



**TENDER**

**FOR**

**SUPPLY, INSTALLATION, TESTING &  
COMMISSIONING  
OF  
WORKING TRAINER MODELS  
FOR  
AIR CONDITIONING OF AUTOMOBILES**

**Tender No. - NTSC/ WST/Proc. Trg. Mod./2013-14 /65**

**NSIC- Technical Services Centre**  
(A Government of India Enterprise)  
Okhla Industrial Estate, Phase III  
Near Kalkaji Mandir  
New Delhi-110020

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## NOTICE INVITING TENDER

NSIC-Technical Services Centre (NTSC), Okhla, New Delhi invites sealed tender in Two bid system (Technical & Commercial bid in two separate envelopes) from reputed prime equipment Manufacturers for the Supply, Installation, Testing & Commissioning of Working Trainer Models for Air conditioning of Automobiles in their office at Okhla Industrial Estate, Phase-III, New Delhi.

The details are summarized below:-

a)	Name of the Project	Supply, Installation, Testing & Commissioning at site of Working Trainer Models for Air conditioning of Automobiles with required specifications as mentioned in <b>Annexure-A (Part –I&amp;II)</b>												
b)	Details of the Working Trainer Models	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>S. No.</u></th> <th style="text-align: left;"><u>Description</u></th> <th style="text-align: right;"><u>No.</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: left;">1.</td> <td>Working Trainer Model of Car AC system</td> <td style="text-align: right;">01</td> </tr> <tr> <td style="text-align: left;">2.</td> <td>Working Trainer Model of Bus AC system</td> <td style="text-align: right;">01</td> </tr> <tr> <td colspan="2" style="text-align: right;"><b>TOTAL</b></td> <td style="text-align: right;"><b>02</b></td> </tr> </tbody> </table>	<u>S. No.</u>	<u>Description</u>	<u>No.</u>	1.	Working Trainer Model of Car AC system	01	2.	Working Trainer Model of Bus AC system	01	<b>TOTAL</b>		<b>02</b>
<u>S. No.</u>	<u>Description</u>	<u>No.</u>												
1.	Working Trainer Model of Car AC system	01												
2.	Working Trainer Model of Bus AC system	01												
<b>TOTAL</b>		<b>02</b>												
c)	Technical Bid	<p>The Tenderer shall be engaged in supply, Installation, Testing &amp; Commissioning of similar Working Trainer Models with same or higher capacity for at least last 03 years and shall submit a self declaration on their letter-head, in this regard along with the Technical Bid.</p> <p>The details for submission of Technical Bid is placed at <b>Annexure-B.</b></p> <p>The tenderer are free to submit offer for either or both the Working Trainer Models.</p>												
d)	Commercial Bid	The details for submission of Commercial Bid is placed at <b>Annexure-C</b>												
e)	Cost of Tender Documents	<p>The tender document can be collected from the office of General Manager of the centre as addressed on first page, w.e.f. 13th Dec. 2013 to 23rd Dec. 2013 (except Saturday &amp; Sunday) between 10.30am to 4.30pm against payment of Rs. 200/- (Rupees Two Hundred only) (Non refundable) by way of cash/ demand draft, in favour of '<b>NSIC Ltd.- A/c NTSC</b>' payable at New Delhi.</p> <p>Alternatively tender form can be downloaded from our website <a href="http://www.nsic.co.in">www.nsic.co.in</a> from 13th Dec. 2013 to 23rd</p>												

		Dec. 2013. The tender fee of Rs. 200/- in cash/ demand draft in favour of ' <b>NSIC Ltd.- A/c NTSC</b> ', payable at New Delhi shall be submitted while submitting the tender.
f)	Earnest Money Deposit along with Tender	Rs. 5,000/- (Rupees Five Thousand only) in the form of D.D. in favour of ' <b>NSIC Ltd.- A/c NTSC</b> ' payable at New Delhi shall be submitted while submitting the tender. However, there is exemption of EMD applicable to the units. The details are available in para 11(a) of Commercial and General Terms & Conditions in ahead papers.
g)	Submission of Tender fee & EMD	D.D. towards tender fee and EMD shall be submitted in a separate envelope other than the Technical & Commercial Bid envelope.
h)	Last date of submission of tender	The complete and duly filled in tender in a sealed bigger envelope super-scribed as "Tender for the supply of Working Trainer Models for Air conditioning of Automobiles" with inquiry no. – NTSC/WST/Pro. Trg. Mod./2013-14/65 & its due date, shall be received by <b>24th Dec. 2013 up to 15:00 hours (sharp)</b> at the office of General Manager, NSIC-Technical Services Centre, Okhla Industrial Estate, Phase-III, Opposite Kalkaji Mandir, New Delhi-20.
i)	Date of opening of Technical Bid	The envelope containing Technical Bid and the envelope containing Tender fee & EMD will be opened on <b>24th Dec. 2013 at 16:00 hours</b> , at the office of General Manager, NSIC-Technical Services Centre, Okhla Industrial Estate, Phase-III, Opposite Kalkaji Mandir, New Delhi.
j)	Date of opening of Commercial Bid	The date for opening of the envelope containing Commercial bid will be intimated to the qualified bidders separately.

