

DIRECTORATE OF STATE TRANSPORT, HARYANA

2nd Floor, 30 Bays Building, Sector-17, Chandigarh.

NOTICE INVITING E-TENDER

On line e-tenders are hereby invited for Purchase of 150 Nos. fully built up Heating Ventilation and Air Conditioned (HVAC) buses meeting BS-IV emission norms with comprehensive AMC for these buses and meeting the requirements of CMVR 1989 as amended up to date for use as HAVC buses in Haryana Roadways for minimum eight years.

S.No.	Description	Approx. value	EMD	Tender No.	Date & Time of downloading of e-Tender	Date & Time of closing of e-Tender
1.	Purchase of 150 Nos. fully built up diesel engine HVAC buses meeting BS-IV emission norms with AMC for minimum eight years.	Rs.75.0 crore	Rs.2.0 lac	14/2018-19/ SPA-1/ Tech	07.03.2019 15.00 Hrs.	08.04.2019 15.00 Hrs.

The detailed tender documents can be downloaded from the main portal <https://haryanaeprocurement.gov.in> w.e.f. 07.03.2019 after 15.00 hours and the last date of submission of online tenders is up to 15.00 Hours on 08.04.2019. A pre-proposal meeting is scheduled to be held on 19.03.2019 at 11.00 A.M. at this Directorate for providing clarifications, if any. For any clarification relating to e-tenders bidder may contact Help Desk No.: 1800 180 2097 (Toll free).

Dated: 01.03.2019

Sd/-
Director,
State Transport, Haryana,
Chandigarh.

DETAIL NOTICE INVITING TENDER

e-Tender is invited for purchase of below mentioned items in single stage two cover system i.e. Request for Pre-Qualification/Technical Bid (online Bid under PQQ/ Technical Envelope) and Request for Financial Bid (comprising of price bid Proposal under online available Commercial Envelope):-

Sr. No	Description of work / Items	EMD to be deposited by Bidder	Tender Document Fee & eService Fee (Rs.)	Start Date & Time of Bid Preparation & Submission	Expiry Date & Time of EMD, Tender fee & e-processing fee Submission,	Expiry Date & Time of Bid Preparation & Submission
1.	Purchase of 150 Nos. fully built up diesel engine HVAC buses meeting BS-IV emission norms with AMC for minimum eight years.	Rs.2.00 lac	Rs.5000/- & Rs.1000/-	07.03.2019 15.00 Hrs	05.04.2019 17.00 Hrs.	08.04.2019 15.00 Hrs.

Under this process, the Pre-qualification/ Technical online bid Application as well as online Price Bid shall be invited at single stage under two covers i.e. PQQ/Technical & Commercial Envelope. Eligibility and qualification of the Applicant will be first examined based on the details submitted online under first cover (PQQ or Technical) with respect to eligibility and qualification criteria prescribed in this Tender document. The Price Bid under the second cover shall be opened for only those Applicants whose PQQ/ Technical Applications are responsive to eligibility and qualifications requirements as per Tender document.

1. **The payment for Tender Document Fee shall be made by eligible bidders online directly through Internet Banking Accounts and e-Service Fee amounting to Rs. 1,000/- only through Debit Cards & Internet Banking Accounts. The payment for EMD can be made online directly through RTGS/NEFT. Please refer to 'Online Payment Guideline' available at the Single e-Procurement portal of GoH (Govt. of Haryana) and also mentioned under the Tender Document.**

2. Intending bidders will be mandatorily required to online sign-up (create user account) on the website: <https://haryanaeprocurement.gov.in> to be eligible to participate in the e-Tender. **He/She will be required to make online payment of Rs.2.00 lac towards EMD fee in due course of time. The intended bidder fails to pay EMD fee under the stipulated time frame shall not be allow to submit his / her bids for the respective event / Tenders.**

3. The interested bidders must remit the funds at least T+1 working day (Transaction day + One working Day) in advance i.e. **on or before (05.04.2019 up to 17.00 Hrs);and make payment via RTGS /NEFT to the beneficiary account number specified under the online generated challan. The intended bidder / Agency thereafter will be able to successfully verify their payment online, and submit their bids on or before the expiry date & time of the respective events/Tenders at <https://haryanaeprocurement.gov.in>**

The interested bidders shall have to pay mandatorily e-Service fee (Non refundable) of Rs.1000/- (Rupee One Thousand Only) online by using the service of secure electronic gateway. The secure electronic payments gateway is an online interface between bidders & online payment authorization networks.

The Bidders can submit their tender documents (Online) as per the dates mentioned in the key dates:-

Key Dates

Sr. No.	Department Stage	Bidder's Stage	Start date and time	Expiry date and time
1		Tender Document Download and Bid Preparation/Submission	07.03.2019 at 15.00 Hrs.	08.04.2019 upto 15.00 Hrs.
2	Technical Bid Opening		08.04.2019 at 15.30 Hrs.	
3	Financial Bid Opening		(Will be intimated to the firm on their phone or email address)	

Important Note:

- 1) The Applicants/bidders have to complete 'Application / Bid Preparation & Submission' stage on scheduled time as mentioned above. If any Applicant / bidder failed to complete his / her aforesaid stage in the stipulated online time schedule for this stage, his / her Application/bid status will be considered as 'Applications / bids not submitted'.
- 2) Applicant/Bidder must confirm & check his/her Application/bid status after completion of his/her all activities for e-bidding.
- 3) Applicant/Bidder can rework on his/her bids even after completion of 'Application/Bid Preparation & submission stage' (Application/Bidder Stage), subject to the condition that the rework must take place during the stipulated time frame of the Applicant/Bidder Stage.
- 4) In the first instance, the online payment details of tender document fee + e-Service and EMD & PQQ/Technical Envelope shall be opened. Henceforth financial bid quoted against each of the item by the shortlisted bidder/ Agency wherever required shall be opened online in the presence of such bidders/ Agency who either themselves or through their representatives choose to be present. The bidder can submit online their bids as per the dates mentioned in the schedule/Key Dates above.

The bids shall be submitted online in two separate envelopes:

Envelope 1: Technical Bid

The bidders shall upload the required eligibility & technical documents online in the Technical Bid.

Envelope 2: Commercial Bid

The bidders shall quote the prices in price bid format under Commercial Bid.

Instructions to bidder on Electronic Tendering System

These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.

1. Registration of bidders on e-Procurement Portal:-

All the bidders intending to participate in the tender process online are required to get registered on the centralized e - Procurement Portal i.e. <https://haryanaeprocurement.gov.in>. Please visit the website for more details.

2. Obtaining a Digital Certificate:

2.1 The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital Certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.

2.2 A Digital Certificate is issued upon receipt of mandatory identity (i.e. Applicant's PAN Card) and Address proofs and verification form duly attested by the Bank Manager / Post Master / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – <https://haryanaeprocurement.gov.in>.

2.3 The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from.

2.4 The bidder must ensure that he/she comply by the online available important guidelines at the portal <https://haryanaeprocurement.gov.in> for Digital Signature Certificate (DSC) including the e-Token carrying DSCs.

2.5 Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt and sign the data during the stage of bid preparation. In case, during the process of a particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised **to keep a backup of the certificate** and also keep the copies at safe place under proper security (for its use in case of emergencies).

2.6 In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no-objection certificate /power of attorney / lawful authorization to that User. The firm has to authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000. Unless the certificates are revoked, it will be assumed to represent adequate authority of the user to bid on behalf of the firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.

2.7 In case of any change in the authorization, it shall be the responsibility of management / partners of the firm to inform the certifying authority about the change and to obtain the digital signatures of the new person / user on behalf of the firm / company. The procedure for application of a digital certificate however will remain the same for the new user.

2.8 The same procedure holds true for the authorized users in a private/Public limited company. In this case, the authorization certificate will have to be signed by the directors of the company.

3 Pre-requisites for online bidding:

In order to operate on the electronic tender management system, a user's machine is required to be set up. A help file on system setup/Pre-requisite can be obtained from Nextenders (India) Pvt. Ltd. or downloaded from the home page of the website - <https://haryanaeprocurement.gov.in>. The link for downloading required java applet & DC setup are also available on the Home page of the e-tendering Portal.

4 Online Viewing of Detailed Notice Inviting Tenders:

The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal eProcurement system on the Home Page at <https://haryanaeprocurement.gov.in>.

5 Download of Tender Documents:

The tender documents can be downloaded free of cost from the eProcurement portal <https://haryanaeprocurement.gov.in>

6 **Key Dates:**

The bidders are strictly advised to follow dates and times as indicated in the online Notice Inviting Tenders. The date and time shall be binding on all bidders. All online activities are time tracked and the system enforces time locks that ensure that no activity or transaction can take place outside the start and end dates and the time of the stage as defined in the online Notice Inviting Tenders.

