

Directorate of Flying Training
(Cabinet Secretariat Department)
GOVERNMENT OF BIHAR

Invites
Global Tender
For
Purchase of Flight Simulator

Date: _____

Place: Patna, Bihar



**Government of Bihar
Cabinet Secretariat Department
(Directorate of Flying Training)
Patna Airport, Patna – 800014.**

Letter. No: -उ०प्र०नि० (विविध) ०५-०१/२०२५ ३२५

Patna, Dated - 11.07.2025

GLOBAL TENDER

Scaled tenders under TWO BID SYSTEM are invited by the Govt. of Bihar from Original Equipment Manufacturers (OEM) or their authorized distributors for purchase of 01 (One) new flight training device (FTD FAA level 5 minimum or DGCA level 6 or 7 FTD or equivalent) compatible with the Single Engine Aircraft, for training purposes by the Government of Bihar as per the following terms and conditions: -

1. Bid submission starts from 14.07.2025. Tender Schedule has been provided in Sl. No 12 of this Notice.
2. The tender must reach to Director, Directorate of Flying Training, Patna Airport, Patna on or before 04.08.2025 at 05:00 PM. by registered post/speed post/courier or by hand only.
3. Bidders shall submit their offer in **two separate sealed envelopes** one as Technical Bid and other as Financial Bid. The type of Bid must be written on each envelope (Technical/ Financial Bid). These two bids shall be kept in another big envelope which should be sealed and subscribed, "**Tender for Supply and Installation of flight training device (FTD)**".
4. Along with physical submission of bids, bidders must also submit the 'Technical Bid' online through e-mail, with the subject line as "**Tender for Supply and Installation of flight training device (FTD)**", on the Email-ID: cadbihar@bihar.gov.in on or before 04.08.2025 at 03:00 PM. Please number the documents with serial number on each and every page and do mention the total number of pages of bidding document.
5. **Technical Bid should contain the following:**
 - A. An undertaking in the form of affidavit on 100 Rupees stamp paper that the Company has not been blacklisted by any Public Sector undertaking/ Government Organization/ DGCA.
 - B. An EMD of Rs 50,000.00 (Rs fifty thousand only) in the form of Bank Draft issued by a Scheduled/ Nationalized Bank in India, drawn in favour of Bihar Flying Inst. C.A Department, Cabinet Secretariat Department, Patna.
 - C. Work experience certificate of at least 05 years in the maintenance and operation of Flight Simulator.
 - D. Having annual turnover of Rs. 15 crore or more during the last financial year in the books of account. A Specific certificate about the Turnover, duly signed by the same chartered Accountant to be attached.
 - E. Lead time for supply & installation should be mentioned.
 - F. Should cover all the technical requirements placed at Annexure-I.
 - G. It should Contain Annual Maintenance Contract (AMC) Term & Conditions.
 - H. Copy of tender acceptance letter on Annexure II.
 - I. Declaration for local content, Country of Origin of goods on Annexure III.
 - J. Self-attested copies of GST registration and PAN details.
 - K. Income Tax return certificate for Preceding three Assessment years of the bidder.
6. **Financial Bid should contain the following:**
 - A. Rate should be quoted in Indian Rupees (₹). It should contain only one rate for particular device, firm and fixed including all hardware, software subscription, transportation, training, installation, taxes and 5-year AMC etc. charges. Bidder should mention all the cost/charges/taxes separately in the format as below-

Sl.	Particulars	Cost/Charges		
		Device 1	Device 2, If any	Device 3, If any
1	Flight Training Device(FTD)			
2	Transportation			
3	AMC			
3	Custom/Import Duty			
4	Other (Specify and add extra rows)			

