - EGR
  - Oxygen/Lambda Sensor
  - Crank Angle/RPM/TDC Sensor
    - Coolant Temperature Sensor
    - Fuel Pressure Regulator
- Accelerator Pedal Potentiometer/Throttle Control
  - Glow Plug Pre Heating Control Unit
    - Ignition Key
  - Boost Pressure Sensor
    - Fuel Injectors
    - Cam Angle /Timing
    - Engine Oil Pressure
    - Fuel Level
  - Rail Fuel Pressure Sensor
- CRDI Engine working principle video DVD should be supplied.
  - Detailed Manual with Wiring Diagram of the engine to be supplied.
- Detailed description of different types of generic DTC's to be provided.
- The training module should be fabricated using steel pipe frame with spray painted for good looks and the entire setup is provided on caster wheels with brakes for easy movement of the same.

**Note: Proof of New Engine Certificate and Guarantee Certificate from Engine-**

<b>Manufacturer should be provided.</b>			
200	Cut section of Diesel of 4/6 cylinder diesel Engine	with moving condition to show momentum of internal parts	1
201	Fuel injection test bench for calibration of full pump	standard item from reputed brand	1
202	Diesel Engine	six Cylinder in running condition The engine should be branded new 4 strokes, 6 cylinder BSVI engine with all accessories Radiator, fan, water, cooling system, Diesel tank and complete electrical wiring in perfect running condition mounted on M.S channel with Battery	1
203	Battery-SMF	standard item from reputed brand	1
204	Brake Fluids	standard item from reputed brand	5
205	Chalk, Prussian blue	standard item from reputed brand	2
206	Chemical Compound for fasteners	standard item from reputed brand	2
207	Diesel	standard item from reputed brand	150
208	Different type gasket material	standard item from reputed brand	5
209	Different type of oil seal	standard item from reputed brand	1
210	Drill Twist	(assorted)	1
211	Emery paper	36-60 grit, 80-120	1
212	Engine Oil & Engine Coolant	standard item from reputed brand	5
213	Gear oils	standard item from reputed brand	5
214	Gloves for Welding	(Leather and Asbestos)	10
215	Hacksaw blade	(Consumable)	1
216	Hand rubber gloves	tested for 5000v	10
217	HOLDERS, Lamp Teakwood Boards plug shockers	standard item from reputed brand	1
218	Hydrometer	standard item from reputed brand	16
219	Lapping abrasives	standard item from reputed brand	1
220	Leather Apron	standard item from reputed brand	10
221	Petrol	standard item from reputed brand	150

222	Power steering Oil	standard item from reputed brand	5
223	Radiator Coolants	standard item from reputed brand	5
224	Safety Glasses	standard item from reputed brand	20
225	Steel Wire	50mm X 150mm	10
<b>CLASS ROOM FURNITURE FOR TRADE THEORY</b>			
226	White board size 1200mm X 900mm	with Aluminum Beading , size 6 X 4 feet	1 No.

**The above list of standard accessories are tentative and the bidder shall have authority to supply additional accessories as they deemed fit for the successful operation of the machines, Tools and Equipment after the supply at site as per NCVT "MECHANIC DIESEL" Trade Tool List Guidelines.**

**Note: All items as above should be of standard/reputed make and should bear ISI stamp wherever applicable.**

**ANNEXURE -B**

**(Undertaking from Bidder on their official stationery)**

To,  
The General Manager (GM),  
NSIC-Technical Services Centre,  
A-1, Industrial Estate, Aligarh – 202001

Sir,

Subject: Undertaking for the participation in the tender No. NSIC/LBI/NAINI/2021-22/MD (R2) due for opening of technical bid on **19.08.2021**.

Dear Sir,

HAVING EXAMINED AND PERUSED THE FOLLOWING DOCUMENTS

1. Notice Inviting Tender
2. Instructions to The Tenderer
3. Details of requirements and technical specifications (Annexure-A)
4. Annexure – C (Technical Bid)
5. Annexure – D (Financial Bid)

I/We .....do hereby submit the above tender in prescribed formats duly completed in all respects in accordance with the conditions applicable. If this tender is accepted, I/We agree to abide by and fulfil all the terms and conditions in the tender documents.

I/We hereby distinctly and expressly declare and acknowledge that before the submission of this tender, I/We have carefully read and followed the instructions and I/We have understood the existing system of supply at the location(s) of purchaser including the scope and nature of duties expected from the Bidder.

I/We distinctly agree that I/We would hereafter make no claim or demand upon the purchaser based upon or arising out of any alleged misunderstanding or misconceptions or mistake on my/our part of the said stipulations, restrictions and conditions.

I/ We declare that our unit has never made any default in supplying the machine/equipment to Government / Semi Government/ Central or State Public sector enterprise(s) for any reasons in the last five years.

Any notice required to be served on me/us shall be sufficiently served on me/us through email or post (registered or ordinary) or courier or left at my/our address furnished herein.

.....  
.....

I/We fully understand the terms and conditions in the tender documents.  
I/We understood that the purchaser is not bound to accept any proposal that it may receive without assigning any reason.