7. **Online Payment of Tender Document Fee, eService fee, EMD fees & Bid Preparation & Submission (PQQ/ Technical & Commercial/Price Bid):**

i) **Online Payment of Tender Document Fee + e-Service fee:**

The online payment for Tender document fee, eService Fee & EMD can be done using the secure electronic payment gateway. The Payment for Tender Document Fee shall be made by bidders/ Vendors online directly through Internet Banking Accounts and eService Fee through Debit Cards & Internet Banking Accounts. The Payment for EMD shall be made online directly through RTGS / NEFT. The secure electronic payments gateway is an online interface between contractors and Debit card / online payment authorization networks.

ii) **PREPARATION & SUBMISSION Of online APPLICATIONS/BIDS:**

Detailed Tender documents may be downloaded from e-procurement website (<https://haryanaeprocurement.gov.in>) and tender mandatorily be submitted online.

Scan copy of Documents to be submitted/uploaded for Prequalification or Technical bid under online PQQ/ Technical Envelope: The required documents (refer to DNIT) shall be prepared and scanned in different file formats (in PDF /JPEG/MS WORD format such that file size is not exceed more than 10 MB) and uploaded during the on-line submission of PQQ or Technical Envelope.

FINANCIAL or Price Bid PROPOSAL shall be submitted mandatorily online under Commercial Envelope and original not to be submitted manually)

8. **ASSISTANCE TO THE BIDDERS:-**

Technical Support Assistance will be available between 09:00 am To 5:30 pm

From Monday to Friday -0172-2582008, 2582009.

For Saturday and Sunday -9310335475, 9034357793

Important Note:-

All queries would require to be registered at our official email- chandigarh@nextenders.com for on-time support. (Only those queries which are sent through email along with appropriate screenshots or error description will be considered as registered with the Help-desk). Contact our helpdesk on or before prior to 4 hours of the scheduled closing date & time of respective e-Auction/ Tender event. For queries pertaining to ePayment of EMD, please contact the helpdesk at least 2 business days prior to the closing date & time of eAuction/Tender event.

Help-desk support will remain closed during lunch break i.e. from 1:30 PM up to 2:15 PM on each working day.

Office Address for Training workshop on 1st, 2nd Wednesday (from 3:30 pm up to 5:00 pm) of each month

Nextenders India Pvt. Ltd Municipal Corporation Faridabad Near B.K. Chowk, Opp. B.K. Hospital NIT, Faridabad Contact for Training +91- 9310335475	Nextenders India Pvt. Ltd Public Health Division No 2 Hisar, Model Town, Opp. N.D Gupta Hospital, Hisar Contact for Training +91- 9034357793	Nextenders (India) Pvt. Ltd. Nirman Sadan (PWD B&R) Plot No.- 01, Basement, Dakshin Marg, Sec- 33 A, Chandigarh -160020 Contact for Training -0172-2582008 - 2009
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For Support (From Monday to Friday) -0172-2582008, 2582009 and

(For Saturday and Sunday) -9310335475, 9034357793

Office will remain closed on Saturday, Sunday and National Holidays.

Help Desk contact details for Saturday and Sunday are as hereunder for escalation level - 1.

1.Mr.Lalit Saini – +91- 9034357793

Email – chandigarh@nextenders.com

Timings- 9:00 am to 5:30 pm

2.Mr. Tinku Singh - +91- 9310335475

Email – chandigarh@nextenders.com

Timings- 9:00 am to 5:30 pm

NOTE:- Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal <https://haryanaeprocurement.gov.in>.

For help manual please refer to the 'Home Page' of the e-Procurement website at <https://haryanaeprocurement.gov.in>, and click on the available link 'How to...?' to download the file.

Guideline for Online Payments in e-tendering

Post registration, bidder shall proceed for bidding by using both his digital certificates (one each for encryption and signing). Bidder shall proceed to select the tender he is interested in. On the respective Department's page in the e-tendering portal, the Bidder would have following options to make payment for tender document & EMD:

A. Debit Card

B. Net Banking

C. RTGS/NEFT

Operative Procedures for Bidder Payments

A) Debit Card

The procedure for paying through Debit Card will be as follows.

(i) Bidder selects Debit Card option in e-Procurement portal.

(ii) The e-Procurement portal displays the amount and the card charges to be paid by bidder. The portal also displays the total amount to be paid by the bidder.

(iii) Bidder clicks on “Continue” button

(iv) The e-Procurement portal takes the bidder to Debit Card payment gateway screen.

(v) Bidder enters card credentials and confirms payment

(vi) The gateway verifies the credentials and confirms with “successful” or “failure” message, which is confirmed back to e-Procurement portal.

(vii) The page is automatically routed back to e-Procurement portal

(viii) The status of the payment is displayed as “successful” in e-Procurement portal. The e-Procurement portal also generates a receipt for all successful transactions. The bidder can take a print out of the same,

(ix) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

B) Net Banking

The procedure for paying through Net Banking will be as follows.

(i) Bidder selects Net Banking option in e-Procurement portal.

(ii) The e-Procurement portal displays the amount to be paid by bidder.

(iii) Bidder clicks on “Continue” button

(iv) The e-Procurement portal takes the bidder to Net Banking payment gateway screen displaying list of Banks

(v) Bidder chooses his / her Bank

(vi) The Net Banking gateway redirects Bidder to the Net Banking page of the selected Bank

(vii) Bidder enters his account credentials and confirms payment

(viii) The Bank verifies the credentials and confirms with “successful” or “failure” message to the Net Banking gateway which is confirmed back to e-Procurement portal.

(ix) The page is automatically routed back to e-Procurement portal

(x) The status of the payment is displayed as “successful” in e-Procurement portal.

The e-Procurement portal also generates a receipt for all successful transactions. The bidder can take a print out of the same. (xi) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

C) RTGS/ NEFT

The bidder shall have the option to make the EMD payment via RTGS/ NEFT. Using this module, bidder would be able to pay from their existing Bank account through RTGS/NEFT. This would offer a wide reach for more than 90,000 bank branches and would enable the bidder to make the payment from almost any bank branch across India.

i. Bidder shall log into the client e-procurement portal using user id and password as per existing process and selects the RTGS/NEFT payment option.

ii. Upon doing so, the e-procurement portal shall generate a pre-filled challan. The challan will have all the details that is required by the bidder to make RTGS-NEFT payment.

iii. Each challan shall therefore include the following details that will be pre-populated:

- Beneficiary account no: (unique alphanumeric code for e-tendering)
- Beneficiary IFSC Code:
- Amount:
- Beneficiary bank branch:
- Beneficiary name:

iv. The Bidder shall be required to take a print of this challan and make the RTGS/NEFT on the basis of the details printed on the challan.

v. The bidder would remit the funds at least T + 1 day (Transaction + One day) in advance to the last day and make the payment via RTGS / NEFT to the beneficiary account number as mentioned in the challan.

vi. Post making the payment, the bidder would login to the e-Tendering portal and go to the payment page. On clicking the RTGS / NEFT mode of payment, there would be a link for real time validation. On clicking the same, system would do auto validation of the payment made.

Sr. No.	Scenario	Do's / Don't's
1	<p>In the event of making Payment through NEFT/RTGS</p>	<p>Do's</p> <ul style="list-style-type: none"> • It is the bidder's responsibility to ensure that RTGS/NEFT payments are made to the exact details as mentioned in the challan which are: <ol style="list-style-type: none"> 1) Beneficiary account no: <client code> + <random number> 2) Beneficiary IFSC Code: As prescribed by ICICI Bank (this shall remain same across all tenders) 3) Amount: As mentioned on the challan. It is specific for every tender/transaction 4) Beneficiary bank branch: ICICI Bank Ltd, CMS 5) Beneficiary name: As per the challan <ul style="list-style-type: none"> • For every tender, details in the challan are different and specific to that tender only. Bidder should not make use of a challan for making payment for another tenders' EMD • It is advised that all the bidders make payment via RTGS/NEFT at least one day in advance to the last day of tender submission as certain amount of time is required for settlement and various parites are involved. The payment may not be available for the bidder validation. In such cases bidder may not be able to submit the tender • Bidder has to make only single payment against a challan as per the amount mentioned on the challan. • Bidder must do the payment before tender validity gets expired <p>Don't's</p> <ul style="list-style-type: none"> • Bidder should not enter erroneous details while filling the NEFT/RTGS form at their bank. The following possibilities may arise: <ol style="list-style-type: none"> 1) Incorrect IFSC code mentioned:- Transaction would be rejected and the amount would be refunded back in to the bidders account 2) Incorrect Beneficiary account number mentioned(<client code> + <random number>):- <ol style="list-style-type: none"> a) In case, the beneficiary account number mentioned is incorrect the transaction would be rejected and the bid would not be accepted. 3) Incorrect Amount mentioned: The amount would be rejected if the amount mentioned in while making the payment is incorrect. Such cases will be captured as un reconciled transactions and will be auto-refunded directly to bidder's account. In the event of any discrepancy, payment would not be considered and bidder would not be allowed to bid/ participate. <ul style="list-style-type: none"> • Bidder is not supposed to use challan generated in one tender for payment against another tender since details in the challan are unique to the tender and bidder combination. • Bidder must not make multiple or split payments against a particular challan. Any split payment received against the same challan will be refunded back to the bidder. • Bidder would not be entitled to claim that he is deprived of participating in the tender because his funds are blocked with the division on account of incorrect payment made by the bidder

TERMS & CONDITIONS FOR SUBMITTING TENDER FOR SUPPLY OF NEW FULLY BUILT UP DIESEL ENGINE STANDARD HVAC BUSES MEETING BS-IV EMISSION NORMS WITH AMC FOR MINIMUM EIGHT YEARS.