- B. The Financial Bid shall clearly specify delivery schedule and payment terms. Payment terms should be in compliance with Bihar Financial Rule.
- C. The quoted rate shall be for door delivery to the **Directorate of Aviation, State Hangar, Patna, Bihar**, inclusive of all taxes, with no additional charges applicable or payable.
- D. Financial bid shall specify the validity of quoted rates for a period of 120 days from the last date fixed for submission of tenders. Financial bid will be opened only of those tenderers whose technical bids are found in order.
- E. Financial bid shall specify the Warranty/ Guarantee details.
- F. **The bids will be evaluated on the basis of the lowest quoted rate (L1) among those that meet the maximum eligibility and technical criteria. In determining the L1, due weightage will be given to Flight Training Devices (FTDs) incorporating the most advanced software and hardware technologies. Accordingly, bidders are advised to clearly specify any additional features of the offered FTD that demonstrate technological superiority.**
7. State Government (Directorate of Aviation, Cabinet Secretariat Department, Govt. Of Bihar) will be responsible for unloading, custom clearance and custom duty and Company shall be liable for export formalities, Principal transport, local transport, insurance etc.
8. Security money of Unsuccessful bidders will be refunded immediately after final selection.
9. The Technical bid of the tender will be opened tentatively on **06.08.2025 at 3.30 PM** before the committee headed by Additional Chief Secretary, Cabinet Secretariat Department, Bihar, Patna or by an officer so authorized by him before bidders/ authorized representatives.
10. The date & time of opening of the Financial bid of the tender (only for Technically responsive bids) will be announced later and can be seen on departmental website <http://state.bihar.gov.in/csd>
11. **Correction of Errors:** "Financial Bids" determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:
- where there is a discrepancy between the rates in figures and in words, the rate in words will govern; and
 - where there is a discrepancy between the unit rate and the line-item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

The amount stated in the "Financial Bid" will be corrected by the Employer in accordance with the above procedure and the bid amount adjusted with the concurrence of the Bidder in the following manner:


- a) If the Bid price increases as a result of these corrections, the amount as stated in the bid will be the 'bid price' and the increase will be treated as rebate.
- b) If the bid price decreases as a result of the corrections, the decreased amount will be treated as the 'bid price.'

Such adjusted bid price shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount the Bid will be rejected, and the Earnest money may be forfeited.

12. Tender Schedule: -

Sl. No	Activity	Date & Time
1	Bid Submission Start Date	From 14.07.2025
2	Technical Bid Submission through E-mail (cadbihaar@bihar.gov.in)	Up to 04.08.2025 at 03:00 PM
3	Physical Bid Submission (both Technical & Financial Bid) Last Date	Up to 04.08.2025 at 05:00 PM
4	Technical Bid Opening Date (Tentative)	06.08.2025 at 3.30 PM
5	Financial Bid Opening Date	To be announced later
6	Tender Bid Validity	120 Days

13. The successful bidder shall furnish Performance Guarantee after getting Letter of Intent, in the form of Bank Draft or Bank Guarantee issued from Scheduled/ Nationalized Bank in India for a sum equivalent to 5% of the total tender value for a period of 1 year in the favour of Bihar Flying Inst. C.A Department, Cabinet Secretariat Department, Patna.
14. The successful bidder shall be required to enter into an agreement in the format provided at Annexure-IV, or on mutually agreed terms and conditions, subject to compliance with the Bihar Financial Rules. In case of non-agreement by any of the party, the next bidder shall be asked to provide their consent. Any violation of agreement will be deemed to be a breach of contract and accordingly legal action will be taken.
15. Any queries and questions regarding the tender should be addressed to Director, Directorate of Flying Training Patna Airport, Patna (either through letter or through e-mail: - bfibihar@bihar.gov.in or contact no. 0612-2225659, 2224423) up to 7 days before the last date fixed for submission of tenders (either through letter or through e-mail: - cadbihaar@bihar.gov.in). For any technical query, feel free to contact Chief Flight Instructor, Directorate of Flying Training, Govt. of Bihar (Mobile-9835042222) or on e-mail i.e. capt.paraggoyal@gmail.com.
16. In case of any dispute, the place of settlement will be within the Judicature of High Court at Patna.
17. The Additional Chief Secretary, Cabinet Secretariat Department, Bihar reserves the right to reject/ cancel any/ all tenders without assigning any reason thereof.
18. The detailed information of published Tender notice can also be downloaded from the website <http://state.bihar.gov.in/csd>.


Director,

Directorate of Flying Training



Technical Requirements

Flight Simulator Minima:(but not limited to)

The interested applicant should offer the simulator which must be meeting with following requirements: -

1. The flight training device (FTD) must be having full and actual cockpit in shell type configuration with fixed base for below mentioned aircraft model:

Single Engine Aircraft
Cessna 172 R

2. **Visual System:**

- High-definition visual display system with at least unrestricted 180-degree x 50-Degree field of view with minimum 30 frame per second motion display.
- Night, dusk and dawn visual capabilities, along with weather conditions, like Cross wind, Clouds, Visibility simulations.
- Real view visual system with animation and scenery database/ airport database.