**Note:** In case of any further details required, the same can be collected from the office of General Manager, NSIC-Technical Services Centre, Okhla Industrial Estate, Phase-III, Opposite Kalkaji Mandir, New Delhi from 13th Dec. 2013 to 23rd Dec. 2013 (except Saturday & Sunday) between 10.30 am to 04.30 pm.

(Satvinder Singh)  
General Manager (S.G.)  
NSIC- Technical Services Centre  
Okhla, New Delhi-110020

## **INSTRUCTIONS TO THE TENDERERS**

The Tender shall be submitted in accordance with below mentioned instructions and any tender not conforming the instructions as under is liable to be rejected. These instructions shall form the part of the tender and contract.

1. The intending Tenderer shall submit **a self declaration on their letter-head**, along with the Technical Bid, confirming that they are regular in manufacturing & supplying the similar Working Trainer Models , from last 03 years.
2. The person **signing** the tender form or any other documents forming part of the contract on behalf of the Tenderer shall be deemed to warranty that he has **authority to bind the Tenderer**. If subsequently it is found that the person so signed had no authority to do so, the General Manager, NSIC – Technical Services Center (NTSC) may without prejudice to any other civil & criminal remedies cancel the tender and hold the Tenderer liable for all costs, charges and damages.
3. The tender must be placed in a properly sealed bigger envelope addressed to The General Manager, NSIC-Technical Services Centre, Okhla Industrial Estate, Phase III, Opposite Kalkaji Mandir, New Delhi-20 and the said **bigger envelope shall contain three sealed envelopes containing Technical bid, Commercial bid and DD. towards tender fee & EMD.**
4. The bigger envelope must be super-scribed “*Tender for the supply of Working Trainer Models for Air conditioning of Automobiles*” with tender inquiry number and its due date. The three 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, Testing & Commissioning of Working Trainer Models for Air conditioning of Automobiles – Technical Bid”*

*Envelope No-2: The said envelope is for commercial bid & shall be super scribed as “Tender for the Supply, Installation, Testing & Commissioning of Working Trainer Models for Air conditioning of Automobiles – Commercial Bid”.*

*Envelope No-3: The said envelope is for submitting D.D. towards tender fee and EMD & shall be super scribed as “Tender fee & EMD”.*

5. The tenderer are free to submit offer for either or both the Working Trainer Models.
6. The tender shall be submitted to the office of General Manager, NSIC- Technical Services Centre, Okhla Industrial Estate, Phase-III, Opposite Kalkaji Mandir, New Delhi-20 by 24th Dec. 2013 up to 15:00 hours.
7. The tenders will be opened at NTSC-Okhla on 24th Dec. 2013 at 16:00 Hours. The Tenderer or their authorized representative (Preferably one person) may be present at the time of opening of the tender.

Contd.

8. The tender shall be completed in all respect and should be **signed with date by the Authorized Signatory of Tenderer with company stamp on all the pages of this tender and these duly signed pages of the tender shall be placed with Technical Bid.**
9. The Earnest Money Deposit of Rs. 5,000/- (Rupees Five Thousand only) by way of Cheque/ D.D. drawn in favour of '**NSIC Ltd.- A/c NTSC**' shall be submitted along with tender documents. No cash towards EMD shall be accepted. The offers without EMD will be rejected.

However, there is exemption of EMD applicable to the units. The details are available in para 11(a) of Commercial and General Terms & Conditions in ahead papers.