1	Eligibility	Indian Bus Manufacturers.
2	Place of Delivery	Haryana Roadways Engineering Corporation Limited, Gurugram.
3	GST	Inclusive (as applicable). Variation in GST during the scheduled delivery period will be allowed.
4	Specifications	Standard specifications of HVAC bus manufactures meeting the latest specifications as provided under CMVR-1989, with broad specifications given at Annexure-S.
5	Validity of offered rate	The offer should be valid for 4 months from the date of opening of tender (financial bid). The validity of the approved Rates for 12 months from the date of finalization of rates
6	Quantity	150 Nos. fully built up standard diesel engine HVAC buses meeting BS-IV emission norms. However, the department will be at liberty to increase/decrease any number of HVAC buses of identical specifications.
7	Payment Term	100% payment within 30 days from the date of satisfactory delivery of ordered buses at consignee location i.e. Haryana Roadways Engg. Corporation Ltd., Gurugram.
8	Delivery of buses	Prototype bus to be got approved within 45 days of placing of order and balance buses to be supplied within next three months from the date of approval of the proto bus. However, the department will be at liberty to change the delivery quantity per month as per its requirement.
9	Earned Money Deposit	Earnest Money Deposit amounting to Rs.2.00 Lac to be paid by NEFT/RTGS on line.
10	Tender document charges	RS.5000/- to be paid on line as per terms & conditions of e-Tender.
11	Performance Bank Guarantee/Security	Successful bidder has to deposit a Bank Guarantee valid for 24 months of an amount equivalent to 5% of total value of the order. This is liable to be revoked/ forfeited in case of failure to meet the contractual obligations, including timely supply of the ordered material.
12	Price Variation	Basic Price shall be fixed for 12 months. Any offer with price variation clause or conditional offers will be rejected. No price escalation on any ground except revision in Govt. levies i.e. GST rate, compensation cess etc. on ordered HVAC fully built-up bus will be allowed. Delayed deliveries will not be eligible for increased Govt. levies.
13	Delay Penalty	Any delay on the part of the firm for supplying the buses after the scheduled delivery period will attract a delay penalty @ 2% of the value of delayed supply per month of delay or part thereof. However, maximum delay penalty will be limited to 10% value of delayed supply of buses.
14	Warranty	Minimum 18 months/1.5 lac kms on chassis, bus body and HVAC System and minimum 24 months or 2.0 lac kms on engine. The warranty shall be availed from the date of initial registration of the bus for commercial operations.
15	Fall Clause	The firm will be subjected to fall clause i.e. the firm will not be offering prices

		to other STUs lower than the order price from Haryana for buses with same specifications, same terms and condition of order and similar order quantities during the validity of the delivery period. In case of offering lower rate than offered to the Haryana Roadways the same will be applicable to Haryana Roadways also from the date of offering the lower rates.
16	Transit Insurance	Delivery of ordered buses and transit insurance of the buses up to HREC, Gurugram will be got carried out by the firm and is to be included in the offered rates.
17		The tender would be decided on the basis of the best valid rates quoted. As per policy of the department of Industries & Commerce Department, Govt. of Haryana for procurement of stores, goods and services & turn-key contracts negotiations regarding issued vide its circular No.2/2/2010-4/IB-II dated 16.6.2014, the negotiations could be held up to L-3 bidder, if the difference between L-1 quoted rate and those quoted by L-2 and L-3 is within 5% of the L-1 quoted rate. In case where the L-1 bidder refuses to further reduce his offered price and the L-2 or L-3 bidders come forward to offer a price which is better than the price offered by the L-1 bidder, the bidder whose price is accepted becomes the L-1 bidder. However, in such a situation, the original L-1 bidder may be given one more opportunity to improve upon the discovered price. In case, the original L-1 bidder further improves upon the price discovered during the negotiations, he would be treated as the L-1 bidder. However, certain concession available to MSMEs included in G.O. No. 2/2/2016-41BII(1) dated 20.10.2016 shall be available to Haryana based MSMEs.
18		Any firm that has been blacklisted by Central Govt./ any State Govt./ PSU/STUs on the basis of submitting of the forged documents/non supply of material/failure of random sample/non-complying the contract obligations etc. during preceding 3 years shall not be allowed to participate in future tenders and all the participating firms will be required to submit an affidavit along with tender that the participating firms have not been blacklisted by Central Govt./ any State Govt./ PSU/STUs. In case, contents of affidavit are not found correct during the course of decision making the offer of the firm will not be considered. In case of being found not correct during supply of ordered stores, supply of balance order will be cancelled along with encashment the EMD/BG deposited by the firm. However, balance ordered quantity will be purchased from other alternate source at the risk and cost of firm and extra cost involved will be recovered from encashed EMD/BG or through law of Court.
19		Delay in payments to the suppliers beyond the stipulated credit period indicated in the supply order, unless supported by cogent reasons and approved by a Director General, State Transport Haryana, Chandigarh will attract penal interest on the defaulting amount @ Rs.25/- per rupees one lakh per day of delay beyond the stipulated credit period. Non provision of adequate budget will be no ground for delay in payments to the supplier.
20		In case bidder withdraws/modifies its offer within the validity period, submit forged /fake documents or do any unethical/un-business like activity, do not accept the supply order, do not supply the 1 st delivery schedule after availing lead time of 45 days/do not submit Bank Guarantee, EMD of the firm will be forfeited and other departmental penal action, as deemed fit, will be taken.
21		The firm will have to supply the GST paid bill along with each bus.
22		The department reserves the right to modify/revoke the order at any point of time without assigning any reason issued against the Rate Contract to be finalized on the basis of the tender.
23		Firm should have capability to supply the tendered quantity.

24	Any conditional terms and conditions mentioned by the firm in their covering letter or in the tender documents will not be considered.	
25	The tenders submitted directly by the Indian manufacturers of complete diesel engine HVAC bus will only be considered.	
26	Jurisdiction	Any dispute or difference or claim etc., shall be subject to the exclusive jurisdiction of the courts situated at Chandigarh only. No other court shall have the jurisdiction to entertain or try any matter concerning this supply tender.
27	Arbitrator	All disputes and differences arising out of or concerning whatsoever, shall be referred to the sole Arbitrator or an officer appointed by the Additional Chief Secretary to Government Haryana, Transport Department, acting as such at the time of the reference. There will be no objection to such appointment, that the Arbitrator so appointed is a Govt., servant, that he has to deal with such matters in the course of duties as Govt., servant and might have expressed views on all or any of the matters in disputes or differences. The award of such Arbitrator shall be final and binding on the parties involved. The Arbitrator has the powers to extend the time for making the award on request from either of the parties.
28	General requirements	The firm is expected to offer following (on complimentary basis) to the depots of Haryana Roadways: - 1) Free service training to the technicians and supervisors at service training centers of the manufactures. 2) Free service manual and spare parts catalogue of quoted HVAC bus. 3) Use of one make of major aggregates in all the supplied HVAC bus. 4) Organizing service training camps in the depots of Haryana Roadways.
29	Stage-wise inspection of proto type bus.	Three stage inspection of proto type bus will be carried out by a committee of officers of the department at the following stages: - (i) Body structuring stage, (ii) Inside/outside paneling & flooring stage, (iii) Window fitting, sheet fitting & painting stage.

Certified that I/we have read out/understood above all terms and conditions and accepted unconditional.