3. **Instrumentation and Avionics:**

- True scale and fully functional replicas of the aircraft instruments and avionics as represented in glass cockpit of Cessna 172 R Aircraft.
- Garmin G1000 NXi or equivalent avionics suite for Cessna 172 (preferably original G1000NXi with annual update subscription).
- Frequent NAV AID update based on AIRAC (Aeronautical Information Regulation and Control) Cycle.
- Fully Functional auto pilot with control mounted trim, AP Discard CWS (Control Wheel Steering) system.
- Visual and audio indication for Annunciation.
- Capability to simulate partial panel exercises.

4. **Hardware and Software:**

- High-fidelity controls with real feel control loading yoke, rudder and feedback systems.
- Reliable and user-friendly software with regular updates having internet connectivity and online software resolution characteristics by OEM.
- Vendors should mention the type of operating system used in flight training device (FTD).
- Dual yoke and rudder pedal for pilot and co-pilot (MCC environment) with separate instructor station.
- Realistic sound system for accurate cockpit and environmental sounds.

5. **Upgradability:** Future-proof design and software allowing for upgrades and expansions as technology advances or training needs changes.

6. **Instructor station:** Separate Instructor station with minimum 21" screen for playback and displaying PFD, MFD, lateral and vertical trajectories, 3D aircraft, flight controls and cockpit video on dedicated screen.

7. **Data Recording and Analysis:** Capability to record and analyze flight sessions with graphical and pictorial 6 view angle representation for debriefing and assessment purposes.

8. **Environmental Controls:** Efficient cooling and power systems to support prolonged use without performance degradation.

9. **Room Size:** Preferably should fit in a room of L x B x H = 260" x 254" x 100" with a door entry size of 42" x 78". Room and Door size is Flexible if required, but the vendor should mention the room and entry door size requirement.


10. **Power back up** – Capability to run in case of electrical failure for a minimum period of minimum 10 mins.

11. Keyboard and mouse, pause session switch, trainee dedicated sim log entry facility etc.

12. Vendor should mention the lead time till complete installation from the date of final purchase order.

Terms & Conditions: -

1. **Maintenance and Repairing Base:** The flight simulator company must have its own or an authorized maintenance service agreement with any agency in India to ensure minimal downtime for maintenance and repairs.
2. **Warranty and Maintenance:** The bidder must provide a warranty of minimum **TWO(02)** years and cost should include AMC for 5 years from the date of installation including the supply of free spare parts (if required), for a period of two years from the date of installation.
3. The vendor should mention the current AMC charges per annum and the details of company / individual who shall be carrying out the AMC and the terms and conditions of AMC.
4. The vendor should mention the maximum expected downtime in case of any trouble / expected days for resolution in case of any hardware and software issue.
5. **Training for Instructors:** The bidder must provide operation training for two of our Instructors / Pilots at no additional cost.
6. **Training for Engineers and Technicians:** For day-to-day maintenance, the bidder must train our Engineers and Technicians at no additional cost.
7. **Installation:** Successful Installation charges should be borne by the bidder.
8. **Approval:** The simulator should comply with DGCA CAR Section 7, Series D, Part VI. A statement to be submitted for its compliance.
9. The bidder should mention the maintenance cost per hour assuming a consumption of 400 hours per year (if any, other than electricity charges).
10. The bidder may mention the policy for upgrade or exchange or buy back in case it is required for upgradation to 3-axis or 6-axis (if applicable).
11. The bidder shall provide explanatory details with attachments as given in **Annexure-I**.
12. The bidder shall provide a representation in form of color image from different angles to evaluate the simulator suitability.
13. The bidder should mention their customer in India using their simulator and a video representation maybe attached (in the form of web-link)