10. Tender inquiry documents, if downloaded from website, Rs. 200/- as cost of tender shall be submitted in cash/ D.D. drawn in favour of '**NSIC Ltd.- A/c NTSC**' along with the tender.
11. The working Trainer Models & equipments to be supplied against this tender shall be in compliance to the specifications mentioned in **Annexure-A (Part –I & II)** of the tender and shall be of the latest technology, best quality and high standards.
12. 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. The rates and units shall not be overwritten. **The financial figures in commercial bid shall always be both in figures and words. In case of any discrepancy in figures and words, the amount written in figures shall be considered.**
13. No extra payment shall be paid on account of any discrepancy in nomenclature of items. The Tenderer shall seek clarifications, if any, before submitting the tender.
14. 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. If any Tenderer stipulates any condition of his own, such conditional tender is liable to be rejected.
15. General Manager, NSIC-Technical Services Centre reserves the right to reject any tender/ bid wholly or partly without assigning any reason and to restrict the list of qualified Tenderer for opening of commercial bid to any number deemed suitable by him from out of bids received.

Contd.

16. NSIC-Technical Services Centre (NTSC) have right to verify the particulars furnished by the bidder independently.
17. The Tenderer shall be agreed that the rates submitted shall remain valid for acceptance for a period of 90 days from the date of opening of Technical Bid of tender.
18. Tenderer shall take into account all costs including loading at their works to transport, cartage, transit insurance, including taxes & duties (as applicable) etc. for giving delivery of material at site i.e. NSIC-Technical Services centre, Okhla Industrial Estate, Phase-III, Opposite Kalkaji Mandir, New Delhi before quoting the rates. However unloading at site will be the responsibility of NSIC-Technical Services Centre.
19. It shall be noted that before unloading, the NTSC officers shall check the packed boxes and in case of any damage to the packed boxes, the same shall be reported to supplier over phone & unloading would not be done.
20. All the communication with respect to the tender shall be addressed to:

**General Manager,  
NSIC- Technical Services Centre,  
Okhla Industrial Estate, Phase-III,  
Opposite Kalkaji Mandir,  
New Delhi-110020**

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

*We confirm with our acceptance to the instructions (S.No-1 to 21 above) as given above.*

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

*Note for Tenderer: - Duly signed page no. 5 to 7 of this tender document i.e. "Instructions to the Tenderer" shall be duly signed & placed in Technical bid.*

## **COMMERCIAL AND GENERAL TERMS & CONDITIONS**

Nature of Goods/ Equipments: For Supply, Installation, Testing & Commissioning of Working Trainer Models for Air conditioning of Automobiles with specifications mentioned in Annexure-A (Part –I&II)

### **1. Scope of Supply:**

- a) The tenders shall be submitted as per the technical specifications enclosed in Annexure-A (Part –I & II).
- b) Sealed tenders in the three cover system should be submitted in the prescribed form and should be addressed to the General Manager, NSIC-Technical Services Centre, Okhla Industrial Estate, Phase III, Opposite Kalkaji Mandir, New Delhi. The envelope should be super-scribed as “*Tender for the supply of Working Trainer Models for Air conditioning of Automobiles*” with inquiry no. NTSC/WST/ Pro. Trg. Mod./2013-14/65 and its due date 24th Dec. 2013. In the said envelope, the three separate sealed envelopes shall be placed in which one envelope shall have “Technical bid, second envelope shall have “commercial bid” and third envelope shall have “Tender Fee & EMD”. The authorized person of the Tenderer should sign the tender documents.
- c) The tenderer are free to submit offer for either or both the Working Trainer Models.
- d) The Tenderer are free to inspect the installation location in the premises of NSIC-Technical Services Centre, Okhla Industrial Estate, Phase-III, Opposite Kalkaji Mandir, New Delhi before submitting the quotes.
- e) The rates quoted against this tender shall be valid for a period of 90 days from the date of opening of Technical Bid of tender.
- f) Submission of the duly signed tender implies that these conditions of tender have been read by the Tenderer and is aware of the scope of the supply and the quality of the material to be supplied. The final acceptance of the tender rests with the General Manager of NSIC-Technical Services Centre, who reserves the right to accept or reject any or all tenders without assigning any reason therefore.

Contd.



## **2. Submission of tender:**

- a) The tender received within the stipulated date and time will be opened at the office of General Manager, NSIC-Technical Services Centre, Okhla Industrial Estate, Phase-III, Opposite Kalkaji Mandir, New Delhi, in the presence of available tenderers, on the date and time mentioned in the Notice Inviting Tender.
- b) Tenders received in open covers / fax / telegram / email will not be considered.
- c) The tenders received after the stipulated date and time or tender received with conditions will not be accepted. Tenders not submitted in the prescribed form will be rejected. Tenders which propose any alternations in the conditions specified will be rejected.