Dated: -

Signature of Authorized Person of firm with stamp

1.	Propulsion system	Internal combustion engine
2.	Fuels-options	High Speed Diesel
2.1	Model	2019 or latest
3	Engine Technology	SCR
3.1	Fuel recommended	Fuel to be compatible with propulsion system.
3.2	Rated HP preferably at lower rpm range	Minimum 165Kw 210 H.P. @ 2300-2500 RMP Torque 750 Nm
3.3	Emission norms	BSIV with SCR Technology. Certificate based on their Engine Dynamo Meter Test for exhaust gas analysis of CO, HC, NOX and PM(Particulate matter) in gms/ Kwh. A photo copy of the type approval certificate issued underCMVRrules126 by the Competent Authority shall need to be submitted.
3.4	Electronic engine management(EMS)system with provisions amongst others	Full electronic management of engine including on-board diagnostic and driver alert e.g. engine oil pressure, engine coolant temperature, engine speed in RPM, vehicle speed, diagnostic details message (engine specific)
3.5	Engine Rs.operational requirements	Engine should be able to operate efficiently at ambient temperatures of approximately 0 ^o to 50C, humidity level from 5% to 100%
3.6	Engine location	Front Engine/Rear Engine. Hood to be provided with complete heat and noise insulation.
3.7	Transmission	Manual Transmission. The Gear box shall be of synchromesh type with 6 forward speed gear & one reverse gear/OE standard fitment.
3.8	Clutch	Single plate dry friction type mechanical or assisted actuation.
4	Gross Vehicle Weight	GVW from 16200 to 16500 kg
5.	Steering System	Hydraulic power steering with height and angle adjustment provision. Adjustable Steering column.
6.	Suspension system	Fully pneumatic Air Suspension for Rear and Weveller or better for Front
6.1	Front	Weveller Suspension or better
6.2	Rear	Air bellows – 2/4 numbers
6.3	Anti Roll Bars/Stabilizers	As per OEM Specifications
6.4	Shock Absorbers	Hydraulic double acting 2 at front & 2/4 at rear along with anti roll bar as per standard design and included in type approval.
7.	Braking System	
7.1	Type of Brakes	Dual circuit full air brakes, for all wheels with Auto Slack Adjusters. Graduated Valve controlled, spring actuated parking brakes acting on both rear wheels.
7.2	Anti skid and anti brake locking system (ABS)	Mandatory
8.	Electrical system	24volt DC
8.1	Batteries	Low maintenance type lead acid batteries for 24V system – performances as per BIS:14257-1995 (latest).

		2*12V batteries of 180 Ah capacity. Maintenance free batteries preferred. Battery must not be older than 6 months older than date of delivery of buses.
8.2	Self-starter	24 volt DC
8.3	Alternator	24V 85-120 Amps for Engine and 120150 Amps for AC.
8.4	Electrical wiring & control – type	As per CMVR, 1989 applicable at the time of delivery of HVAC buses.
9.	Speed limiting device	Electronic type duly approved/certified as per AIS:018/2001 or latest, tamper proof and be adjusted to applicable speed limit as per MoRTH notification
10.	Tyre	Steel radial tube-less including spare tyre. Size and performance as per CMVR. Tyres must not be more than six month old as on the date of delivery of fully built up bus. Front–2,Rear 4+one spare preferred size 295/80R 22.5-16PR.
11.	Fuel Tank	Minimum 240 ltrs capacity
BUS BODY CHARACTERSTRICS		
12.	Bus characteristics	Aerodynamic body design for better fuel efficiency.
12.1	Bus dimensions mm	
A	Overall length mm (over body excluding)	Net exceeding 12000
B	Overall width mm (sole bar/ floor level – extreme	2600 (maximum)
C	Overall height mm (unladen at extreme point)	3800 (maximum)
D	Wheel base mm	5900-6200mm
E	Front overhang	To be submitted by manufacturer/As per CMVR
F	Rear overhang	To be submitted by manufacturer/As per CMVR
12.2	Turning circle radius (mm)	To be submitted by manufacturer/As per CMVR
12.3	Floor height above ground mm	To be submitted by manufacturer/As per CMVR
12.4	Clearances (mm)	
A	Axle clearance (mm)	900mm – 1300mm
	Minimum ground clearance at GVW	Within the wheelbase not less than 240mm
13	Bus gates/doors	
13.1	Location of Gates	One Door front side before front tyres
13.2	Type of door	Pneumatic Doors Out-Swing or Jack and Knife type open able by Driver only through Switch.
A	Operating mechanism	Electro pneumatically controlled.
B	Opening closing time in seconds per operation	≤4
C	Position of door controls ensuring display of open/ close status on dash	On dashboard. Controls also in side & outside of doors for emergency operation.
D	Passenger safety system-allowing bus motion on doors closing and doors opening only when	Safety Buzzer be provided
13.3	Front service doors – near side:	✓

A	Clear door width (fully opened) in mm	As per AIS 052
B	Door height in mm	As per AIR 052
C	Positioning front service gate	Ahead of front axle.
D	Number of gates	1
13.4 A	Maximum first step height (mm) from ground–un-laden position in buses with: Stepped type entry	350 mm or as per AIS 052
B	Maximum height (mm) of other steps	300mm or as per AIS 052
13.5	Emergency doors/exits or apertures (numbers)	As per AIS 052
A	Dimensions mm	As per AIS 052
13.6	Door closing requirements for bus movement -	Buzzer be provided if bus moves before door closing completed
A	Power operated service door – construction & control system of a power operated service door be such that a Passenger is unlikely to be injured/trapped between the doors.	As per AIS 052
B	Door components	As per AIS 052
C	Door locks/locking systems/ door retention items	As per AIS 052
D	Door hinges	As per AIS 052
14.	Bus Body	As per AIS 052
14.1	Design type approval	
A	Design type approval – all bus body structures & structural aggregates be designed to fulfill the loading, operating & performance parameters using finite element analysis (FEA) or any other analytic technique for: Stability Stiffness Structural stability Vibration	Test Certificates required as from CIRT/ARAI/ ICAT(Base ARAI certificate for the model quoted to be submitted along with technical bid however Test certificate for the quoted model as per RFP can be submitted before/at the time of proto Inspection)
14.2	Structural performance	
A	Bus structure to meet requirements of:	
i	Body structure strength test-each type of vehicle be subjected to roll over test on complete vehicle/specified representative	As per AIS 052 Roll Over Test Certificate required.

	section there of or to an alternate method approved by the test agency.	
ii	Stability	As per AIS 052
iii	Deflection	✓
iv	Vibrations	✓
v	Roll over protection	✓
vi	Joint strength – body panel joints meet requirements of holding the joined panel when subjected to force of 60% of tensile strength of weakest.	As per AIS 052
B	Bus body structure evaluation by a & or b	As under
I	Physical testing or	As per AIS 052
ii	Finite element method	As per AIS 052
iii	Roll over tests with the bus rolling from ground level instead of a raised plat form. Angular velocity should not exceed 5 degrees/second.	
	1. Bus tilted to its unstable position.	
	2. Bus allowed falling freely under gravity from this	
	3. GVW of the bus to be considered.	
14.3	Bus structure – materials specs etc.	
A	Super structure	As per OEM Standards and as per structural drawings approved by ARAI/CIRT/ICAT Approval Certificate. Approved Structural drawings to be shown/submitted at the time of prototype inspection.
B	Under structure	
C	Paneling	
i	Roof Paneling: interior	Aluminium Coil 0.91 mm PVC laminated.
ii	Roof Paneling: exterior	Aluminium Coil 1.21 mm
iii	Side paneling: interior	Aluminium Sheet of 0.91mm thickness PVC laminated.
iv	Other side panels:	
v	Stretch panel: Exterior side panels of stretched steel sheet at different waist levels along length of the	G.P. sheet as per OEM Standards

	bus.	
vi	Skirt Panel	As per OE/Approved ARAI structural drawings.
vii	Front end interior	Aesthetically state of Art designed and to be submitted by manufacturer and as per OEM.
viii	Front end exterior	As per OEM standards.
ix	Rear end interior	
x	Rear end exterior	
14.4	Insulation	
A	Roof structure	Thermocole Sheet 40mm thick/FR grade foam 40mm thick
B	Engine compartment	Fire retardant preferable ceramic fibre 128kg/m ³ with Aluminium Mesh to prevent fall off over engine or as per OEM standard or ARAI/CIRT/ICAT approved drawings subject to satisfaction of DGST, Haryana.
14.5	Floor type/Materials etc.	
A	Type of floor	As per OEM design.
B	Floor surface material	12mm thickness phenolic resin bonded densified laminated compressed wooden floor board (both side plain surface) having density of 1.2 gm/cc conforming to IS3513 (Part-3): type VI 1989 or latest. The flooring should also be boiling water resistant as per marine board BIS 710-1976/latest and fire retardant as per BIS 5509-2000 (IS 15061:2002). There should be Anti-Corrosive G.I. Sheet under Ply board.
C.	Anti-skid material	2mm thick anti-skid type silicon grains ISO877/76 for color, IS5509 for fire retardancy.
14.6	Safety glasses and fittings	Single Piece windshield, stylish exterior, combination head lamps as per approval of DGST, Haryana.
A	Front windscreen (laminated) glass:	Single piece laminated safety glass, as per IS2553 (Part-2)-1992/latest. Front wind screen glass shape may be curved or plain, flat/curved with curved corners, to match vehicle design and contours etc.
	Size	Standard design As per OEM/CMVR/AIS 052
B	Rear wind screen: (wherever provided)	Single piece flat/curved or plain/flat at centre & curved at corners to match vehicle contours/design. Rear wind screen glass be toughened glass IS: 2553(Part-2)-1992/latest.
	Size:	Standard design As per OEM/CMVR/AIS 052
	Side windows:	Large flat/curved to match bus shape and