Director,

Directorate of Flying Training

Annexure-I

Sl. No.	Specification	Compliance status (Y/N)	Details of compliance and appendix (if any)
1	FAA level 5 or DGCA FTD level 6 or 7 or equivalent status and details		
2	C172 Glass cockpit		
3	Fixed base shell type actual cockpit representation of Cessna 172 R		
4	Minimum unrestricted Field of view 180 X 50 degree		
5	Motion display minimum 30 frame per second		
6	Simulation of Night, dusk, dawn weather condition like visibility, winds, clouds		
7	Real view visual and animation scenery and airport data base		
8	Auto pilot capabilities		
9	Annunciation functioning		
10	Partial panel simulation capabilities		
11	High fidelity, real feel controls and feedback system		
12	Online resolution, update and troubleshooting capability		
13	Type of operating system used		
14	MCC environment capability		
15	Separate Instructor station and its details		
16	Realistic sound system capability		
17	Upgrade and expansion capability details		
18	Data recording capability details		
19	Cooling system and temperature requirement to be maintained during operation		
20	Room and entry door size requirement		
21	Power back up duration and its upgradation facility		
22	Key board and mouse for instructor station		
23	Lead time requirement from the date of confirm purchase order		
24	Details of maintenance agency / personnel in India to cater for any service requirement		
25	Details of warranty period		
26	Annual Maintenance Contract (AMC) Term & Conditions.		
27	Quotation includes 5 years AMC charges		
28	Current AMC charges		
29	Expected downtime for resolution in case of any hardware or software issue		
30	Training facility details for two instructors / pilots		

31	Training facility details for two engineer and technician		
32	Expected maintenance cost per annum (400 hours operation per year other than electricity charges, if any)		
33	Upgrade / exchange / buy back policy (if applicable)		
34	Additional specification (for due weightage in consideration)		

TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

To,

The Director
Directorate of Flying Training,
JPNI Airport, Patna- 800014

Sub:Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I/We have downloaded/obtained the tender document(s) for the above mentioned 'Tender/Work' from the website(s)namely:

_____ as per your advertisement, given in the above-mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby bythe terms / conditions / clauses contained therein.

3. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.

4. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.

5. I/We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

Declaration for Local Content

(To be given on Company Letter Head - For tender value below Rs.10 Crores)

Date:

To,

The Director
Directorate of Flying Training,
JPNI Airport, Patna- 800014

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender /Work: - _____

1. Country of Origin of Goods being offered: _____
2. Whereby declare that items offered has _____ %local content.
3. Details of location(s) at which the local value addition is made: _____

“Local Content” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*“*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.”*

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

SPECIMEN
of
DEED OF WET LEASE AGREEMENT

SUPPLY AND INSTALLATION OF FLIGHT TRAINING DEVICES

NO.

Dated, Patna, the _____, 2025.

THIS DEED OF AGREEMENT is hereby executed on this _____ day of _____ 2025 by and in between Government of Bihar represented by the **Director, Directorate of Flying Training, Govt. of Bihar** (hereinafter referred to as the "**Purchaser**" which expression shall include its successors and assigns) of the **FIRST PART**

AND

M/S

....., represented by
....., (hereinafter referred to as the "**Supplier**" which expression unless repugnant to the context shall include its successors and assigns) of the **SECOND PART**.

WHEREAS, the Purchaser issued a global tender (vide Tender No.) for the supply, installation and maintenance of one (1) new Flight Training Device (FTD) compatible with the Cessna 172 R Single Engine Aircraft, meeting FAA Level 5 or DGCA Level 6 or 7 standards or equivalent;

WHEREAS, the Supplier submitted its bid in response to the tender and was selected as the successful bidder based on the Lowest Rate Basis (L1) meeting the maximum criteria;

NOW, THEREFORE, the Parties agree as follows:

1. Scope of Supply

The Supplier shall supply, install, and commission one (1) Flight Training Device (FTD) meeting the specifications outlined in Annexure-I of the tender document, including but not limited to:

- Full and actual cockpit in shell-type configuration for Cessna 172 R with fixed base.
- High-definition visual display system with a minimum 180° x 50° field of view, 30 fps motion display, and night/dusk/dawn weather simulation capabilities.
- True-scale, fully functional Garmin G1000 NXi or equivalent avionics suite with annual updates based on AIRAC cycle.
- High-fidelity controls, dual yoke, and rudder pedals for MCC environment.
- Separate instructor station with a minimum 21" screen for playback and analysis.
- Data recording and analysis capabilities for debriefing.
- Realistic sound system, efficient cooling, and power backup for at least 10 minutes.
- Compliance with DGCA CAR Section 7, Series D, Part VI.