## **3. Validity of tender:**

- a) The tender shall be valid for a period of 90 days from the date of opening of the Technical Bid of tender. If any Tenderer withdraws his tender before the said period or makes any modifications in the terms and the conditions of the tender which are not acceptable to the NTSC, then the NTSC shall, without prejudice to any other rights or remedy, be at liberty to forfeit the EMD. The rates quoted in the tenders shall be treated as firm during this period of contract.
- b) Should the Tenderer for any reason whatever, withdraws the tender after it is accepted or become unable or fails to execute the orders within stipulated delivery period, NTSC shall be at liberty to cancel the order forthwith and the EMD of the tender in such a case will be forfeited by the NTSC.
- c) No representation for the enhancement of the prices of the accepted tender or alteration of the terms and conditions will be entertained till supplies are completed.

## **4. Offers ready stock/ Subject to prior sale:**

Offers from ready stock are preferred. In case the offers are subject to prior orders, the Tenderer shall indicate the period within which the ordered quantity will be supplied. The Tenderer shall note that in case tenderer fails to supply within the period of delivery indicated in the said tender, penalty at the rate of 1% of value of the order, per week of delay subject to maximum of 20% of the order value will be levied.

Contd.

## **5. Warrantee Period:**

- a) The Working trainer Models & equipments offered shall conform to the specifications as given in tender/order. The warrantee shall be against defective design, defective quality material supplied, manufacturing defects etc. for a minimum period of 12 months from the date of Installation & Commissioning or 15 months from the date of supplies whichever is earlier.
- b) The Tenderer have right to offer warrantee more than 12 months from the date of Installation & Commissioning of the Working trainer Models or 15 months from the date of supplies whichever is earlier. The warrantee period is to be mentioned at point no. 12 of Annexure "B".

## **6. Packing :**

- a) The supplier shall provide packing of the goods, as is required to prevent their damages or deterioration during the transit to their final destination i.e. NSIC Technical Services Centre, Okhla New Delhi. The packing shall be sufficient to withstand, without limitation, rough handling during transit.
- b) The Working Trainer Models & equipments shall be securely boxed, crated and protected from physical damage, moisture etc. suitable for both storage and transit according to the nature of the material and mode of transport.

## **7. Price:**

- a) The rates quoted shall be firm & all inclusive for delivery up to destination i.e. NSIC-Technical Services Centre, Okhla Industrial Estate, Phase III, Opposite Kalkaji Mandir, New Delhi. The tenderer should note while quoting the rates that the price shall be quoted both in figures and words.  
The NTSC will not issue any form toward rebate / exclusion of sales tax/VAT.
- b) The Tenderer shall submit the copy of PAN, VAT, TIN registration details along with the Technical Bid of the tender document.

## **8. Inspection**

The material shall be inspected at site i.e. NSIC Technical Services Centre, Okhla Industrial Estate, New Delhi in the presence of the representative of supplier. The supplier shall be responsible for any damage during the transit of goods.

However, NTSC Okhla, New Delhi have right to inspect the works of supplier, if required.

Contd.

## **9. Delivery:**

- a) The Working Trainer models & Equipments shall have to be delivered at and installed at NSIC-Technical Services Centre, Okhla Industrial Estate, Phase III, Opposite Kalkaji Mandir, New Delhi and to be operationalized to the satisfaction of the Chief Manager (Workshop Trg.) of NTSC.
- b) Installation & Commissioning of the Working Trainer models shall have to be carried out without any additional payment at NSIC-Technical Services Centre, Okhla Industrial Estate, Phase-III, Opposite Kalkaji Mandir, New Delhi. The comprehensive training which includes Operations, Maintenance, Trouble shooting & all other areas which are necessary for smooth functioning of Trainer models , shall be provided to designated persons at site i.e. NSIC Technical Services Centre by Tenderer.

## **10. Payment:**

- a) The 90% payment will be made by the Corporation by account payee cheque for which the tenderer shall send bills in duplicate (original + copy) giving the reference number of the supply order along with copies of LR/delivery note. The tenderer shall submit the document which shall clearly indicate that the proper Installation, Commissioning & successful testing of Working Trainer models is done and the said document shall be duly signed by the chief Manager (Workshop Trg.) of NTSC, Okhla New Delhi.
- b) The balance 10% payment of total bill value will be released to supplier
  - i. After successful training to our staff.
  - ii. Submission of indemnity bond towards commitment of supplier for services rendered during warrantee period.