C		contour, 2-piece design-fixed toughened glass IS2553 (Part-2)-1992/latest.
	Glass thickness:	4.8-5.3mm
	Minimum window glass/ aperture area (main windows) in cm ²	14000 or as per AIS 052 Design/CMVR
	Light transmission (%) in case of tinted glasses.	As per CMVR/AIS 052
D	Rear view mirrors	As per AIS 052
14.7	Seating and gangway etc. for ACX buses generally as per AIS 052	Ergonomically designed seats of reputed makes like Harita with soft cushion head seats rest, spacious gangway etc.
14.7.1	Passenger seating's for ACX type-II buses	As per AIS 052 and as per approval of DGST, Haryana.
A	Seat layout	3x2
B	Seat area/seat space per Passenger (width*depth)	400*400 minimum/AIS 052
C	Seat pitch – minimum: mm as per AIS 052	750
D	Minimum backrest height-from floor to top of seat/headrest	1100 mm from floor/As per AIS 052
	Seat base height-distance from floor to horizontal front upper surface of seat cushion	As per AIS 052
E	Torso angle	Minimum 15 °
F	Passenger seats with high back rest, contoured to suit human body, padded and provided with head rest.	
G	Seat materials	Cushioned seats with Moulded polyurethane foam as per ISI5961-2002 or latest foam as per approval of DGST, Haryana.
H	Seat frame structure material where required	Frame structure of ERW steel or aluminum tube/sheets/formed sections and as per approval of DGST, Haryana.
I	Free height over seating position mm	More than 900/As per AIS 052
	Seat base height	As per AIS 052
J	Clearance space for seated Passenger facing partition mm	As per AIS 052
K	Seat back/Pad material/ thickness:	Polyurethane foam ISI5061:2002, 75 mm for seat Back and 130 x 100 MM (Min.) for seat base.
	Type	Suitably moulded/fabricated and padded with 50 mm foam with cloth upholstery

	Upholstery	Pile fabric/jekard 0.7-1.0 mm thickness or Tepstry cloth as per approval of DGST, Haryana
L	Number of seats	Minimum 56 seats excluding driver and conductor seats and as per approval of DGST, Haryana.
M	Headrest	Required
N	Seat arm (Foldable)	At corner
O	Magazine pouch	Required
P	Reading lights	LED lights required
Q	Seat back rest	Fixed
R	Seat belts & their anchorage	Not necessary except driver seat (performance etc. as per AIS 052
S	Performance & Strength requirements of driver	As per AIS 052
14.7.2	Gangway:	To be proposed manufacturer/As per approved ARAI/CIRT drawings
A	Minimum interior head room (centre line of gangway) mm	1900 including that in the rear overhang area//As per approved ARAI/CIRT drawings
B	Gangway width (mm) from gates to longitudinal space between seats (access to	To be proposed by the Manufacturer// As per approved ARAI/CIRT drawings
	Gangway width (mm) in longitudinal space between seats	To be proposed by the Manufacturer but meet AIS052
	Gangway width (mm) in longitudinal space between seats (rear of rear edge of the rear door in rear engine bus)	To be proposed by the Manufacturer// As per approved ARAI/CIRT drawings
14.8	Driver's work place/cabin/ seat etc.	Height Adjustable, Forward and rear adjustable seat tilt and telescopic steering and as per AIS 052
	Driver work place/cabin provided with more privacy, safety and easy access to controls and inter alia equipped with:	State of art driver cockpit station.
A	Camera	2 Nos CCTV inside the bus and one no. at back side of bus with MDVR and provision of Sim Card/Dongle to transmit live feed to Command Control Center. Further it should have capability to store footage upto 15 days and memory should be extendable. CCTV System with an Integrated Emergency System IS – 16833:2018
B	Lights control	At Dashboard
C	Driver's seat	Four way cushioned type adjustable seat and as per AIS 023 & AIS 052
D	Three way seat adjustments facility and controls	Required

14.9	Corrosion prevention & painting as well as for internal and external structural members.	Corrosion prevention treatment/painting for structural members/components, assembled structure, panels etc as per AIS-052
B	Primer coating	Suitable specification and performance.
C	Painting	PU paint panel etch primer, PU primer surface, PU top coat BIS 13213:1991 or latest/international standard as applicable for exterior painting including interior wherever required shaded-IS5-1978 (or latest) class-A2 as per approval of DGST, Haryana.
15	Electricals	
15.1	Electrical Cables	BIS marked, copper conductors with fire retardant as per IS/ISO:6722:2006 as per appropriate class conductor x-sec varying as per circuit requirements, minimum cross-section 0.5 sq mm. quality marking may also be as per equivalent or better European, Japanese, US standards.
15.2	Conductor cross section	As above and suitable to carry rated current (Japanese Auto Standard JASO D0609-75 AV)
15.3	Safety requirements of electrical	As per AIS 052
A	Fuse	As per AIS 052 – fuse of rated current 1.5 times the load current of electrical equipment. Necessary in every electrical circuit
B	Isolation switches for electrical circuits where RMS	As per AIS 052. Isolation switch required for each such circuit.
C	Location of cables away from heat sources	As per AIS 052 – required for each such circuit
D	Type approval of circuit diagram as per standards related to electric equipments/wiring	As per AIS 052 required for all items and to be submitted by the bidder for mtc. Of buses.
E	Battery cut – off switch (isolator switch)	Heavy-duty type capable of caring & interrupting total circuit load. ¼ each near battery and driver.
15.4	Wind screen wiping & washing system etc:	Pantograph or Radial type electrically operated with two wiper arms & blades; wiper motor heavy-duty steel body with minimum 2-speed operation: wiping system as per CMVR/BIS 7827 Part-1, 2, 3 (Sec. 1&2)/latest. As per AIS 011
A	Wiper motor	Variable speed with time delay relay as per ISO11.20-24 cycles/sec, 24V*150W minimum
B	Wiper arm/blade	Pantograph type or Radial Type. AIS 019/AIS011
C	Wind screen washing system	Required
D	Capacity of washing system tank litres minimum	6 litres or as per OEM Standards
15.6	Lighting – internal & external and illumination	As per AIS 052
15.7	Illumination	

	requirements/performance of:	
A	Dash board tell tale lighting/control lighting	As per AIS 052 & bulbs tested for photometry as per IS 1606:1996
B	Cabin lighting and Passenger Area Lighting	LED Lights As per AIS 052
16	External Lights	Head Lights with LED bulbs or as per CMVR/AIS 052
17	Safety related items	
17.1	Fire extinguisher	Dry chemical powder type GSR-853(E) dated 19.11.2000 (or latest) and as per AIS 052, 2 kg each, ISI Marked.
17.2	First aid box	Number, as per provision of CMVR complete with first Aid items like Bandage, betadine tube, cotton etc.
17.3	Handrails Minimum length*diameter*height above	Colour contrasting and slip resistant of Stainless Steel tubing /M.S. Pipes with PVC sleeves.
17.4	Entrance/Exit Guard/Step well guard:	Required as above.
17.5	Emergency exit doors, warning devices etc:	As per AIS 052/CMVR
17.6	Front/Rear door, step well lights, door open sign	LED Bulbs As per AIS 052
17.7	Mirrors right/left side exterior/interior	Convex As per AIS 001 & 002. Interior with double curvature
17.8	Towing device front/rear	Heavy duty 1.2 times (minimum) the kerb weight of the bus within 30° gradient of the longitudinal axis of the bus. As per CMVR & IS 9760 – Ring Type
17.9	Warning triangle	As per AIS 052/CMVR
	Hammers	Hammers to be provided near to each window to break glass in case of fire
17.10	Fog lighting	Required
17.11	Bumpers – front and rear	Material to be proposed by the manufacturer/As per OEM standard
	Impact strength for bumpers	Meet requirement of Para 6.3.1 of AIS 052
18	Miscellaneous items/requirements	
18.1	Windows	
A	Type of window	Large tinted window panes As per AIS 052
B	Minimum height of window aperture (clear	As per AIS 052/As per CIRT/ICAT/CIRT approved drawings.
C	Minimum height of upper edge of window aperture from bus floor	As per AIS 052
D	Minimum width of windows (clear vision zone)	As per AIS 052