Dated this.....day of.....2020

Authorized Signatory  
Seal:



**ANNEXURE-C**

**FORMAT & REQUIREMENTS FOR SUBMITTING TECHNICAL BID**

1. **Tender Ref. No:** .....

2. **Name of Bidder:** .....

3. **Complete office address/contact numbers/Email ID/Mobile Number of Bidder:** .....

4. **Tender fee payment details** (if tender document downloaded from website)  
Details of DD/RTGS/NEFT by which tender fee paid.....

5. **Confirmation of acceptance of Technical Specifications for the supply of machine:**

<b>LIST OF TOOLS AND EQUIPMENT</b>					
<b>NCVT MECHANIC DIESEL TRADE</b>					
S.NO.	NAME of the Tool & Equipment	Specification	Qty	Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)	If marked "NO" in the column before, specify the deviation in specification of the machine offered for the supply.
1	Allen Key set of 12 pieces	2mm to 14 mm	75		
2	Calliper inside with spring	15 cm	75		
3	Calliper outside with spring	15 cm	75		
4	Centres Punch	10mm.Dia.x100mm	75		
5	Dividers With Spring	15cm	75		
6	Electrician Screw Driver	250mm	75		
7	Hammer ball peen with handle	0.5kg	75		
8	Hand File for Second cut Flat	20 cm	75		
9	Screws Driver set 5 pieces	100mm to300mm	75		
10	Pliers Combination	20 cm	75		

11	Screw driver Blade	20cm X 9mm	75		
12	Screw driver Blade	30cm X 9mm	75		
13	Scriber	15 cm	75		
14	Spanner D.E. set of 12 pieces	6mm to 32mm	75		
15	Spanner, right set of 12	6 to 32mm. (metric)	75		
16	Spanner socket with speed handle, T-bar, ratchet and universal set of 28 pieces with box	up to 32mm	75		
17	Steel tool box with lock and key	400X20X150mm	75		
18	Steel rule	30 cm inch and metric	20		
19	Wire cutter and stripper	100MM	75		
<b>TOOL &amp; EQUIPMENT</b>					
20	Adjustable Spanner	350mm (pipe wrench)	4		
21	Air Blow gun with Standard accessories	Reputed make	2		
22	Ammeter DC with external Shunt	300A/.60A	8		
23	Air ratchet with standard accessories	Reputed brand make	8		
24	Air impact wrench with standard accessories	Reputed brand make	8		
25	Angle plates adjustable	250X150X175 mm	2		
26	Angle plate size	200X100X200 mm	4		
27	Anvil with Stand	50kgs.	2		
28	Auto Electrical test bench	(GN)	2		
29	Battery-charger	To be provided	4		
30	Blow Lamp	1Litre	4		
31	Belt Tensioner gauge	standard item from reputed brand	2		
32	Calliper inside	15cm	8		

	with Spring				
33	Callipers outside with spring	15cm	8		
34	Car jet washer with standard accessories	To be provided	2		
35	Chain Pulley Block Capacity with tripod stand	3 ton	2		
36	Chisel flat	10 cm	8		
37	Chisels cross cut	200mm X 6mm	8		
38	Circlip pliers Expanding and Contracting	15cm and 20cm	8		
39	Clamps C	100mm	4		
40	Clamps C	150mm	4		
41	Clamps C	200mm	4		
42	Cleaning tray	45X30 cm	8		
43	Compression testing gauge suitable	for diesel Engine with standard accessories	4		
44	Connecting rod alignment fixture	standard item from reputed brand	2		
45	Copper bit soldering iron	0.25kg	8		
46	Cylinder bore gauge capacity	20to 160mm	8		
47	Cylinder liner-Dry & wet liner, Press fit & slide fit liner	standard item from reputed brand	2		
48	DC Ohmmeter	0 to 300 Ohms	4		
49	Depth micrometer	0-250mm	8		
50	Dial gauge type 1 Gr. A	(complete with clamping devices and with magnetic stand)	8		
51	Different type of Engine Bearing model	standard item from reputed brand	2		
52	Different type of Piston model	standard item from reputed brand	2		

53	Dividers With Spring	15cm	8		
54	Drift Punch Copper	15cm	8		
55	Drill point angle gauge	standard item from reputed brand	2		
56	Drill twist	1.5mm to 15mm by 0.5mm (various Size)	8		
57	Electric Soldering Iron	230v 60 watts 230 V 25 watts	4		
58	Electric testing screw driver	To be provided	8		
59	Engineer's scope	Blade size 15cm	8		
60	Engineer's stethoscope	standard item from reputed brand	2		
61	Feeler gauge 20 blades	(metric)	8		
62	File Flat, bastard	20cm	8		
63	File half round, Second cut	20cm	8		
64	File Square Second Cut	20cm	8		
65	File, Square round	30 cm	8		
66	File triangular, Second cut	15cm	8		
67	Files assorted size and types including safe edge file (20 No's) (ISO, STD)	To be provided	4		
68	Flat File, Second Cut	25 cm	8		
69	Flat File, bastard	35cm	8		
70	Fuel feed pump for Diesel	standard item from reputed brand	2		
71	Fuel Injection pump	(Diesel) inline	2		
72	Fuel Injection pump dismantling tool kit / Universal Vice	standard item from reputed brand	2		
73	Fuel injection pump VE pump / Distributer fuel rotary pump (DPC) pumps / along with	standard item from reputed brand	2		