## **11. Earnest Money Deposit :**

- a) The units registered with Central Purchase Organization (DGS&D), National Small Industries Corporation (NSIC) or the concerned Ministry or Department shall be exempted from the payment of Earnest Money as defined under Rule 157 of General Financial Rules (GFR), 2005.

In such case, copy of the certificate showing registration with the above mentioned institutions to be enclosed along with the bid.

- b) In case the unit is not covered under a above, it shall submit the offer along with Earnest Money Deposit (EMD) for Rs. 5,000/- along with the tender documents either by way of Cheque/DD drawn in favour of 'NSIC Ltd. – A/C NTSC' payable at Delhi. NSIC Technical Services Centre shall not be liable for payment of any interest on EMD.

Contd.

- c) Tender is liable to be rejected in case EMD at prescribed rate is not furnished along with the tender.
- d) Any request by the bidders to consider their EMD furnished by them to NTSC for any other contract/ tender cannot be considered as EMD for this tender.
- e) The EMD will be returned to the unsuccessful bidders after the orders are placed on the successful bidder. In case of successful bidder, the EMD will be returned along with the release of balance 10% payment.
- f) The EMD will be forfeited in following cases:
  - I. If the bidder fails to accept the order based on his offer (bid) and within the prescribed time.
  - II. If the bidder fails to supply the material with specifications in compliance to as mentioned in Annexure-A (Part –I & II).
  - III. If the bidder delays supplies beyond a reasonable time resulting in disruption of NTSC works.
  - IV. Non Submission of Indemnity bond as per clause 10(b) of Commercial and General Terms & Conditions.

## **12. Service Facility:**

In order to ensure proper and timely after sales service, manufacturer or authorized agency shall have network to deploy Service Personnel at short notice and attend the maintenance.

## **13. 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, NTSC shall have right to totally reject the goods and right to claim for compensation for the part of goods, which are rejected.
- b) The supplier shall be responsible for arranging the rejected goods to be removed at his cost from NTSC premises.
- c) The supplier shall also compensate for losses, if any, sustained by NTSC due to defective packing and/or wrong marking of the goods.

*We confirm with our acceptance to the Commercial & General Terms & Conditions (S.No-1 to 13) as given above.*

Signature of the Tenderer with seal

*Note for Tenderer: - Duly signed page no. 8 to 12 of this tender document i.e. "Commercial & General Terms & Conditions" shall be duly signed & placed in Technical bid.*

**(Undertaking from Tenderer)**

To,  
The General Manager  
NSIC- Technical Services Centre,  
Okhla Industrial Estate,  
New Delhi-110020

**Sir,**

Nature of Goods/ Equipments	For Supply, Installation, Testing and Commissioning of Working Trainer Models for Air Conditioning of Automobiles
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Dear Sir,

HAVING EXAMINED AND PERUSED THE FOLLOWING DOCUMENTS

1. Notice Inviting Tender
2. Instruction To The Tenderer
3. Commercial & General Terms & Conditions
4. Technical Specifications of items (Annexure-A, Part –I & II) for which tender issued
5. Annexure – B( Technical Bid)
6. Annexure- C ( Commercial Bid)

I/We .....do hereby submit tender in prescribed formats for Supply, Installation, Testing & Commissioning of the Working Trainer Models for Air conditioning of Automobiles to NSIC- Technical Services Centre (NTSC), New Delhi, completed in all respects in accordance with the conditions applicable.

If this tender is accepted, I/We agree to abide by and fulfill 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 followed the instructions and I/We have understood the existing system of supply in the NTSC, including the scope and nature of duties expected from the Tenderer.

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

Contd.

Any notice required to be served on me/us shall be sufficiently served on me/us by 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.

Dated this.....day of.....2013.

Name of the Tenderer/s:

Seal:

Authorized Signatory:

With complete address, phone/fax numbers

*Note for Tenderer: - Duly signed page no. 13 to 14 of this tender document i.e. "Undertaking for tenderer" shall be duly signed & placed in Technical bid.*

## **Annexure 'A' (Part-I)**

### Working Training Model of Car AC

Working Trainer Model of Car AC system fitted on a portable robust steel frame

S. no.	Description	Specifications / Size	Qty.
1.	Portable robust Steel Frame	1 1/4" x 1 1/4" x 20 SWG	1
2.	Compressor Fitted on Mounting Bracket	Suction pressure: - 40-45 psi (approx.), Discharge pressure: - 220 psi (approx.) Displacement(CC/R): 108 Number Of Cylinder: 5 Stroke(mm): 22.6	1
3.	Electric motor	2 HP, 220 volt, Single Phase, 1440rpm	1
4.	Cooling coil	3/8" & 5/8", 4 way air flow	1
5.	Double Blower motor	12 V DC, 1440 rpm, 2 HP	1
6.	Parallel flow condenser with fan	12 V DC, 1440 rpm, 1/40 HP	1
7.	Hose pipes for Suction & Discharge	3/8" & 5/8"	1 each
8.	Receiver	300 psi, 2 1/2"x 6"	1
9.	Tubes	3/8" & 5/8"	1 each
10.	Charging line	1/4"	1
11.	Expansion valve	3/8" & 1/2"	1
12.	Coupling	1/4"	1
13.	Electrical wiring	2.5 mm	1 kit
14.	Fuse	30 Amp	1 set
15.	Current Relay	30 Amp, 12 V	1 set
16.	Temperature control meter panel	3 V DC	1
17.	Battery	12 V, 35 HA	1
18.	Alternator	12 V DC, 30 Amp	1
19.	Gas Cylinder completely filled with R-134a Refrigerant	10 kg capacity	1
20.	Tools for servicing	-	1 set

## Annexure 'A' (Part-II)

### Working Training Model of Bus AC

Working Trainer Model of Bus AC system fitted on a portable robust steel frame.

S. no	Description	Specifications / Size	Qty.
1.	Portable robust steel frame	2"x1 1/2"x20 SWG	1
2.	Body size (Internal)	8'x6'x6'	1
3.	Thermocol insulation (Complete body)	2", 18 kg density	1
4.	Powder coated sheet (Inside & Outside)	24 SWG	1
5.	Glass windows with complete fittings	Std.	6
6.	Sitting chairs	16"x16"	6
7.	Fiber body for cooling unit	Std.	1
8.	Condenser coil	3/8", 3 rows	1
9.	Condenser fan	dia. 14"	2 set
10.	Evaporator coil double side	3/8", 3 rows	1
11.	Blower motor completed with housing	12 V DC	4 set
12.	Thermostatic expansion value	1/2" x 3/8" size	1
13.	Filter drier	1/2" size	1
14.	Gas receiver	3/8" size	1
15.	Belt drive compressor	Suction pressure: - 0.18Mpa (gage), Discharge pressure: - 1.52Mpa, Displacement: 313m <sup>3</sup> /rev, Number Of Cylinder: -10	1
16.	Refrigerant hose piping for suction & discharging port	3/8" & 5/8"	1 set
17.	Compressor manifold / mounting bracket	Std.	1 set
18.	Electrical accessories		
	i) Current Relay	30 Amp, 12 V	1 set
	ii) Fuse	30 Amp	1 set
	iii) Temperature meter control panel	3 V DC	1
	iv) Dash board panel complete with accessories	Std.	1 set
19.	Electric motor complete with pulley & belt	7.5 HP, 3Phase, 440V, 1400 rpm	1 set
20.	Steel channel base	4"x1 1/2"	1
21.	Alternator	12 V DC, 30 Amp	1
22.	Battery	12 V, 120 HA	1
23.	Gas Cylinder completely filled with R-134a /R-22 Refrigerant	10 kg capacity	1
	<b>TOOL KIT</b>		
24.	Service Pressure Pump for Cleaning Coil & Condenser	1300 watt.	1 set
25.	Gas Cylinder (empty) for R-134a /R-22 Refrigerant	10 kg capacity	1
26.	Tool Kit For Repairing	Std.	1 Set
27.	Compressor Spare Parts	Std.	1 Set



## ANNEXURE-B

### FORMAT & REQUIREMENTS FOR SUBMITTING TECHNICAL BID

1. Tender Ref. No: .....
2. Name of Tenderer: .....
3. Complete office address of Tenderer.....
4. Contact details of authorized person of tenderer who have signed the tender.
  - a. Name.....
  - b. Designation.....
  - c. Phone (office).....
  - d. Phone (Mobile).....
  - e. E mail.....
5. Opening date & time: .....
6. Due date & Time of submission: .....
7. EMD payment / exemption details.....
8. Tender fee details .....
9. PAN of Tenderer (copy to be enclosed).....
10. TIN / VAT registration number of Tenderer (copy to be enclosed).....
11. Delivery period after receipt of order from NTSC: ..... (number of days)
12. Warranty Period..... (number of months from the date of supplies) &..... (number of months from the date of Installation & Commissioning of Working Trainer Models).