18.2	Cabin luggage carrier (CLC)	As per AIS 052
A	Positioning of Cabin Luggage Carrier	
I	Width from side wall max.(mm)	300
ii	Height from roof max. (mm)	300
B	Design & material	“ABS (acrylonitrile butadiene styrene) ASTM-BS368/ or better material” as per OEM/CMVR standards.
C	Additional provisions at the underside of CLC	
I	Seat reading light	To be Provided and should be of best quality
ii	Adjustable air conditioning knob	To be Provided and should be of best quality
D	Main Luggage Area Boot	To be proposed by the Manufacturer and required with good locking arrangement with hydraulic holding bars.
18.3	Passenger entertainment and other miscellaneous	
A	Magazine pouch	Required
B	Adjustable foot rest	Required
C	USB charger at each row of seat both sides (at 3 seats side and 2 seats side).	Self Closing type power ports one on each row on both sides (LH/RH) be provided
D	Water Bottle holder	Required
E	Sun Visor for driver	Required
19	Air conditioning system and Heating system-operational conditions/other requirements etc.	Spheros/Carrier/Trans Air (minimum 40KW) G.I. A.C. DUCTING FACILITY SHALL BE PROVIDED FOR EACH ROW OF PASSENGER Seats on both sides of the buys and also for driver’s cabin.
19.1	Specifications	a) For up to 42 o C of saloon temperature and b) for > 42 o of saloon temperature
19.2	Target results	a) 23+/-1oC (for all temperature ranges) b) Minimum average air velocity at air vent is 4.5 m/s ARAI/CIRT/ICAT Certificated required.
19.3	Air curtains on entry/exit gates to avoid loss/gain of heat and or cool air when doors are frequently opened for boarding/alighting of Passenger with minimum air flow of 1000+50 m3/hr at each gate	Required
19.4	Seat air flow adjustment system	Required
19.5	Air conditioning system in driver work place	As in saloon
20	Maximum noise levels inside the saloon test procedure as per AIS	As per ARAI/ICAT/CIRT approved drawings and relevant CMVR/Gol guidelines.

	020	
21	Life cycle requirements of bus (whichever is earlier)	10 Years or 12,00,000km
22	Driver Cabin	Not Required and as per approval of DGST, Haryana
23	Destination boards	3 Nos. LED DESTINATION BOARDS required. One at Front and one at back and one for saloon area (Inner) PLC controller should be provided for storage capacity of multiple. LED Destination Board System for Buses – IS 16490:2016
	Buses should be fitted with.....	Exterior Rear-view Mirrors to give large angle vision and to eliminate front end blind spots – It should be easily adjustable.
		Minimum 2 Nos. of roof hatches with sizes as per AIS:052 Winding Type full width sub-blind for front windshield glass should be provided.
24	Provision of Ramp for physically disabled persons.	Special arrangement of ramp be made in the buses for use of physically disabled persons as and when required, as per directions of Hon'ble Supreme Court of India.
25	AMC of HVAC buses for five years.	HVAC buses will be purchased with minimum eight years AMC so AMC rates be quoted in financial bid.

Brief technical specification for purchase of fully built up HVAC buses meeting BS-IV emission norms with AMC for minimum eight years.

S.No.	Nomenclature	Technical specifications proposed for purchase of fully built up HVAC buses.
1.	Gross Vehicle Weight	GVW upto 16500 kg
2.	Engine BHP	165 KW/210 HP minimum
3.	HVAC System	HVAC System capable of heating & cooling with Spheros/Denso/Thermoking make AC of interior whole compartment of bus, having minimum capacity of 40 KW.
4.	Engine Technology	Selected Catalytic Reduction (SCR)
5.	Model	2019 or Latest
6.	Emission norms	BS-IV or above.
7.	Fuel	HSD
8.	Seating capacity	Minimum 56 passenger seats in 3x2 seating configuration excluding driver & conductor
9.	Torque	750 Nm
10.	Clutch	Single plate dry friction type mechanical or assisted actuation.
11.	Transmission/Gear Box	Synchromesh Gear Box with minimum 6 forward gears and one reverse gear/Manual Transmission (MT)
12.	Tyre size	295/80R22.5-16PR Radial Tubeless Tyres including spare tyre.
13.	Steering	Power steering of ZF or Rane make- Right hand drive. Adjustable Steering column.
14.	Service Brake	Fail safe dual line full air brake system with anti-lock braking system (ABS) with Hydraulic retarder/Electro-magnetic retarder.
15.	Parking Brake	Graduated valve controlled hand operated parking brake acting on rear wheels.
16.	Shock absorbers	Ft. Axle to be fitted along with minimum two Nos. shock absorbers along with fitment of Anti-Roll Bar at front/rear axle as per Standard approved model.
17.	Spare tyre	One along with rim and mounted on long member of chassis.
18.	Fuel Tank capacity	Minimum 240 litres.
19.	Front Axle	Forged 1 beam, Reverse Elliot.
20.	Rear Axle	Fully floating single reduction spiral bevel Axle.
21.	Electrical system	24 Volt with 180 AH two Batteries, minimum 85A Alternator.
22.	Maximum speed	80 KMPH controlled electronically through ECU as per CMVR, 1989.
23.	Overall length of bus chassis having upto 60% ROH	Overall length 12 meters having any standard wheel base of the bus manufacturer.
24.	Type of suspension	Rubber ended Weveller type Leaf springs suspension at Front axle and Air suspension at Rear Axle.
i	Structure	Closed section tubular welded structure, galvatised by hot dip process.
ii	Driver work place	Fully adjustable driver seat.
iii	Doors	Electro-pneumatically operated doors.

iv	AC System	Main engine driven AC compressor.
v	ITS	LED Destination Boards PIS, 3 Cameras, Display Monitor for reverse camera.
vi	Safety features	Rollover complaint - 2 Fire Extinguisher (2 Kgs each), First Air Box.
vii	Ground Clearance	220mm minimum
viii	Driver Seat	Cushioned type four-way adjustable seat for driver.
ix	Type of suspension	Rubber ended Weveller type Leaf springs suspension at Front axle and Air suspension at Rear Axle.
x	Other fitments	Any other fitment that becomes mandatory to be fitted as per CMVR 1989 in fully built-up bus at the time of delivery of buses. (a) Wiper Motor with Arms & Blades to be fitted in each bus. (b) Battery cut off switch (heavy duty) (c) Fire safety and exhaust emission complying with IS:15061 (d) Grab Handles, Grab Rails (e) Seat assist handle integrated with seat. (f) Automotive Tracking Device (ATD) and Integrated Systems (IS - 6833 :2018) (g) Requirements for approval of vehicles of categories M2, M3, N and T as applicable w.r.t. Braking (AIS-150) (f) OBD-II

TERMS & CONDITIONS OF ANNUAL MAINTENANCE CONTRACT EIGHT YEARS (AMC) FOR PURCHASE OF FULLY BUILT UP HVAC BUSES

A. INTRODUCTION-

The bus supplier firm may provide Annual Maintenance Contract (AMC), directly or through their authorised service dealer for repair and maintenance to the HVAC buses to be purchased by State Transport, Haryana on the following terms and conditions described in the subsequent Para's-

B. PERIOD OF THE CONTRACT-

The AMC will commence from the date of operation of each bus of the fleet and be valid for the period of minimum Eight years unless terminated earlier by the either party under the provision of Article 'K' of this AMC. The period 8 (Eight) years for the completion of this AMC will start from the first day of the subsequent month from which month supplies are completed and terminate at the end of the quarter on completion of period of Eight years. (More clearly- if the supplies of all 'X' buses of the PO are completed by April-2019, the period starts from 01-05-2019 and eight years will be completed on 30-06-2027). The period of the contract will be extended for one year on the basis of mutually agreed terms & conditions on satisfactory completion of initial period of eight years.

C. APPLICATION & CONDITION OF USE-

The maintenance rates for this AMC are based on following understanding:-

Site / Geographical Area where bus is used	: State of Haryana & neighbouring States
Topography	: Mainly Plain/ partly Hilly
Road conditions	: Metalled road
Type of operation	: Long distance passenger transport
Type of load	: Passengers
Driver	: Only trained & experienced driver.
Service/Repair Locations.	: (a) Minimum five number of locations in conditions mentioned at Clause F. & G. of the terms & conditions of AMC
Haryana covering all depots as per	(b) They can also provide the service at their authorized service centre.

