

## TENDER DOCUMENT

### Tender for Advanced Skill Training Programme for Workforce Readiness Initiative in Precision and Aerial Technologies for Scheduled Caste Students

#### 1. Invitation for Bids

The Dr. Y.S.R. Horticultural University invites bids from eligible, experienced, and competent agencies for conducting a Drone Training Programme for students of the University.

The objective of this tender is to impart practical, hands-on training in drone technology, covering fundamental concepts, operational safety, and supervised flying exposure, thereby enhancing students' technical skills, employability, and applied learning capabilities.

#### 2. Scope of Work

The selected bidder shall be responsible for planning, organizing, and executing a comprehensive drone training programme for students of the University.

The scope of work shall include, but not be limited to:

- Design and delivery of a structured drone training programme.
- Conducting theory, practical, simulator-based, and supervised live flying sessions.
- Batch-wise execution of training to ensure safety and effective learning.
- Deployment of qualified trainers and support personnel.
- Arrangement of required training equipment and resources.
- Supply of 10 Training drones for the students to practice in the University.

#### 3. Number of Students and Batch Structure

- Total Number of Students: 180
- Training shall be conducted in multiple batches, depending on the total number of students.
- Batch Size: Maximum of 25 students per batch.
- During practical and live flying sessions, students may be divided into smaller groups to ensure:
  - Individual hands-on exposure
  - Safe drone operations
  - Effective supervision by trainers

#### 4. Eligibility Criteria and Mandatory Conditions

Participation in this tender is subject to strict compliance with the following eligibility conditions. All supporting documents must be submitted along with the bid. Non-compliance with any condition shall result in rejection of the bid.

##### 4.1 GST Registration

The bidder must possess a valid GST Registration Certificate issued by the competent authority.

A self-attested copy of the GST Registration Certificate shall be submitted with the bid and must be valid as on the date of tender submission.

##### 4.2 Earnest Money Deposit (EMD)

The bidder shall submit an Earnest Money Deposit (EMD) of Rs. 1,25,000/- In favour of Principal Investigator. MSME Bidders shall be exempted from submitting the EMD

##### 4.3 Work Experience

The bidder must have successfully executed at least one single work order of minimum value ₹1,00,00,000 (Rupees One Crore only).

- The work order must have been issued by a Government University / Central University / State University in India.
- The work order should be of similar nature involving training, skill development, or technology-

based programmes.

Documentary proof, including copy of work order and completion certificate (where available), shall be submitted.

#### **4.4 Financial Capacity – Turnover Requirement**

The bidder shall have a minimum average annual turnover of ₹1,00,00,000 (Rupees One Crore only) during the last Three (3) financial years.

The turnover shall be supported by:

- Audited financial statements, or
- Certificate from a Chartered Accountant confirming the turnover figures.

#### **4.5 Local Office Requirement**

The bidder must have a functional local office within the State of Andhra Pradesh, which must have been established at least six months prior to the date of publication of this tender.

Acceptable documentary evidence such as rental agreement, utility bill, trade license or registration certificate clearly indicating the existence and address of the local office shall be submitted.

#### **4.6 Non-Blacklisting Certificate**

The bidder shall submit a self-declaration on official letterhead certifying that the bidder has not been blacklisted, debarred, or declared ineligible by any Central or State Government department, Government University, Autonomous Institution, or Public Sector Undertaking as on the date of bid submission.

Submission of a false declaration shall result in rejection of the bid and may invite further action as per applicable rules.

### **5. General Technical Requirements**

The drone training programme shall broadly cover the following areas:

- Fundamentals of drone technology and systems
- Overview of drone components and subsystems
- Basic concepts of drone assembly and maintenance
- Flight safety procedures and regulatory awareness
- Simulator-based flight training
- Supervised live drone flying sessions
- Introduction to sector-specific drone applications, as applicable

The training content shall ensure an appropriate balance between theoretical understanding and practical exposure.

### **6. Training Duration and Schedule**

The total training duration per batch shall be minimum 30 hours.

The training may be conducted:

- In continuous sessions, or
- In modular form over multiple days,

as decided by the University in consultation with the successful bidder.

### **7. Trainers and Training Resources**

- The bidder shall deploy adequately qualified trainers with relevant technical expertise.
- The bidder shall arrange all necessary training resources, including:
  - Training drones
  - Simulators and software

- Tools, accessories, and safety equipment
- The University shall facilitate classroom facilities and suitable open areas for practical sessions, subject to availability.

## 8. Drone Specification

Component	Specification
Drone Type	Quadcopter (4-motor configuration)
Flight Controller	Pixhawk 2.4.8 Autopilot
Frame	DJI F450 Quadcopter Frame
Motor Type	A2212 Brushless DC Motor
Motor KV Rating	1000 KV
Electronic Speed Controller	30A Brushless ESC
Propeller Size	1045 (10 × 4.5 inch) Propellers
Radio Transmitter	FlySky FS-i6 2.4 GHz
Receiver	FlySky compatible receiver
Power Module	Pixhawk Power Module with XT60 connector

## 9. Program Execution Plan (Mandatory)

The bidder shall submit a detailed Program Execution Plan as part of the technical bid.

The Program Execution Plan shall include:

- Overall execution methodology
- Batch-wise training approach
- Deployment of trainers and resources
- Coordination mechanism with the University
- Monitoring, supervision, and reporting framework

### Discretionary Clause on Execution Plan

The University reserves the absolute right to assess the Program Execution Plan for its adequacy and alignment with the objectives of the tender. If the Program Execution Plan is found to be unsatisfactory, inadequate, or misaligned with the stated objectives, the bid may be rejected at the technical evaluation stage without assigning any reason and without any liability whatsoever.

Submission of an incomplete or conditional Execution Plan shall result in rejection of the bid.

## 9. Deliverables

The selected bidder shall ensure the following deliverables:

- Completion of training for the approved number of students
- Maintenance of batch-wise attendance records
- Submission of a training completion report
- Issuance of participation or completion certificates to students
- 25 Training drones for University

## 10. Compliance and Undertaking

The bidder shall submit a signed undertaking confirming that:

- All terms, conditions, and requirements of this tender have been fully complied with
- The training programme shall be conducted strictly as per the directions of the University
- Safety and regulatory norms shall be strictly adhered to

## 11. General Conditions

- The University reserves the right to accept or reject any or all bids, wholly or partly, without assigning any reason.
- The University may modify the number of students, batches, or training schedule based on academic or administrative requirements.
- The decision of the University in all matters related to this tender shall be final and binding.