	special tools and accessorial				
74	Gloves for Welding	(Leather and Asbestos)	10		
75	Glow plug tester	standard item from reputed brand	4		
76	Granite surface plate with stand and cover	1600 X 1000 mm	2		
77	Grease Gun	To be provided	4		
78	Grease Gun heavy duty trolley type	10 kg Capacity	2		
79	Growler	To be provided	4		
80	Hacksaw frame	adjustable 20-30cm	20		
81	Hammer Ball Peen	0.75Kg	8		
82	Hammer Chipping	0.25Kg	10		
83	Hammer Copper with handle	1 kg	8		
84	Hammer Mallet	( WOODEN) standard item from reputed brand	8		
85	Hammer Plastic	( WOODEN) standard item from reputed brand	8		
86	Hand operated crimping tool	1-up to 4mm,2- up to 10mm	4		
87	Hand reamers adjustable	10.5 to 11.25 mm, 11.25 to 12.75 mm, 12.75mm and 14.25 to 15.75mm	4		
88	Hand Shear Universal	250mm	4		
89	Hand Vice	up to 37 mm	4		
90	Hollow Punch set of 7 pieces	6mm to 15mm	4		
91	Injector- Multi hole type, Pin type (ISO, STD)	standard item from reputed brand	8		
92	injector Cleaning unit	standard item from reputed brand	2		
93	Injector Testing set	(Hand tester)	2		
94	Insulated Screw driver	20 cm X 9mm blade	8		

95	Insulated Screw driver	30cm X 9mm blade	8		
96	Left cut snips	250mm	8		
97	Lifting jack screw	3 ton, 5ton & 20Ton.	2		
98	Magneto spanner set with 8 spanners	standard item from reputed brand	2		
99	Magnifying glass	75mm	4		
100	Marking out table	90X60X90 cm.	2		
101	Multimeter digital	To be provided	10		
102	Oil can	0.5/0.25Litre capacity	8		
103	Oil Pump for dismantling and assembling.)	550	4		
104	Oil Stone	15 cm X 5 cm X 2.5 cm	2		
105	Oscilloscope	20MHz	4		
106	Outside micrometer	0 to 25 mm	4		
107	Outside micrometer	25 to 50mm	4		
108	Outside micrometer	50 to 75mm	2		
109	Outside micrometer	75 to 100mm	2		
110	Philips Screw Driver set of 5 pieces	100 mm to 300 mm)	4		
111	Pipe Cutting tool	standard item from reputed brand	4		
112	Pipe flaring tool	standard item from reputed brand	4		
113	Piston ring Compressor.	standard item from reputed brand	4		
114	Piston Ring expander and remover	standard item from reputed brand	4		
115	Piston Rings groove Cleaner.	standard item from reputed brand	2		
116	Pliers combination	20cm	4		
117	Pliers flat nose	15 cm	4		
118	Pliers round nose	15 cm	4		
119	Pliers side cutting	15 cm	4		
120	Portable electric drill Machine	0-10mm	2		
121	Prick Punch	15 cm	8		

122	Punch Letter 4mm	(Number)	4		
123	Radiator cut section-cross flow	standard item from reputed brand	2		
124	Radiator cut section down flow	standard item from reputed brand	2		
125	Radiator pressure cap	standard item from reputed brand	4		
126	Right cut ships	250mm	4		
127	Rivet sets snap and Dolly Combined	3mm,4mm, 6mm,	4		
128	Scraper flat	25 cm	4		
129	Scraper half round	25 cm	4		
130	Scraper Triangular	25	4		
131	Scriber	15 cm	4		
132	Scriber with scribing black universal	To be provided	4		
133	Set Of Stock and dies metric	To be provided	4		
134	Tinman Shear	450 X 600mm	4		
135	Sheet Metal Gauge	To be provided	4		
136	Tinman Shear	300mm	8		
137	Soldering Copper	Hatchet type 500gms	4		
138	Solid Parallels in pairs	(Different size) in Metric	4		
139	Spanner Clyburn	15 cm	2		
140	Spanner D.E. set of 12pieces	6mm to 32mm	8		
141	Spanner T flocks for screwing up and up-screwing inaccessible	To be provided	4		
142	Spanner adjustable	15 cm	4		
143	Spanner rings set of 12 metric size	6 to 32mm	8		
144	Spanners socket with speed handle T-bar, ratchet and	standard item from reputed brand	4		

	universal			
145	Spark Lighter	standard item from reputed brand	4	
146	Spark plug spanner	65, 14mm X 18mm X size	4	
147	Starter motor axial type,	pre-engagement type & Co-axial type	2	
148	Steel Measuring tape in a case	10 meter	8	
149	Steel rule 15 cm inch and metric	To be provided	8	
150	Steel rule 30 cm inch and metric	To be provided	8	
151	Straight edge gauge 2 ft.	To be provided	4	
152	Straight edge gauge 4 ft.	To be provided	4	
153	Stud extractor set of 3	To be provided	4	
154	Stud remover with socket handle	To be provided	2	
155	Surface gauge with dial test indicator plunger type	0.01 mm	8	
156	Tachometer	(Counting type)	2	
157	Tandem master cylinder with booster	standard item from reputed brand	8	
158	Taps and Dies Complete sets	(5 type)	2	
159	Taps and wrenches- metric	To be provided	4	
160	Telescope gauge	standard item from reputed brand	8	
161	Temperature gauge with sensor	0-100 C	4	
162	Thermostat	standard item from reputed brand	4	
163	Thread Pitch gauge Metric	To be provided	4	
164	Timing lighter	standard item from reputed brand	4	
165	Torque wrenches	5-35 Nm, 12-68Nm & 50-225 Nm	2	
166	Trammel	30 cm	4	



167	Turbocharger cut sectional view	standard item from reputed brand	2		
168	Tyre pressure gauge with holding nipple	standard item from reputed brand	4		
169	Universal puller for removing pulleys, bearings	standard item from reputed brand	2		
170	V' block 75 X 38 mm pair with Clamps	To be provided	4		
171	Vacuum gauge	0 to 760 mm of Hg.	4		
172	Valve Lifter	standard item from reputed brand	2		
173	Valve spring compressor universal	standard item from reputed brand	2		
174	Vernier calliper	0-300mm with least count 0.02mm	8		
175	Vice grip pliers	To be provided	4		
176	Water pump for dismantling and assembling	Tractor & Motor Vehicle	8		
177	Wire gauge	100 MM (metric)	4		
<b>GENERAL SHOP OUTFIT</b>					
178	Air conditioned CRDi Vehicle in Running Condition - LMV	4 Stroke New Vehicle With RTO Registration. Vehicle should be brand new and should be registered at R.T.O office Prayagraj in the name of "NSIC-LBI NAINI PRAYAGRAJ"	1		
179	Arbour press hand operated 2 ton capacity	2 ton capacity	1		
180	Automotive exhaust 5 gas analyzer	(petrol& Diesel) or Diesel Smoke meter	1		
181	Bench lever shears	250mm Blade X 3mm	1		
182	Diesel engine CRDi 4 Stroke (New)	<ul style="list-style-type: none"> <li>• Diesel Engine CRDI 4 Stroke for Dismantling &amp; Assembling with Swivelling Stand</li> <li>• Brand New Diesel Engine</li> </ul>	1		

CRDI 4 Cylinder,  
Turbocharged, Aluminium  
engine head and cast iron  
block. (Proof of New  
Engine to be provided -  
Invoice of Engine  
Manufacturer or Engine  
Manufacturer's Authorized  
Dealer) )0 Bore: 70 - 90  
mm

- Stroke: 80 - 110 mm
- Displacement: 1100 -  
1500 cc
- Minimum power: 85  
BHP@ 3750 — 4250 RPM
- Compression Ratio 16 —  
22:1
- 4 Valve per cylinder,  
DOHC, Ignition & fuel  
system Common rail direct  
injection.
- Cooling System: Water  
Cooling
- Complete Panel Board  
Control with all Brand New  
Original Equipment Parts  
(proof to be provided-  
invoice o manufacturer or  
manufacturer's authorized  
dealer) like Turbocharger,  
Catalytic Converter, ECM,  
BCM, Ignition Switch with  
Keys, Wiring Harnesses,  
Instrument Cluster, OBD  
II Compliant Diagnostic  
Socket, Electronic  
Accelerator Pedal  
Alternator, Starter Motor,  
Radiator with Intercooler  
and Cooling Fan, Air Filter  
Assy., A Mounting, Fuse  
Box, Glow Plug Timer, Fuel  
Filter, Engine Sensors like  
Air Mass Flow, EGR,  
Lambda/Oxygen Sensor,  
Fuel Pressure Regulator  
Rail Pressure Sensor,  
Crank Angle/RPM/TDC  
Sensor, Coolant

Temperature Sensor, Cam Angle Sensor, Boost Pressure Sensor, Fuel Temperature & Water in Fuel Filter Sensor, Engine Oil Pressure Switch.

- Instrument Cluster should display Fuel level, Battery Charging Light, Oil Pressure Light, Engine RPM, and Engine Coolant Temperature.
- Fuel Tank 10 Litre, Engine Accessories- Silencer, and New 60AH Battery with clamp, Safety Guard for Silencer & Radiator.
- Engine will be in running condition with speed controlled from the accelerator pedal.
- Appropriate Engine Scanner to be provided.
- Complete tool kit required should be supplied.
- Engine should be mounted on MS Rectangle/Square Pipe Frame Rotating 360 Degrees with Brake / Stopper available on all four wheels.
- The M.S. Stand should be spray painted and/or powder coated.
- Detailed Manual with Wiring Diagram on Working Principle, Dismantling and Assembling Procedure should be provided.

**Note: Proof of New Engine Certificate and Guarantee Certificate from engine Manufacturer should be provided.**

183	Diesel engine Stationary type	8-10 HP latest technology	1		
184	Discrete Component Trainer / Basic Electronics Trainer	To be provided	1		
185	Drilling machine	bench to drill up to 12 mm dia. along with accessories	1		
186	Dual Magnetization Yoke	AC/HWDC, 230VaC, 50Hz,	1		
187	Grinding machine	(general purpose) D.E. pedestal with 300mm dia. Wheels rough and smooth	1		
188	Heavy Commercial Vehicle type	(White out body on frame) truck with latest technology. It should be brand new fitted with latest BSVI engine with EATS (exhaust after treatment system) BSVI Engine. The vehicle chassis should be registered at R.T.O Prayagraj in the name of "NSIC-LBI NAINI PRAYAGRAJ"	1		
189	Hydraulic jack Hi- Lift type	3 ton capacity, and 5 Ton capacity	1		
190	Liquid penetrate Inspection kit	standard item from reputed brand	1		
191	Multi Scan Tool with oscilloscope	Make from reputed brand. Multi Scan Tool with oscilloscope able to scan Engine, ABS & EBD, AT, SRS, SAS, Body Control and immobilizer from all Bharat Stage Vehicles from the year 2004 to till date. ANDROID BASED operating system with Wireless data transmission from car to scanner. Most advance scanner with function of automotive sensor simulation test	1		

		<p>specially designed to diagnose and simulate vehicle sensor faults for sensors like MAP sensor, Intake air temperature sensor, TP sensor etc. Can also do "DC voltage simulation", "Fixed frequency simulation", "Predefined waveform simulation" and "Hand-painted waveform simulation showing result in scanner itself. Hardware Specifications Operating System: Android 5.1 Display 10.1" IPS display CPU:1.3 GHz quad core Ram: 1GB Battery: 7000 mAh Camera: Front 2Mp Rear 5Mp.</p>			
192	Pipe Bending Machine	12 mm to 30mm(Hydraulic type)	1		
193	Pneumatic rivet gun with standard accessories	standard item from reputed brand	2		
194	Spring tension tester	standard item from reputed brand	1		
195	Tin Smiths bench folder	standard item from reputed brand	1		
196	Trolley type portable air	Compressor Single cylinder with 45 litres capacity Air tank, Along with Accessories & with working pressure 6.5kg/sq. cm,	1		
197	Welding plant Oxy-Acetylene complete	(high Pressure) Both oxygen and acetylene cylinder should brand new with test Certificate from explosive dept. Nagpur.	1		
198	Welding Transformer	15-300Amps	1		

199	Working Condition of Diesel Engine	<p>CRDi-4 stroke Engine, Assembly with fault simulation board WORKING CONDITION OF DIESEL ENGINE CRDI - 4 STROKE ENGINE ASSEMBLY WITH FAULT SIMULATION BOARD</p> <ul style="list-style-type: none"> <li>• Brand New Diesel Engine CRDI 4 Cylinder, Turbocharged, Aluminium engine head and cast iron block. (Proof of New Engine to be provided - Invoice of Engine Manufacturer or Engine Manufacturer's Authorized Dealer)</li> <li>• Real and operating CRDI Diesel engine, illustrating the structure and working process. <ul style="list-style-type: none"> <li>• Bore: 70 - 90 mm</li> <li>• Stroke: 80 - 110 mm</li> <li>• Displacement: 1100 - 1500 cc</li> </ul> </li> <li>• Minimum power: 85 BHP <ul style="list-style-type: none"> <li>• 4 Valve per cylinder, DOHC, Ignition &amp; fuel system Common rail direct injection.</li> <li>• Cooling System: Water Cooling</li> <li>• Complete Panel Board Control with all Brand New Original Equipment Parts (proof to be provided-invoice of manufacturer or manufacturer's authorized dealer) like Turbocharger, Catalytic Converter, ECM, BCM, Ignition Switch with Keys, Wiring Harnesses, Instrument Cluster, OBD II Compliant Diagnostic Socket, Electronic Accelerator Pedal, Alternator, Starter Motor, Radiator with Intercooler</li> </ul> </li> </ul>	1		
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and cooling Fan, Air Filter Assy., A Mounting, Fuse Box, Glow Plug Timer, Fuel Filter, Engine Sensors like Air Mass Flow, EGR, Lambda/Oxygen Sensor, Fuel Pressure Regulator, Rail Pressure Sensor, Crank Angle/RPM/TDC Sensor, Coolant Temperature Sensor, Cam Angle Sensor, Boost Pressure Sensor, Fuel Temperature & Water in Fuel Filter Sensor, Engine Oil Pressure Switch. Instrument Cluster should display Battery Charging Light, Oil Pressure Light, and Engine RPM, Fuel level, Glow Plugs, Engine Coolant temperature and other indications.

- Fuel Tank 10 Litre, Engine Accessories - Silencer, New 60AH Battery with Clamp. Wire Mesh/Perforated Sheet Safety Guards for Silencer & Radiator. Plywood/FRP Cover for Panel Board rear side wiring.
- Engine should be in running condition with speed controlled from the accelerator pedal.
- Appropriate Engine Scanner should be provided.
- Test points should be provided on the printed base so that different voltages/current, resistance values etc. can tested/understood using a multi - meter.
- Fault setting switch bank should be provided to induce faults in the

- training module.
- The training module should be fitted with diagnostic socket (DLC) for automobile decoder (Scan tool) to read fault codes, clear fault codes and read live data stream.
  - Scanner provided with the set up should be able to read, diagnose and erase the below induced faults from the ECM memory of the module.
  - Fault setting switch bank to induce faults for at least the following and the faults should be read/visible in the Scanner of Instrument Cluster:
    - Air Flow Meter Sensor
      - EGR
    - Oxygen/Lambda Sensor
  - Crank Angle/RPM/TDC Sensor
    - Coolant Temperature Sensor
      - Fuel Pressure Regulator
    - Accelerator Pedal Potentiometer/Throttle Control
  - Glow Plug Pre Heating Control Unit
    - Ignition Key
    - Boost Pressure Sensor
      - Fuel Injectors
    - Cam Angle /Timing
    - Engine Oil Pressure
      - Fuel Level
    - Rail Fuel Pressure Sensor
  - CRDI Engine working principle video DVD should be supplied.
  - Detailed Manual with



		<p>Wiring Diagram of the engine to be supplied.</p> <ul style="list-style-type: none"> <li>• Detailed description of different types of generic DTC's to be provided.</li> <li>• The training module should be fabricated using steel pipe frame with spray painted for good looks and the entire setup is provided on caster wheels with brakes for easy movement of the same.</li> </ul> <p><b>Note: Proof of New Engine Certificate and Guarantee Certificate from Engine-Manufacturer should be provided.</b></p>			
200	Cut section of Diesel of 4/6 cylinder diesel Engine	with moving condition to show momentum of internal parts	1		
201	Fuel injection test bench for calibration of full pump	standard item from reputed brand	1		
202	Diesel Engine	<p>six Cylinder in running condition</p> <p>The engine should be branded new 4 strokes, 6 cylinder BSVI engine with all accessories Radiator, fan, water, cooling system, Diesel tank and complete electrical wiring in perfect running condition mounted on M.S channel with Battery</p>	1		
203	Battery-SMF	standard item from reputed brand	1		
204	Brake Fluids	standard item from reputed brand	5		
205	Chalk, Prussian blue	standard item from reputed brand	2		
206	Chemical Compound for fasteners	standard item from reputed brand	2		

207	Diesel	standard item from reputed brand	150		
208	Different type gasket material	standard item from reputed brand	5		
209	Different type of oil seal	standard item from reputed brand	1		
210	Drill Twist	(assorted)	1		
211	Emery paper	36-60 grit, 80-120	1		
212	Engine Oil & Engine Coolant	standard item from reputed brand	5		
213	Gear oils	standard item from reputed brand	5		
214	Gloves for Welding	(Leather and Asbestos)	10		
215	Hacksaw blade	(Consumable)	1		
216	Hand rubber gloves	tested for 5000v	10		
217	HOLDERS, Lamp Teakwood Boards plug shockers	standard item from reputed brand	1		
218	Hydrometer	standard item from reputed brand	16		
219	Lapping abrasives	standard item from reputed brand	1		
220	Leather Apron	standard item from reputed brand	10		
221	Petrol	standard item from reputed brand	150		
222	Power steering Oil	standard item from reputed brand	5		
223	Radiator Coolants	standard item from reputed brand	5		
224	Safety Glasses	standard item from reputed brand	20		
225	Steel Wire	50mm X 150mm	10		
<b>CLASS ROOM FURNITURE FOR TRADE THEORY</b>					
226	White board size 1200mm X 900mm	with Aluminium Beading , size 6 X 4 feet	1 No.		

**The above list of standard accessories are tentative and the bidder shall have authority to supply additional accessories as they deemed fit for the successful operation of the machines, Tools and Equipments after the supply at sites as per NCVT "MECHANIC DIESEL" Trade Tool List Guidelines.**

**Note: All items as above should be of standard/reputed make and should bear ISI stamp wherever applicable.**

**6. Confirmation for supply to the location:**

#	Details	Location
		NSIC (LBI), Prayagraj
1	Tentative quantity required	1 lot
2	Consent to supply: (write YES/ NO only)	

**7. EMD payment details** (Not applicable if the bidder is holding valid registration/ exemption certificate, as per Para 13 (c) of Instruction to Tenderers): Details of DD/RTGS/NEFT by which EMD paid .....

Bid Security Declaration Form for NSIC-Technical Services Centre, Aligarh shall be submitted.

**8. PAN of bidder** (self-attested copy to be enclosed).....

**9. GSTIN registration number of bidder** (self-attested copy to be enclosed).....

**10. Delivery period after receipt of supply order from purchaser:** (The purchaser is expected to complete delivery of machine by the bidder within twenty (20) calendar days from the date of issue of supply order. However, the bidder has an option to submit the best delivery time, but in any case, the delivery should be before 30 days from the date of issue of supply order by purchaser. Delivery to be completed in number of days ..... (Calendar Days In figure)..... (Calendar Days in words) for delivery from the date of issue of supply order by purchaser.

**11. Details of address with contact details from where the bidder planned to offer After Sales Services during the Warranty & after warranty Maintenance period :**

#	Location
Details of address of bidder for rendering 'After Sales Services'	NSIC Livelihood Business Incubation Center(LBI) Udyog Nagar, Industrial Estate, Naini, Prayagraj- 211008

**12. Details of address with contact details for at least three (03) purchaser to whom the bidder supplied similar machine in the last five (05) years and machine shall be in operations to the satisfaction of buyer for the last three (03) years:** The format for submission of details for at least three purchaser are as under: (the bidder can furnish details of even more than three purchaser)

- Address of Purchaser with contact details (email and phone no.):.....
- Details of order for supply placed to bidder:.....

- c. Description and quantity of ordered equipment:.....
- d. Value of order in rupees:.....
- e. Date of completion of delivery:.....

***(The purchaser shall have liberty to contact any or all of purchaser to assess the performance of machine supplied by bidder)***

**13. Documents - Details to be enclosed with the Technical bid by bidder are as under:**

- a) In case the bidder is Original Equipment Manufacturer, the bidder to submit self-declaration on their letter-head, confirming that they are regular in manufacturing & supplying the similar machines, as asked in this tender, for the last Ten (10) years wherever applicable.
- b) In case the bidder is Authorized Distributor of OEM / Authorized Dealer of OEM, the bidder to attach self-certified valid authorized Distributorship / Dealership license from Original Equipment Manufacturer and shall be engaged in regular manufacturing and supply of similar machine for the last ten (10) years& engaged with the present OEM for the last three years for which this tender is participating wherever applicable.
- c) The Original Equipment Manufacturer shall attach the self-certified copy of valid ISO Certificate for their establishment wherever applicable.
- d) In case the bidder is Authorized Distributor of OEM / Authorized Dealer of OEM, the bidder to attach the self-certified copy of valid ISO Certificate of their OEM wherever applicable.
- e) To avail benefit of Public Procurement Policy by SC/ST Micro & Small Enterprises, the requirement of documents to substantiate their claim (As per Para 5 of this tender) shall be submitted with Technical Bid.
- f) Undertaking as per annexure-B on official stationery.
- g) Duly signed all pages of "Instructions to Tenderers" of the tender document as a mark of acceptance.
- h) The letters substantiating performance from at least three (03) other purchasers, to whom, the similar machine supplied by the bidder in last five (05) years, wherein, the machine shall be in operation to the satisfaction of buyer for the last three (03) years, to access performance of the machine supplied by your organization wherever applicable.
- i) Technical Literature of machine(s) with particular reference to the model of machine proposed to supply against this tender along with reference of website to assess the further features wherever applicable.
- j) Authorization letter in favour of personnel to sign the tender on behalf of bidder.
- k) Duly filled in Bid Security Declaration Form.
- l) Self-certified copy of valid certificate for claiming Tender Fee exemption.
- m) Self-attested copy of valid GSTIN registration.
- n) Self-attested copy of valid PAN.

- o) In case Tender Fee paid through online banking system, the details of UTR Number and date shall be submitted.
- p) In case the tender downloaded from website, then either the Demand Draft towards tender's fees or UTR number and date for the transfer of tender fees shall be enclosed with the technical bid.
- q) The Bidders shall furnish complete Technical details of machine/equipment/material for the machine offered to supply through the participation of this tender (use separate sheet to elaborate the details of technical specifications such as Measuring Range/Size, Least Count/Resolution, Accuracy, Materials used, Accessories, Tools, Spares, software, etc.) wherever applicable.
- r) To submit all supporting information with respect to the technical data, drawings or booklets of product. Any product brief, test certificates available may be enclosed wherever applicable.

I/We as bidder certify that:

- a. The tender shall remain valid for acceptance for 90 days from the date of opening the Technical Bid of the tender.
- b. Agree to offer services for onsite comprehensive warranty on the machine(s) for two years supplied through this tender wherever applicable.
- c. Agree to offer services for maintenance contract for the next three (03) years for the machine(s) supplied through this tender wherever applicable.
- d. Agree to impart onsite training to the designated personnel of purchaser for 05 working days wherever applicable.
- e. No price of any Machine/ Equipment/ Spares/ Accessories shall be given in Technical Bid.
- f. All above machines should be provided with safety features/ curtains/enclosure/ stands etc. wherever applicable.
- g. Units should certify that all consumables, electrical and electronic parts of the product conform to national/ international standard(s).

Name & Signature of the authorized bidder with stamp  
Contact details of authorized person of bidder who have signed the tender.

Name.....  
Designation.....  
Phone (office).....  
Phone (Mobile).....  
E mail.....