Please note, as per clause 5(a) of Commercial and General Terms & Conditions, the minimum warrantee period is 12 months from the date of Installation & Commissioning of Working Trainer Models or 15 months from the date of supplies, whichever is earlier. However, Tenderer may offer higher warrantee.

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

- a. The Tenderer shall furnish complete Technical details of Working trainer Models /equipment /material in detail which they intend to supply through this tender in the format as placed under:

1. Working Trainer Model of Car AC				Acceptance to the specification in Totality (Yes/No)
Details of specification as required in Tender by NTSC, Okhla				
S. no.	Description	Specifications / Size	Qty.	
1	Portable robust Steel Frame	1 ¼" x 1 ¼" x 20 SWG	1	
2	Compressor Fitted on Mounting Bracket	Suction pressure: - 40-45 psi (approx.), Discharge pressure: - 220 psi (approx.) Displacement(CC/R): 108 Number Of Cylinder: 5 Stroke(mm): 22.6	1	
3	Electric motor	2 HP, 220 volt, Single Phase, 1440rpm	1	
4	Cooling coil	3/8" & 5/8", 4 way air flow	1	
5	Double Blower motor	12 V DC, 1440 rpm, 2 HP	1	
6	Parallel flow condenser with fan	12 V DC, 1440 rpm, 1/40 HP	1	
7	Hose pipes for Suction & Discharge	3/8" & 5/8"	1 each	
8	Receiver	300 psi, 2 ½"x 6"	1	
9	Tubes	3/8" & 5/8"	1 each	
10	Charging line	¼"	1	
11	Expansion valve	3/8" & ½"	1	
12	Coupling	¼"	1	
13	Electrical wiring	2.5 mm	1 kit	
14	Fuse	30 Amp	1 set	
15	Current Relay	30 Amp, 12 V	1 set	
16	Temperature control meter panel	3 V DC	1	
17	Battery	12 V, 35 HA	1	
18	Alternator	12 V DC, 30 Amp	1	
19	Gas Cylinder completely filled with R-134a Refrigerant	10 kg capacity	1	
20	Tools for servicing	-	1 set	

Contd.

## 2. Working Trainer Model of Bus AC

Details of specification as required in Tender by NTSC, Okhla				Acceptance to the specifications in Totality (Yes/No)
S. no	Description	Specifications / Size	Qty.	
1	Portable robust steel frame	2"x1 1/2"x20 SWG	1	}
2	Body size (Internal)	8'x6'x6'	1	
3	Thermocol insulation (Complete body)	2", 18 kg density	1	
4	Powder coated sheet (Inside & Outside)	24 SWG	1	
5	Glass windows with complete fittings	Std.	6	
6	Sitting chairs	16"x16"	6	
7	Fiber body for cooling unit	Std.	1	
8	Condenser coil	3/8", 3 rows	1	
9	Condenser fan	dia. 14"	2 set	
10	Evaporator coil double side	3/8", 3 rows	1	
11	Blower motor completed with housing	12 V DC	4 set	
12	Thermostatic expansion valve	1/2" x 3/8" size	1	
13	Filter drier	1/2" size	1	
14	Gas receiver	3/8" size	1	
15	Belt drive compressor	Suction pressure: - 0.18Mpa (gage), Discharge pressure: - 1.52Mpa, Displacement: 313m3/rev, Number Of Cylinder: -10	1	
16	Refrigerant hose piping for suction & discharging port	3/8" & 5/8"	1 set	
17	Compressor manifold / mounting bracket	Std.	1 set	
18	Electrical accessories			
	i) Current Relay	30 Amp, 12 V	1 set	
	ii) Fuse	30 Amp	1 set	
	iii) Temperature meter control panel	3 V DC	1	
	iv) Dash board panel complete with accessories	Std.	1 set	
19	Electric motor complete with pulley & belt	7.5 HP, 3Phase, 440V, 1400 rpm	1 set	
20	Steel channel base	4"x1 1/2"	1	
21	Alternator	12 V DC, 30 Amp	1	
22	Battery	12 V, 120 HA	1	
23	Gas Cylinder completely filled with R-134a /R-22 Refrigerant	10 kg capacity	1	
	<b>TOOL KIT</b>			
24	Service Pressure Pump for Cleaning Coil & Condenser	1300 watt.	1 set	
25	Gas Cylinder (empty) for R-134a /R-22 Refrigerant	10 kg capacity	1	
26	Tool Kit For Repairing	Std.	1 Set	
27	Compressor Spare Parts	Std.	1 Set	

Contd.