2. Delivery and Installation

- 2.1. The Supplier shall deliver and install the FTD at the Purchaser's designated location within one months from the date of issuance of the Purchase Order.
- 2.2. The FTD shall fit within a room of dimensions 260" x 254" x 100" with a door entry size of 42" x 78", or as specified by the Supplier in the bid.
- 2.3. All costs related to delivery, installation, custom clearance, insurance and taxes shall be borne by the Supplier.

3. Warranty and Maintenance

- 3.1. The Supplier shall provide a warranty for the FTD for a minimum of two (2) years from the date of successful installation.
- 3.2. The Supplier shall provide an Annual Maintenance Contract (AMC) for five (5) years from the date of installation, including free spare parts for the first two years.
- 3.3. The Supplier shall maintain a maintenance and repair base in India, either directly or through an authorized agency, to ensure minimal downtime.
- 3.4. The maximum expected downtime for resolution of hardware or software issues shall not exceed days.
- 3.5. The Supplier shall provide current AMC charges per annum as specified in the Financial Bid.
- 3.6. The Supplier shall provide maintenance cost per hour for 400 hours of annual operation, excluding electricity charges, as specified.

4. Training

- 4.1. The Supplier shall provide operational training for two (2) instructors/pilots at no additional cost.
- 4.2. The Supplier shall provide training for two (2) engineers/technicians for day-to-day maintenance at no additional cost.
- 4.3. Training shall be conducted at the Purchaser's premises or a mutually agreed location.

5. Performance Guarantee

- 5.1. The Supplier shall furnish a Performance Guarantee equivalent to 5% of the total tender value in the form of a Bank Draft or Bank Guarantee issued by a Nationalized or Scheduled Bank in India, in favor of Bihar Flying Inst. C.A. Department, Cabinet Secretariat Department, Patna, valid for one (1) year from the date of issuance of the Letter of Intent.

6. Payment Terms

- 6.1. Payment shall be made as per the delivery schedule and payment terms specified in the Supplier's Financial Bid. Payment terms should be in compliance with Bihar Financial Rule.
- 6.2. The total contract value, inclusive of all hardware, software subscriptions, transportation, training, custom clearance, import duties, installation, taxes and 5-year AMC, is
- 6.3. Payments shall be subject to satisfactory delivery, installation, and commissioning of the FTD, as certified by the Purchaser.

7. Compliance and Approvals

- 7.1. The Supplier warrants that the FTD complies with DGCA CAR Section 7, Series D, Part VI, and shall submit a compliance statement.
- 7.2. The Supplier shall provide a self-certificate confirming that it has not been blacklisted by any Public Sector Undertaking, Government Organization, or DGCA.

8. Upgradability and Buy-Back

- 8.1. The Supplier shall ensure the FTD is future-proof with software and hardware capable of upgrades as technology advances.
- 8.2. The Supplier's policy for upgrade, exchange, or buy-back for potential conversion to a 3-axis or 6-axis system is as specified in the bid.

9. Intellectual Property and Confidentiality

- 9.1. The Supplier warrants that the FTD and associated software do not infringe any third-party intellectual property rights.
- 9.2. Both Parties shall maintain confidentiality of all proprietary information exchanged during the execution of this Agreement.

10. Termination

- 10.1. The Purchaser may terminate this Agreement in case of a material breach by the Supplier, including failure to deliver, install, or maintain the FTD as per the agreed terms.
- 10.2. In case of termination, the Performance Guarantee shall be forfeited, and the Supplier shall refund any payments made for undelivered services or goods.

11. Dispute Resolution

- 11.1. Any disputes arising under this Agreement shall be resolved amicably through mutual consultation.
- 11.2. If unresolved, disputes shall be subject to the jurisdiction of the Patna High Court, Patna.

12. Force Majeure

- 12.1. Neither Party shall be liable for delays or failure to perform due to unforeseen events beyond their control, including natural disasters, wars, or government regulations.

13. Miscellaneous

- 13.1. This Agreement constitutes the entire understanding between the Parties and supersedes all prior agreements.
- 13.2. Any amendments to this Agreement shall be made in writing and signed by both Parties.
- 13.3. The Supplier shall comply with all applicable laws, including those related to custom clearance and import duties.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the date first written above.

For and on behalf of the Purchaser

Name:

Designation: Director, Directorate of Flying Training

Signature: _____

Date:

For and on behalf of the Supplier

Name:

Designation:

Signature: _____

Date: