

TENDER FOR INSTRUMENT / EQUIPMENTS

TENDER NO.
NSIC/TSC/DST-STEP/Tender/01/10-11

NSIC TECHNICAL SERVICES CENTRE

(THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.)
(A GOVT. OF INDIA ENTERPRISE)

AJI INDUSTRIAL AREA,
BHAVNAGAR ROAD,
RAJKOT - 360 003.

Ph : 2387397-8, 2387613 FAX : 0281 - 2387729

E-Mail : ntscraj@nsic.co.in Web Site : <http://www.nsic.co.in>



TENDER NOTICE

**Science and Technology Entrepreneurs Park
NSIC-DST-STEP Project
NSIC-Technical Services Centre
(A Unit of NSIC Ltd., A Govt. of India Enterprise)
Aji Industrial Area, Bhavnagar Road, Rajkot-360 003**

On behalf of Chairman-Cum-Managing Director, NSIC Ltd, separate sealed tenders are invited from only manufacturers for supply of Listed Instruments/Equipments in TWO BID system, viz. (1) Technical & Commercial and (2) Financial Bid under NSIC-DST-STEP project. The details of the equipments, specifications and terms and conditions can be had from “Dy. General Manager (I/c)”, Under NSIC-DST-STEP Project, NSIC-Technical Services Centre, Aji Industrial Area, Bhavnagar Road, Rajkot-3 by paying Tender fee of Rs. 500/- in the form of DD favoring **“SCIENCE AND TECHNOLOGY ENTREPRENEURS PARK-NSIC”** Payable at Rajkot

The tender document can also be down loaded from our Web site: www.nsic.co.in. The term Centre as mentioned in tender document refers to NSIC-DST-STEP. The tender fee can be enclosed along with tender document in a separate envelope by clearly mentioning “**Tender Fee**” on it. **Completed tender forms can be submitted “in a Sealed cover” to “Dy. General Manager (I/c), Under NSIC-DST-STEP Project at above address” by 2.00 PM on 23/11/10.** Technical bids will be opened on the same day at 3.00 PM.

Tender should be submitted in four covers as under all covers should be **SUPERSCRIPED** i.e. Technical & Commercial bid/financial bid/EMD/Tender fee./Tender No./Name of instrument with bidders full address. The terms and conditions should be attached with Technical & commercial bid. All the following four covers should be sealed separately and put into a separate sealed cover.

Cover (I) Technical & commercial bid. No financial terms should be mentioned directly or indirectly in the technical & commercial bid.

Cover (II) - Financial Bid in a separately sealed cover.

Cover (III) **EMD should be paid as mentioned in the tender documents.**

Cover-(IV): Tender Fee in case of using down loaded Tender form

The tender fee and EMD should be paid in the form of DD in favour of “SCIENCE AND TECHNOLOGY ENTREPRENEURS PARK-NSIC A/c” payable at Rajkot.

- **NSIC registered unit are exempted from Tender Fee & EMD.**

TENDER NO: NSIC/TSC/DST -STEP/Tender/01/10-11

DATE :

**To,
The Dy. General Manager (I/c),
NSIC -DST-STEP Project
NSIC-Technical Services Centre ,
Aji Industrial Area,
Bhavnagar Road,
RAJKOT-360 003.**

Ref:- Your Advertisement in _____ Dated _____

Sub:- Sealed Tender offered for the supply of _____

Dear Sir,

With reference to your above referred advertisement, we are herewith submitting our offer for the above said instrument/equipment.

We have gone through the general terms & conditions of this tender as attached and we fully agree to abide by the same.

We would like to inform you that the **VALIDITY** of THIS OFFER IS 90 DAYS AND CAN BE / CAN NOT BE EXTENDED on request, if required.

Thanking you,

Yours truly,

Signature:

PLACE _____
DATE _____

NAME: _____
DESIGNATION _____

Official Seal

Note:

All covers should be **SUPERSCRIPED** i.e. Technical & Commercial bid/financial bid/EMD/Tender fee./Tender No./Name of instrument with bidders full address. The terms and conditions should be attached with Technical & commercial bid. All the following four covers should be sealed separately and put into a separate sealed cover.