- b. The Tenderer shall give a **self declaration on their letter-head**, confirming that they are regular in manufacturing & supplying the similar Working Trainer Models, from last 03 years, as mentioned in the tender no. NTSC/WST/Proc. TRG. Mod./2013-14/65 and has capacity & capability to execute the tender independently, in compliance to the terms & conditions contained in Tender documents.
- c. Details of buyers to whom the similar supplies completed during the last three years. The detail shall be submitted as per the format placed under:
- i) Name of work/ Project location/ Procurement office details:
  - ii) Scope of work:
  - iii) Name/ Address / Telephone number/ E-mail id of officer to whom reference, if required, may be made.
- d. The Tenderer shall clearly confirm that the tender shall remain valid for acceptance for 90 days from the date of opening the Technical Bid of the tender i.e. Valid for 90 days from the day i.e. 24th Dec. 2013.
- e. The Tenderer shall attach the duly signed on each page of these tender documents as detailed under and place along with the Technical Bid.
- i. Instructions to Tenderers,
  - ii. Commercial & General terms and conditions,
  - iii. Undertaking from tenderer and,
  - iv. Declaration by Tenderer,
- f. The Tenderer shall submit all supporting information with respect to the technical data, drawings or booklets of product. Any product brief, test certificates available may be enclosed.
- g. No price of any Working trainer Model / Equipments/ Spares/ Accessories shall be given in Technical Bid.
- h. List of recommended spares/ accessories, other than the details given in Technical Bid, shall be attached separately with full technical details.

Signature of the Tenderer with stamp

## ANNEXURE-C

### FORMAT & REQUIREMENTS FOR SUBMITTING COMMERCIAL BID- PRICE BID

1. Tender Ref. No.: .....
2. Name of the Tenderer: .....
3. Due date & due time of submission: .....
4. The offer with rates for the schedule of requirements of items, as elaborated under, to be submitted. Adhering to the format given below is a Pre-requisite for considering your quotations:

Item No.	Description	Qty	Unit Price (Rs.)	Duties and taxes		Total Amount (Rs.)
				VAT @ ..... (Rs.)	Any other tax ..... @ ..... (Rs.)	
A	Supply, Installation, Testing & Commissioning of Working trainer Model of Car AC System(as per details of specifications offered in the technical bid of your offer in compliance to the terms & conditions of tender)	1				
<b>Total</b>						

Total in words: - \_\_\_\_\_

Item No.	Description	Qty	Unit Price (Rs.)	Duties and taxes		Total Amount (Rs.)
				VAT @ ..... (Rs.)	Any other tax ..... @ ..... (Rs.)	
B	Supply, Installation, Testing & Commissioning of Working trainer Model of Bus AC System(as per details of specifications offered in the technical bid of your offer in compliance to the terms & conditions of tender)	1				
<b>Total</b>						

Total in words: - \_\_\_\_\_

Contd.

Grand Total (A+B) in figure: - \_\_\_\_\_

Grand Total (A+B) in words: - \_\_\_\_\_

5. In case of typographical error in figures & words of Total / Grand Total amount, the amount specified in figures shall be treated as final.
6. The price competitiveness shall be given due consideration while analyzing the commercial bid.
7. The rate quoted shall be in accounting units (A/U) and should be inclusive of basic price, packing, loading, forwarding, transportations & transit insurance including taxes & duties (as applicable) etc. up to the site i.e. NSIC-Technical Services Centre, Okhla, New Delhi. **The NTSC will not issue any form toward rebate / exclusion of sales tax/VAT.**

We hereby confirm that we have clearly understood the terms & Conditions as specified in the tender documents and agreed for the payment terms as specified in Para 10 of “Commercial and General Terms & Conditions” of this tender.

Further confirm that we will abide all the terms & conditions as specified in the tender and agreed for the penalty to be imposed, in case of delayed supplies from our end as specified in Para 4 of “Commercial and General Terms & Conditions” of this tender.

Signature of the Tenderer  
With stamp

\*\*\*\*\*END OF TENDER DOCUMENT\*\*\*\*\*