

TENDER FOR INSTRUMENT / EQUIPMENTS

TENDER NO.
NSIC/TSC/Raj/Tender/SPTL/01/15-16



NSIC TECHNICAL SERVICES CENTRE
Rajkot
(THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.)

(A GOVT. OF INDIA ENTERPRISE)

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

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

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

Page No.1:

Notice inviting tender:

TENDER NOTICE

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 Manufacturer for supply of **1 No's of Motor Test Dyno with accessories to test Motor above 7.5 HP @ 3000 RPM up to 126 HP and 1 No's of Motor Test Dyno with accessories to test Motor from 0.5 HP @ 3000 RPM to 16.85 HP** with Installation and commissioning in TWO BID system, viz. (1) Technical Bid (2) Financial Bid. The details of the Technical specifications and terms and conditions can be had from "Dy. General Manager", NSIC-Technical Services Centre, Aji Industrial Area, Bhavnagar Road, Rajkot-3 by paying Tender fee of Rs. 500/- in the form of Cash / payable at par Cheque / DD favoring "**NSIC Ltd.**" Payable at Rajkot. The tender can also be down loaded from our Web site: <http://nsic.co.in/tenders.asp>. The Centre as mentioned the terms & condition in tender documents for reference. 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, at above address" by 3.00 PM on 19/10/15.** Technical bids will be opened on the same day at 4.00 PM.

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

Cover (I) Technical. No financial terms should be mentioned directly or indirectly in the technical 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 from website.

The tender fee and EMD should be paid in the payable at par Cheque / DD in favour of "NSIC Ltd." payable at Rajkot.

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

Covering Letter

TENDER NO: NSIC/TSC/Raj/Tender /SPTL/01/15-16

DATE:

**To,
The Dy. General Manager,
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 “1 No’s of Motor Test Dyno with accessories to test Motor above 7.5 HP @ 3000 RPM up to 126 HP and 1 No’s of Motor Test Dyno with accessories to test Motor from 0.5 HP @ 3000 RPM to 16.85 HP .

Dear Sir,

With reference to your above referred advertisement, we are herewith submitting our offer. 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 _____

NAME: _____

DATE _____

DESIGNATION _____

Official Seal

Note:

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

Cover (I). Technical bid. No financial terms should be mentioned directly or indirectly in the technical 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 payable at par Cheque / DD in favour of “NSIC Ltd.” payable at Rajkot.

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

Specifications of Equipment & EMD: - Rs. 15000/- fixed**1. Motor Test Dyno with accessories to test Motor above 7.5 HP @ 3000 RPM up to 126 HP
Quantity: 01 No.****Specification**

Sr No.	Description & Accessories	Qty.	Specification / Range
01	Eddy Current Dynamometer for Motor Testing from 7.5 HP to 126 HP @ 3000 RPM	01	110 KW ,300 NM ,9000 RPM Water cooled Dynamometer Water Requirements 1. Water Pressure at inlet(BAR) : 1.0 2. Minimum Water Flow Required:25 LPM 3. Dynamometer inertia: 0.10 Kgm ²
02.	Maximum Torque at Speed (R / Min)		1200 to 3500 RPM
02	Water inlet filter with magnetic separator	01	Filtration up to 500 microns
03	Weighing System Check Equipment	01	Reputed make
04	Stator Rotor Locking arrangement(For Motor Locked Rotor Test)	01	Reputed Make
05	Cardon shaft (Coupling in between test Dyno and Motor to drive motor from 7.5 HP- 126 HP)	01	With universal joint at both ends. One end is splined to permit limited telescopic adjustment in the length 1. Minimum compressed length:324.4mm 2. Telescopic adjustment length:57 mm 3. Flange : Std
07	Adaptor plate	02	Reputed make
08	Sheet Steel Guard	01	MS fabricated sheet guard with thickness of 3-4mm
09	Dynamometer Control System	01	Consist of following Facility. A. The controller would be provided RESET /START & STOP switch. B. Digital Speed indicator :- ± 0.2 FS %, 1RPM resolution C. Digital Torque Indicator :- ± 0.2 FS%, 1 Nm resolution D. Digital Display for measuring calculated Mechanical Power Output. E. Digital Temperature Indicator for measuring Motor Winding Temperature :- 0.2 FS% , F. Instrument for measuring motor winding temperature, Torque, RPM with Accuracy class of 0.2 G. Complete (Detailed) Circuit Diagram. I. Suitable Stand or fixture for Dynamometer Control Panel.
10	Adjustable Test bed Drawings , Photographs	01	For testing the motors along with Dyano from 0.55 Kw to 110 Kw @ different -2 frame size.
11	Protection for Dynamometer Panel	01	Rated capacity (± 20 Volt) UPS / Isolation Transformer in input side of Power supply.