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❖ **NSIC registered unit are exempted from Tender Fee & EMD.**

Specifications of Equipment & EMD

EMD

1. Eddy Current Dynamometer for 52 KW

Rs. 11000/-

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Eddy Current Dynamometer	<p>Eddy Current Dynamometer Suitable for testing diesel Engines up to 52 kW @ 1500 RPM and Maximum Torque 332 N-m, Maximum RPM 4000. Along with latest updated facility likes.</p> <ul style="list-style-type: none"> ➤ The control panel fitted with Digital R.P.M. Meter, Torque Controlled with Digital Display, multy Channel Temperature digital indicators with Thermocouples. With constant modes. ➤ Power absorption unit. ➤ Load cell weighing mechanism ➤ Weighing system check equipment (Calibration Weights & Arm) ➤ Heavy duty Water filters with Magnetic Separator. ➤ With accuracy ± 0.5 % of all display. ➤ Cardan Shaft and Safety Guard ➤ With standard facilities like cables with housing

EMD

2. Eddy Current Dynamometer for 12 KW

Rs. 9000/-

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Eddy Current Dynamometer	<p>Eddy Current Dynamometer Suitable for testing diesel Engines up to 12 kW @ 1500 RPM and Maximum Torque 82 N-m, Maximum RPM 4000. Along with latest updated facility likes.</p> <ul style="list-style-type: none"> ➤ The control panel fitted with Digital R.P.M. Meter, Torque Controlled with Digital Display, multy Channel Temperature digital indicators with Thermocouples. With constant modes. ➤ Power absorption unit. ➤ Load cell weighing mechanism ➤ Weighing system check equipment (Calibration Weights & Arm) ➤ Heavy duty Water filters with Magnetic Separator. ➤ With accuracy ± 0.5 % of all display. ➤ Cardan Shaft and Safety Guard. ➤ With standard facilities like cables with housing

EMD
Rs. 5000/-

**3. Hydraulic Dynamometer with advance
Mechanical Seal System and Digital Torque
and RPM indicator for 45 KW**

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Hydraulic Dynamometer with advance Mechanical seal system and Digital Torque & RPM Indicator	<p>Hydraulic Dynamometer Suitable for testing diesel Engines up to 45 kW @ 1500 RPM and Maximum Torque 270 N-m, Maximum RPM 4000. Along with latest updated facility likes.</p> <ul style="list-style-type: none"> ➤ The control panel fitted with Digital R.P.M. Meter, Torque Controlled with Digital Display. ➤ Power absorption unit. ➤ Load cell weighing mechanism ➤ Weighing system check equipment (Calibration Weights & Arm) ➤ Heavy duty Water filters with Magnetic Separator. ➤ With accuracy ± 0.5 % of all display. ➤ Cardan Shaft and Safety Guard. ➤ With standard facilities like cables with housing

EMD
Rs. 4000/-

**4. Hydraulic Dynamometer with advance
Mechanical Seal System and Digital Torque
and RPM indicator for 12 KW**

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Hydraulic Dynamometer with advance Mechanical seal system and Digital Torque & RPM Indicator	<p>Hydraulic Dynamometer Suitable for testing diesel Engines up to 12 kW @ 1500 RPM and Maximum Torque 77 N-m, Maximum RPM 4000. Along with latest updated facility likes.</p> <ul style="list-style-type: none"> ➤ The control panel fitted with Digital R.P.M. Meter, Torque Controlled with Digital Display. ➤ Power absorption unit. ➤ Load cell weighing mechanism ➤ Weighing system check equipment (Calibration Weights & Arm) ➤ Heavy duty Water filters with Magnetic Separator. ➤ With accuracy ± 0.5 % of all display. ➤ Cardan Shaft and Safety Guard. ➤ With standard facilities like cables with housing