D. AMC-RATES / PRICE FOR THE AMC

The price for this AMC will be applicable as follows-

<i>Model</i>	<i>Price / month/ Bus(For the minimum 12000 km)</i>	<i>Price/Month/Bus for mileage exceeding 12001 KM and upto 24000 KM</i>
HVAC	Rs...(fixed & minimum)	Rs...(fixed & minimum)

NOTE-

1. *The minimum monthly charges would be payable. This minimum monthly charges would not be applicable if the bus remains off road more than 5-days in the month either for major maintenance or for accident repair. In that case payment will be made on actual km run during that month at the rate applicable for 12001 to 24000 km.*

2. The above charges are exclusive of prevailing GST/taxes. As and when there are any change in the rate of GST/taxes during the period of this AMC, the same shall be levied at actual.
3. For the comparison purpose, rates of the AMC will be calculated for 12000 Kms per month basis.

E. OBLIGATION OF THE DEPARTMENT-

1. The bus is to be used in the manner specified under the clause- 'C' above, carrying out driver checks/ daily checks.
2. Ensure that the bus is made available minimum for four hours, on every completion of schedule for general checking. To carry out preventive & major services, the bus may require even more than four hours, for which an advance information indicating tentative time for which the bus is to be spared will be given by the Service Provider.
3. Report any accident that the bus may be involved in;
4. Must ensure that the driver of the Bus has the physical and mental condition required to drive the bus with due care and attention.
5. Operate buses with the correct fuel – HSD meeting Bureau of Indian Standards (BIS).
6. Should allow the Service Provider to collect fuel samples from the bus as well from fuel storage tanks as and when the Service Provider considered necessary with prior approval of Head of Office. The First & Service Provider will jointly carry out the analysis through PSU oil companies, In case the quality of fuel is not meeting the standards, then the Service Provider shall have the right to exclude the fuel-related services and items from this contract.
7. Do not allow anyone not authorised by the Service Provider to service or repair the buses.

F. SITE SUPPORT BY THE DEPARTMENT-

1. The Department will provide adequate workshop space (hereinafter called-site support) to the Service Provider to take care the maintenance activities to the Fleet.
2. Following facilities at NO extra cost are to be provided by the Department to the Service Provider to facilitate proper and timely maintenance of the Fleet-
 - Three phase power connection / supply.
 - Water connection with sufficient water.
 - High pressure washing equipment or automatic washing machine with washing platform.
 - Welding equipment both gas and electrical.
 - Equipment- drilling and grinding.
 - Battery charger.
 - Pneumatic greasing equipment.
 - Oil dispenser pump & measuring cane for engine oil, gearbox oil and rear axle oil.
 - Pneumatic tool set and provision for connecting them.
 - A 15 meter long inspection / greasing pit with sufficient lighting at night as well.
 - Two covered working bays of size 18m x 6m of concreted area for every 20 buses with sufficient lighting at night

- Lifting equipment, like- chain pulley, jib crane to facilitate movement of heavy aggregates / components from the bus.
- Storage room for chassis parts, oil & lubricants with rack.
- Office room (15'x15' minimum) for the staff of the Service Provider and to install computer, modem and printer etc.
- Provide suitable vehicle or a bus or free pass to travel in the Department's buses as and when required for the movement of the Second Part's service personnel in case service complaints are to be attended elsewhere from the site office, at no extra cost.
- Provide communication facilities like telephone and fax.

Services shall be provided by the Service Provider at the site at understanding that minimum 10 buses will operate from that site.

G. OBLIGATION OF THE SERVICE PROVIDER AT SITE-

1. Carry out running repairs, emergency repairs, minor & major repairs, preventive maintenance and all other type of repair and maintenance, which the Service Provider considered it appropriate to maintain the Fleet of the Department.
2. Whenever, the Service Provider considered it necessary that repair is not practically possible to carry out at the site, the bus can be taken to the Service Provider dealer site / workshop. The decision to take the bus to dealer's workshop will be at the sole discretion of the Service Provider. In such case the delivery to / collection of the bus from the dealer's service location, including towing (if necessary), salvage, freight or other transportation charges, if any, including of providing of the driver, are to be borne by the Department.
3. The Service Provider will deploy sufficient number of technicians round the clock. The Service Provider will also deploy the office staff with a trained Manager to control these staff. The Manager should have necessary communication skill with the officials and staff of the Department.
4. Establish routine and process for all site activities related to the maintenance of the Fleet.
5. On the job Training of the technical team of the Department to carry out activities like daily checks, washing, greasing, general inspection, body bolts tightening and even to preventive maintenance
6. The Service Provider will stock required spare parts at site for fulfilling its obligations specified under various clauses of the AMC.
7. The Service Provider will make available all necessary hand tools including special tools required for fulfilling its obligations under various clauses of the AMC.

H. EXCLUDED SERVICES-

The following items/parts/components and services are specifically excluded from the coverage of this AMC-

1. The costs of repairs resulting from all causes beyond the control of the Service Provider, such as (including but not limited to) collision damage, traffic accidents, fire and lightning strikes & other force majeure conditions.
2. The costs of repairs or services to
3. Tyre sets.
4. Batteries.
5. Repair work on the chassis as a result of defects in the super structure or any other work arising from failure or malfunction of any component or equipment which is not subject to this AMC, will be liability of the company/ manufacturer.
6. Supply of fuel.
7. Travelling expenses, boarding and staying charges of the Department staff or their representative.

I. PAYMENTS-

1. The Department agrees to pay the AMC charges as per the rates mentioned in the clause ‘ D’ of this agreement to the Service Provider on the monthly basis. The payment for part of the month will be on the basis of actual operated km.
2. The Service Provider directly or by their service provider will submit the invoice / bill by the seventh of the subsequent month, indicating basic claim as per clause ‘D’ of this agreement with applicable taxes and government levies as extra, if any on completion of the month.
3. The Department is supposed to make the payment within next fifteen days positively. In case of delay in arranging the payment (without any justifying ground) within the twenty days from the date of submission of the bill, the Department will pay interest at a rate of 1% per month. In case of any objection on the claim submitted by the Service Provider, the same should be communicated in writing to the Service Provider within seven days from the date of submission of the bill.
4. If the payment is finally not released without any justified reason for the period of 90 days from the date of submission of the bill, the Service Provider will be free to stop the services to the Fleet of the Department.

J. PENALTY PROVISION-

1. As per terms of this AMC, the Service Provider has taken the responsibility for timely / regular and efficient maintenance of the Fleet. The maintenance also includes breakdown repairs. The Service Provider shall maintain the Fleet in such a way that the buses should be made available for operation for the days indicated in the below table

AMC Year	Minimum days *(availability of the bus in a year)
1 st & 2 nd year	345 days
3 rd year	344 days
4 th year	343 days
5 th year	342 days

6 th year	341days
7 th year	340 days
8 th year	339 days

(*as at Sr.No.3 below)

2. In the event of non-availability of the bus for operation for the prescribed days in a year as tabulated above, due to repair & maintenance, a penalty @ Rs.5,000/- (Five thousand) per bus for each lesser day will be levied to the Service Provider.
3. Availability days on annual basis for calculating the penalty as above will be computed on the Fleet. The days lost due to accident damage / repair, strike, public unrest etc. (force majeure provisions) are to be excluded while calculating the penalty.
4. For the effective control over the breakdown of the bus on route, following provisions will be applicable-
 - The Service Provider undertakes to maintain a 24 hours efficient help line to ensure of attending the break-down immediately.
 - If the break-down is due to the mechanical failure for which the Service Provider is responsible for poor maintenance or poor quality of spare parts or aggregates, the penalty @ Rs. 5000/- per break-down will be levied, however the penalty will not be applicable if break-down is due to driver's negligence or due to accident or due to any other reason for which the Service Provider is not responsible.
 - In case of break-down on route, the payment of AMC for the operated km (km covered before the break-down) will only be released i.e. no payment will be made for the curtailed km.
 - If the Service Provider is responsible for break-down on route as prescribed above, the bus is to be attended by the Service Provider at the break-down spot and no extra payment will be released for attending the bus even for toying, etc. Further, days consumed in attending the bus and putting the bus on road will also be considered in days permitted for maintenance.
 - However, if the Service Provider is not responsible for the cause of break-down, cost to attend the break-down and corresponding days will be in account of the Department.

K. TERMINATION OF THE AMC-

Only the Department can terminate this AMC, in the event of the breach of any of the major terms and conditions mentioned in the AMC.

L. TRANSFER-

The Department and Service Provider shall not transfer all or any part of its rights and obligations arising out of the AMC to any third party. In very exceptional circumstances either party can transfer on taking written consent of other party after due approval of DGST.