2. Motor Test Dyno with accessories to test Motor from 0.5 HP @ 3000 RPM to 16.8 HP.

Quantity: 01 No.

Specification

Sr.No	Description & Accessories	Qty	Specification / Range
01	Eddy Current Dynamometer for Motor Testing from 0.5 HP to 16.85 HP @ 3000 RPM	01	15 KW ,40 NM ,8500 RPM Water cooled Dynamometer Water Requirements 1. Water Pressure at inlet(BAR) : 1.0 2. Minimum Water Flow Required:10 LPM 3. Dynamometer inertia: 0.0055 Kgm ²
02	Maximum Torque at Speed (R / Min)		1500 to 3581 RPM
02	Water inlet filter with magnetic separator	01	Filtration up to 500 microns
03	Weighing System Check Equipment	01	Reputed make
04	Stator Rotor Locking arrangement(For Motor Locked Rotor Test)	01	Reputed Make
05	Cardon shaft (Coupling in between test Dyno and Motor to drive motor from 0.5 HP- 7.5 HP)	01	With universal joint at both ends. One end is splined to permit limited telescopic adjustment in the length 1. Minimum compressed length:324.4mm 2. Telescopic adjustment length:57 mm 3. Flange : Std
07	Adaptor plate	02	Reputed make
08	Sheet Steel Guard	01	MS fabricated sheet guard with thickness of 3-4mm.
09	Dynamometer Control System	01	Consist of following Facility. A. The controller would be provided with RESET /START & STOP switch. B. Digital Speed indicator :- ± 0.2 FS %, 1RPM resolution C. Digital Torque Indicator :- ± 0.2 FS%, 1 Nm resolution D. Digital Display for measuring calculated Mechanical Power Output. E. Digital Temperature Indicator for measuring Motor Winding Temperature :- 0.2 FS% , F. Instruments for measuring motor winding temperature, Torque, RPM with Accuracy class of 0.2 G. Complete (Detailed) Circuit Diagram. I. Suitable Stand or fixture for Dynamometer Control Panel.
10	Adjustable Test bed Drawings , Photographs	01	For testing the motors along with Dyano from 0.37 Kw to 15 Kw @ different -2 frame size.
11	Protection for Dynamometer Panel	01.	Rated capacity (± 20 Volt) UPS / Isolation Transformer in input side of Power supply .

Installation, commissioning & others

a) Complete commissioning of the all equipment at site with all requirements.
b) Complete all cable and pneumatic connections (if any).
C) Training for the end user especially on trouble shooting ,use of the equipment ,periodic maintenance etc.

Calibration & Validation:

Calibration	All supplied instruments should be calibrated by Only NABL accredited Lab.
Validation	All documentation and protocols shall be provided with equipment.

GENERAL TERMS & CONDITIONS

TENDER ENQUIRY NO: NSIC/TSC/Raj/Tender /SPTL/01/15-16
TENDER FOR : 1 No's of Motor Test Dyno with accessories to test Motor above 7.5 HP @ 3000 RPM up to 126 HP and 1 No's of Motor Test Dyno with accessories to test Motor From 0.5 HP @ 3000 RPM to 16.85 HP.

1. Separate sealed tender should be submitted under two bid system.
2. Tenderer should set their quotation 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 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 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 19/10/2015 up to 3.00 PM. Tenders received after this due date will not be entertained. Technical bids will be opened on the same day at 4.00 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 at pare Cheque or Demand draft favoring **"NSIC Ltd."** 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 Two weeks 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. **and satisfactory functioning of the equipment**
- d. **Technical bid should contain the details of Guarantee / Warrantee** offered for Motor Testing Dyano of equipment's 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.**
- 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. Party fail to deliver the equipment within stipulated time the let delivery charge will applicable as the decided by competent Authority.

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 attached **supplier list** of Last One Year.
13. 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.
14. Tenderer must invariably indicate their full address, telephone, Mail ID and fax numbers, website, name of contact person etc in the tender.
15. **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.
16. 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.
17. Competent Authority reserves the right to accept or reject any or all the tenders without assigning any reasons thereof.
18. **All pages of the tender document should be signed by the authorized person of the Bidder with official seal.**
- 19 **Any legal proceeding arising out of this contract shall be instituted at Rajkot only.**

Dy. General Manager
NSIC Technical Services Centre, Rajkot

Financial bid

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

- 1 Vender's name :
- 2 Address :
- 3 Tender no. : NSIC/TSC/Raj/Tender /SPTL/01/15-16
- 4 Item :
- 5 Model :
- 6 Basic price Rs. For One :
- 7 Excises duty Rs. :
- 8 Sales tax Rs. :
- 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 120 days.)
- 19 Payment Terms : As mentioned in the Tender Document
- 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