EMD

5. Motorised Operated Variable Auto Transformer

Rs. 8000/-

Quantity: 01 No.**Specification**

Instrument	Description & Accessories
Motorised operated Variable Auto Transformer	<ul style="list-style-type: none"> ➤ Input : 415 V AC 3 Ph- 4 wire, 50 Hz ➤ Output : 0-470 V AC 3Ph ➤ Output Current : 400 Amps ➤ Cooling : Natural Oil Cooled

EMD

6. Electro Magnetic Flow Meter

Rs. 1000/-

Quantity: 01 No.**Specification**

Instrument	Description & Accessories
Electro Magnetic Flow Meter	<ul style="list-style-type: none"> ➤ Accuracy – 0.5% ➤ Flange Connection – ANSI B16.5 ➤ Min. Conductivity - 10µS/cm ➤ Coil Housing – S.S. ➤ Measuring Tube – S.S. 316 ➤ Empty Pipe Detection - Yes ➤ Power Supply – 220 V AC/50 Hz, 110 V AC/ 60 Hz (Optional) ➤ Operating Range – 0.3 to 10 m/s. ➤ Lining Material - PTFE. ➤ Flange Material – Cast Aluminum ➤ Outputs – Isolated 4-20mA, Pulse

EMD

7. Power Panel (Single & Three Phase)

Rs. 2000/-

(Analyzer)**Quantity: 01 No.****Specification**

Instrument	Description & Accessories
Power Panel (Single & Three Phase)	<ul style="list-style-type: none"> ➤ Single & Three phase Voltage (Ph to Nu & Ph to PH) ➤ Single & Three phase Ampere (Per Ph & Average) ➤ Single & Three phase Watt (Per Ph & Total) ➤ Single & Three phase VA & VAR (Per Ph & Total) ➤ Frequency (Hz), RPM (With Slip Coil), % Slip, CRPM ➤ Pressure Measurement with pressure transducer. ➤ Empty Pipe Detection - Yes ➤ Power Supply – 220 V AC/50 Hz, 110 V AC/ 60 Hz (Optional) ➤ Suction measurement with suction transducer ➤ Accuracy: 0.2% of F.S.D. ➤ Current capacity: 400 Amp. Max.

EMD
Rs. 1000/-

8. Vibrometer (Vibration Meter)

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Vibrometer	<ul style="list-style-type: none"> ➤ Vibration displacement (P-P) 0 – 1999 μm ➤ Vibration speed (RMS) 0-199.9mm/s ➤ Vibration acceleration (O-P) 0-199.9m/s² <p>The error between frequency range and breadth value</p> <ul style="list-style-type: none"> ➤ Vibration displacement (P-P) 10-200Hz, = $\pm 10\%$ ➤ Vibration speed (RMS) 10-500Hz, = $\pm 10\%$ ➤ Vibration acceleration (O-P) 10-1000Hz, = $\pm 10\%$ <p>Breadth value linearity error</p> <ul style="list-style-type: none"> ➤ Vibration displacement (P-P) 0 – 20μm, = $\pm 10\%$ & > 20μm, = $\pm 5\%$ ➤ Vibration speed (RMS) 0 – 2.0mm/s, = $\pm 10\%$ & > 2.0mm/s, = $\pm 5\%$ ➤ Vibration acceleration (O-P) 0-2.0m/s², = $\pm 10\%$ & > 2.0ms², = $\pm 5\%$

EMD
Rs. 2000/-

9. Izod Impact Tester

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Izod Impact Tester	<ul style="list-style-type: none"> ➤ Pendulum impact energy 170 Joules of more ➤ Pendulum Drop angle -90 degrees ➤ Minimum scale graduation-2 joules ➤ Suitable to test metal and plastic components.

EMD
Rs. 4000/-

10. Metallurgical Microscope 1000X

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Metallurgical Microscope 1000X	<ul style="list-style-type: none"> ➤ Binocular Inverted ➤ Magnification 1000X. ➤ Objective: 10X, 20X, 40X, 100X (Dry). ➤ Attachment for Grain size, Carbide size. ➤ Metallurgical Image Analyzer software for Ferrous & Non-ferrous metal.

EMD
Rs. 10000/-

11. Universal Testing Machine 100 Ton

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Universal Testing Machine 100 Ton	<ul style="list-style-type: none"> ➤ Attachment for Bend Test, Compression Test, Hardness Test. ➤ List count 0.01 Kg.

EMD
Rs. 600/-

12. Stiffness Tester (Electronic)

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Stiffness Tester (Electronic)	<ul style="list-style-type: none"> ➤ 6 mm Jaw Assembly ➤ Calibration Specimen 62 ➤ Compensator Range Weight (0-10 Taber units) ➤ Range weight (500, 1000, 2000 Taber units)

EMD
Rs. 6000/-

13. Standard Furnace (Temperature Source)

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Standard Furnace (Temperature Source)	<ul style="list-style-type: none"> ➤ Maximum Temperature up to 1800 Degree Celsius. ➤ Auto control system. ➤ Accuracy ± 0.01 Centigrade.

EMD
Rs. 4000/-

14. Balancing Machine

Quantity: 01 No.

Specification

Instrument	Description & Accessories
Balancing Machine	<ul style="list-style-type: none"> ➤ Maximum Diameter: 500 mm. ➤ Wt. of Job: 25 Kg. ➤ Minimum unbalance read: 0.01 gm. ➤ Balancing speed: 1200 RPM

	<ul style="list-style-type: none"> ➤ Minimum achievable unbalance: 0.5 micron ➤ Maximum length of job: Up to 2 Meter ➤ Standard applicable as per IS: 8034.
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GENERAL TERMS & CONDITIONS

TENDER ENQUIRY NO: NSIC/TSC/DST-STEP/Tender/01/10-11

TENDER FOR : Equipments/Instruments

1. Separate sealed tender should be submitted under two bid system.
2. Tenderers should set their quotations in firm figures. Each figure stated should be repeated in words also. In the event of any discrepancy between the amount stated in figures and words, the rate quoted in the words shall be deemed to be the final quotation. Tenders with qualifying term such, as “SUBJECT TO A MINIMUM ACCEPTANCE or “SUBJECT TO PRIOR SALE” etc shall be liable to disqualification. Technical & Commercial bid is to be submitted as per our specifications in the following format.

Format for Technical & Commercial Bid

Name of Equipment: _____

Sl.NO	Specification as per Tender	Specification of equipment	Remark
	Description & Accessories	Description & Accessories	

3. The Financial bid should be submitted along with Tender document in a separate sealed cover.

4. The technical & commercial bid will be opened first and the technical suitability will be analyzed. The Financial bid of those bidders who are technically considered fit will be opened later. The date and time of opening of the financial bid will be intimated to the successful technical bidders in advance.
5. Tenderer must furnish illustrative literatures, catalogues and complete technical details for the item quoted by them with brand names / model etc.
6. Tenderer shall submit USER'S LIST of the item quoted along with the tender.
7. Last date of the receipt of this tender is 23/11/10 up to 2.00 PM. Tenders received after this due date will not be entertained. Technical bids will be opened on the same day at 3.00 PM.
8. The tender should be valid for acceptance for a minimum period of **90 DAYS FROM THE DATE OF CLOSING OF THE TENDER**. However if bidders desirous of quoting shorter/longer validity period, it should be specifically mentioned in the tender. No mention of validity period will be assumed as having validity of 90 days and tenderer will be liable to supply the materials if orders are placed.
9. All tenders must accompany EMD as mentioned in the tender document by way of Demand draft favoring **"SCIENCE AND TECHNOLOGY ENTREPRENEURS PARK-NSIC" payable at RAJKOT**. EMD will be returned to unsuccessful tenderers within 90 days after the finalization of the contract OR within 180 days after the last date of the closing of this tender whichever is earlier.

Tenderer must explicitly specify the followings:

- a. DELIVERY PERIOD OFFERED: Expected within 30 days after placement of order. TAXES, DUTIES, LEVIES APPLICABLE:
- b. PRICES QUOTED: F.O.R Destination basis / Ex-works / with or without packing, forwarding charges etc.
- c. PAYMENT TERMS:
 1. Payment will be released after satisfying the all the conditions as per the tender terms and conditions. (Installation, Inspection, Calibration, Training etc.,) **and satisfactory functioning of the equipment supplied.**
- d. **Technical bid should contain the details of Guarantee / Warrantee** offered for each equipment/components of equipments having multiple components. All non standard components should be covered under the guarantee period invariably. **Minimum guarantee/warrantee required is ONE YEAR from the date of successful commissioning of the equipment.**

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- e. **Performance guarantee is to be accorded by the supplier invariably for all the equipments that will be supplied under this Tender.**
 - f. Free of cost, on site training for operating the item to our officials is a must.
 - g. Successful tenderer will have to submit traceability to the national/international standards applicable and calibration certificate of the item at the time of delivery of the item ordered. No separate charge will be paid for this purpose.
10. The Center reserves all rights to accept / reject or prefers any tender without assigning any reasons what so ever reason. Likewise the center may at its discretion accept or reject any tender in parts.
 11. The Center will not be held liable for any postal delays or any other reasons beyond its control in any of the Communication in respect of this tender.
 12. The tenderer must ensure that the price quoted shall not be higher than those quoted to any other government department for the same item in the last **one year** from the date of submitting this offer.
 13. Tenderer must invariably indicate their full address, telephone, Mail ID and fax numbers, website, name of contact person etc in the tender.
 14. **REJECTION OF ITEM / ITEMS:** All the liabilities on the account of rejection of the items supplied, short packing defect, transit damages and loss etc will be on the supplier's account and this center will not be liable in any manner on this account.
 15. The delivery time being of utmost essence, the contract / order shall stand terminated and the EMD will be forfeited if it is not executed within the stipulated delivery schedule, prescribed in the order / tender contract to compensate for the damages to the centre unless and otherwise prior consent on the extension of the delivery period is granted by the center.
 16. Competent Authority reserves the right to accept or reject any or all the tenders without assigning any reasons thereof.
 17. All pages of the tender document should be signed by the authorized person of the bidder with official seal.
 18. **Any legal proceeding arising out of this contract shall be instituted at Rajkot only.**

Dy. General Manager (I/c)
NSIC-DST-STEP Project

6. Financial bid

(To be enclosed in a separately sealed cover superscripting Financial bid)

- 1 Vender's name :
- 2 Address :
- 3 Tender no. : NSIC/TSC/DST-STEP/Tender/01/10-11
- 4 Item :
- 5 Model :
- 6 Basic price Rs. :
(Mention the individual item cost of multicomponent equipments)
- 7 Excises duty Rs. :
- 8 Sales tax Rs.(No C Form will be supplied) :
- 9 Packing /Forwarding :
- 10 Transportation :
- 11 Insurance
- 12 Installation & Demonstration
Charges
- 13 Octroi Rs. :
- 14 Total Price :
- 15 Discount if any :
- 16 Landed Price at NSIC-TSC :
Rajkot (Appx.)
- 17 Delivery Point NSIC-Technical Services Centre, Rajkot
- 18 Delivery Period :(Preferably within 30 days.)
- 19 Payment Terms : As mentioned in the Tender Document
Terms & Condition at Pg. No. 2/3 (9-c)
- 20 Validity of Offer :(Preferably 90 Days from the date of closing
of the tender.)
- 21 EMD Rs. -----
(as mentioned in the tender document) DD no. -----Date:
Drawn on bank-----at Rajkot.
- 22 Any other details :
(Pl. specify)

Tenderer's sign & date

Seal

TENDER NO.
NSIC/TSC/DST-STEP/Tender/01/10-11