M. INDEMNITY; LIMITATION OF LIABILITY-

1. The Service Provider shall not be liable for any damage or other loss attributable to causes beyond the Service Provider reasonable control, including acts of god, other events of force majeure, fire, theft or other acts of third parties or for any consequential or indirect damage or loss. The provisions of the AMC constitute the Department sole remedy hereunder:

N. SECURITY DEPOSIT-

The security deposit of an amount equal to 5% of this contract value shall have to be submitted by the Service Provider in the form of irrevocable Bank Guarantee of any scheduled bank in favour of the Department towards satisfactory completion of this AMC. The validity period of the BG shall be for the period 8 years, extendable further if the period of this AMC is extended. The security deposit is liable to be forfeited in full, if the Service Provider fails to complete the contract satisfactory as per terms and conditions of this AMC.

O. OTHER IMPORTANT TERMS-

1. The Service Provider decision will be final on technical grounds whether the services, repairs, or replacement of components qualify under the AMC in consultation with concerned GM.
2. All old components assemblies, parts, lubricants etc., removed / replaced from the bus & replaced with a new part under this AMC will be the properties of the Department and no other party shall have the right to claim the ownership for those old components/parts.
3. Amendments and other agreements concerning or modifying the AMC must be in writing.
4. If any provision of the AMC is held by a court to be invalid or unenforceable, such provision will be deemed to be deleted or modified to comply, and all remaining provisions will remain in force.
5. Any notice or communication in respect of the AMC may be hand delivered or sent by recognised courier or facsimile or e -mail at the addresses given in the AMC and the parties shall deem delivery to be valid on the next business day after the date of receipt
6. For removal of any difficulty in implementation of this AMC the Director General of the Department , shall be authorised to intervene and take necessary steps and taking into confidence of both the parties, can make suitable modifications without material altering the terms and conditions of this AMC. His decision shall be binding to both the parties.
7. All disputes arising out of or in relation to the AMC or any breach hereof shall be first referred to the Sole Arbitrator i.e. the Additional Chief Secretary to Govt., Haryana, Transport Department, Chandigarh. If any legal proceeding arises between the parties thereafter the same shall have to be instituted in the Courts situated in Chandigarh only. No other court shall have jurisdiction to entertain a dispute arising out of the AMC. There will be no objection to such appointment that the Arbitrator so appointed is a Govt. servant and that he has to deal with the matter to which this AMC relates in the course of duties as such Govt. servant and might have expressed views on all or any of the matters in dispute or differences. The award of such Arbitrator shall be final and binding on both the parties to this AMC. The Arbitrator so appointed shall have power to extend the time of making of award on request from either of the parties or otherwise in case the dispute is not resolved by arbitration the matter shall be referred to court at Chandigarh in accordance with clause as below.
8. The AMC will be governed by and construed in accordance with the laws of India and will be subject to exclusive jurisdiction of courts at Chandigarh only.

9. Neither party shall set off any right owing hereunder against any liability owed hereunder or under any other arrangement.
10. Subject to the provisions hereof the AMC is not intended and shall not be construed to confer any person other than the parties hereto any rights and/or remedies herein.

SCOPE OF THE A.M.C. - TYPE- COMPREHENSIVE

1. The service includes preventive maintenance services (Basic Services & Annual Services) as per the schedule of the Service Provider.
2. All materials / spares used in the repair and maintenance of the Fleet should be genuine manufacturer's spares or of OE suppliers.
3. Oil and coolant topping up between scheduled services provided, such top ups are done either at site or the authorised workshop of the Service Provider.
4. Bulbs, Fuses and Relays are replaced as and when required
5. Greasing of bus at every basic and annual service (Limited to under chassis). In case of site support this activity is to be taken care-of by the staff deployed by the Department. Grease will be provided by the Service Provider.
6. Repairs to the bus & all required parts & material arising out of the normal usage of the bus
7. The services excluded under the AMC are listed under the clause 'H'. If the excluded repairs are to be carried out the same would be charged additional to the Department.
8. Parts and labour for repairs related to chassis, driveline components, air conditioning and heating system and bus body as given below are covered

HVAC SYSTEM

Air-conditioned and Heating system

Engine repairs

Engine block, cylinder head
Pistons & cylinder liners and seals
Flywheel and flywheel housing
Valve mechanism and valve cover
Timing gears, cooling fan, drive belts,
Camshaft, crankshaft, connecting rods and bearings
Oil pump and oil cooler
Fuel injection pump and injectors
Inlet/exhaust manifolds
Exhaust brake
Turbocharger
Radiator, coolant pump and hoses
Intercooler, hoses, starter element
Exhaust pipes and silencers

Transmission repairs

Gearbox housing, gearbox brackets
All Transmission components
Retarder (Built in retarder)
Propeller shaft

Rear axle repairs

Rear axle casing and drive shafts
Differential housing, differential gears,

Electrical repairs

Electrical central, cable harnesses
Alternator, starter motor
ECU relays
Dashboard instruments
Electrical junction box

Brake repairs

Air compressor, air dryer, calipers
Brake pads and disc, valves, pipes, and sensors

Wheels, Suspension and Steering repairs

Steering gear, servo pump, steering knuckles, drag link
Anti-rolls bars, shock absorbers
Air bellows
Pneumatic valves and sensors
Bushings, brackets, ball joints
Hubs, wheel bearings, wheel bolts

Bus body

Pneumatic valves
Windscreen wiper motor
Seat mechanism
Body brackets
Rear engine flap door
Door mechanism
Wiper blades, wiper arms, diesel tank hose, gear lever boot, flap door rubber, general fasteners, driver door lock, driver door side lock, passenger door lock, budget lock, door pneumatic valve, driver door link rod, driver door link rod end, door pneumatic main unit, flap door center lock, flap door side lock, gas springs, seat reclining mechanism, door pneumatic cylinder and door pneumatic switch.
Door / window glass and rear view mirror, front wind screen (if physically damaged due to hitting) tools supplied with the bus unless it's a manufacturing defect
Upholstery, Door trims, Floor mats, carpets, Roof lining, sun visor, blind screen
Battery cover, mud flaps, mud guard, seats except seat adjustment mechanism.
All sheet metal and body components including but not limited to cracks, rusting etc.
The repair costs of all sort of paint damages such as (including but not limited to) fading, peeling, chipping, corrosion, erosion, rusting etc.
All accessories like (including but not limited to) LED Destination Boards.

TECHNICAL BID

TENDER FOR SUPPLY OF NEW FULLY BUILT UP DIESEL ENGINE HVAC BUSES MEETING BS-IV EMISSION NORMS WITH MINIMUM EIGHT YEARS AMC.

1	Name of the firm with full Address including fax & e-mail ID.	
2.	Name of Contact Person with Mobile No. & e-mail ID	
3	Nomenclature of model of HVAC bus offered	
4	Bank details required for releasing payment through RTGS	
5	Are you a HVAC bus Manufacturer having offered HVAC buses duly type approved by any Type Approving Agency of Govt. of India?	
6	Have you submitted the Financial Bid as per Annexure ‘B’?	
7.	Confirm the firmness of the rates during the delivery period of ordered HVAC buses from the date of decision of tender.	
8	What is your capacity to supply per month?	

Dated

Signature of Authorized Person of firm with stamp

Annexure 'B'

FINANCIAL BID

TENDER FOR SUPPLY OF NEW FULLY BUILT UP DIESEL ENGINE HVAC BUSES MEETING BS-IV EMISSION NORMS WITH AMC FOR MINIMUM EIGHT YEARS.

Sr. No.	Nomenclature	Specifications	Indicated Qty. of HVAC buses	Basic Rate (in Rs. per bus)	Volume Disc. (in Rs. per bus)	GST (in Rs. per bus)	Cash Disc. (in Rs. per bus)	Net landed rate on FOR HREC Gurugram door delivery basis (in Rs. per bus)
1	150 Nos. fully built-up standard HVAC diesel engine buses meeting BS-IV emission norms with AMC for minimum eight years.	Annexed as Annexure 'S'	150					
2	Rate in Rs. of Annual Maintenance Contract (Excluding GST)	Year	Price / month/ Bus for the minimum 12000 kms (For the comparison purpose, rates of the AMC will be calculated for 12000 Kms per month basis).			Price/Month/Bus for mileage exceeding 12001 KM and upto 24000 KM		
		1 st Year						
		2 nd year						
		3 rd year						
		4 th year						
		5 th year						
		6 th year						
		7 th year						
		8 th year						

Total = Rs. _____ (Rate quoted at sr. no.1 + average cost of AMC for eight years per bus at Sr.No.2)

Signature of authorized person of the firm with rubber seal