**Annexure –“D”**

**FORMAT FOR SUBMISSION OF FINANCIAL BID**

1. Tender Ref. No: NSIC/LBI/NAINI/2021-22/MD (R2)
2. Name of the Bidder: .....
3. The financial offer to execute the supply as per the tender:

**a. Supply of Machine to NSIC- (LBI), Naini-Prayagraj location:**

#	Details	Unit Price of Machine before GST of single unit (In Rs.)	Quantity to be supplied (In No.)	Total Price of Machine before GST(Multiply column no 2 and 3) (In Rs.)
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
a.	Offered financials for the Supply, Installation, and Commissioning at site & Training to trainers with commitment to offer on site after sales Services in the period of Warranty and maintenance contract for the machine offered to supply, as agreed in technical bid of the tender no. NSIC/LBI/NAINI/2021-22/MD (R2)			
b.	Total Price of Machine before GST for the supply of total quantity as detailed at row 'a' above to the location at NSIC-(LBI), Naini, Prayagraj, (Row a) (In Figure Rs.)			
c.	Total Price of Machine before GST for the supply of total quantity as detailed at row 'a' above to the location at NSIC-(LBI), Naini, Prayagraj location (Row a) (In words) .....			

The following to be noted while submitting financial details for the supply of machine to the individual location:

- a. The competitiveness of bid shall be made on location of supply basis on the evaluation of "Unit Price of Machine before GST".
- b. The Purchaser shall compare the "Unit Price of Machine before GST" of all the responsive bids to determine the lowest bid for a particular location.
- c. The bidder shall note that they are not supposed to put any GST amount in the Financial Bid. However, after the supplies, they have to issue the GST invoice indicating the Price of machine as quoted in the Commercial Offer and thereafter specify the GST as applicable at the time of delivery. The Purchaser shall pay total amount which includes the unit price of machine as well as the GST as applicable at the time of delivery.
- d. The Total Cost quoted above should be inclusive of Basic Price, Transportation, Incidental Services (including Insurance, Loading/ Unloading, Packing & Forwarding charges etc.), Installation, Commissioning, Demonstration & Training, on-site warranty for two years and maintenance contract for three years after warranty period.

- e. The Purchaser is authorized to ask the evidence from bidder to counter-check that the GST as claimed by the bidder at the time of issue of invoice after the supply of machines.
- f. The bidder will not be entitled to any increase in Unit Price of the machine before GST occurring during the period of delivery for any reason.
- g. The "Unit Price of the machine before GST" should be inclusive of all costs involved for the delivery to the destination(s) including the cost of Installation & Commissioning at destination, Training to the local trainer (as detailed at Para 3(c & d) of "Scope of Supplies" of this tender), Cost of services to be provided during Comprehensive Warranty of two years. (Refer Para 3(e) of "Scope of Supplies" of this tender) and cost of services to be provided in the period of AMC for three years after the expiry of warranty period of two years (Refer Para 3 (f) of the "Scope of Supplies" of this tender.)
- h. No extra payment or revision of "Price of Machine before GST" shall be accepted on account of any discrepancy in nomenclature of items. The Bidder is advised to seek clarification, if any, desired before submitting the tender.
- i. The competing bids of "Unit Price of the machine before GST" shall be given due consideration as the Financial Bid would be evaluated on the basis of lowest price.

I/We as bidder certify that:

- i. The tender shall remain valid for acceptance for 90 days from the date of opening the Technical Bid of the tender.
- ii. Agree to offer services for onsite comprehensive warranty for two years on the machine(s) supplied through this tender wherever applicable.
- iii. Agree to offer services for maintenance contract for the next three years after warranty period for the machine(s) supplied through this tender wherever applicable.
- iv. Agree to impart onsite training to the designated personnel of purchase for 05 working days wherever applicable.
- v. Agree to three (03) sets of the Installation, Operation, Maintenance, and Training Manuals with machine.
- vi. Agree that the offer price is valid for a period of 90 days from the date of opening of technical bid of this tender.

Further confirm that we agree with the terms and conditions specified in "Instructions to Tenderers" and if selected, the execution of supplies would be made in compliance.

Name & Signature of the authorized bidder with stamp  
Contact details of authorized person of bidder who have signed the tender.

Name.....  
Designation.....  
Phone (office).....  
Phone (Mobile).....  
E mail.....

**ANNEXURE – E**

**BID SECURITY DECLARATION FORM**

Date: \_\_\_\_\_ Tender No.: \_\_\_\_\_

To (insert complete name and address of the purchaser)

I/We. The Undersigned, declare that:

I/We accept that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am/ We are in a breach of any obligation under the bid conditions, because I/We

- a. Have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b. Having been notified of the acceptance of our Bid by the purchaser during the period of bid validity
  - i. Fail or refuse to execute the contract, if required, or
  - ii. Fail or refuse to furnish the Performance Security, in accordance with the instructions to Bidders.

I/We understand the Bid securing Declaration shall cease to be valid if I am/we are not the successful bidder, after the earlier of

- i. The receipt of your notification of the name of the successful Bidder; or
- ii. Thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)  
In the capacity of (insert legal capacity of person signing the bid securing Declaration)

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on \_\_\_\_\_ Day of \_\_\_\_\_ (insert date of signing)

Corporate seal (where appropriate)

(Note: In case of a joint Venture, the bid Securing declaration must in the name of all partners to the joint venture that submits the bid)