



राष्ट्रीय बागवानी अनुसंधान एवं विकास प्रतिष्ठान  
NATIONAL HORTICULTURAL RESEARCH AND DEVELOPMENT  
FOUNDATION

Bagwani Bhawan, D-47, Pankha Road, Institutional Area, Janakpuri, New Delhi-110058  
Phone no-011-28524150/2852221/28525129

E-mail:delhi@nhrdf.com

Website:www.nhrdf.org

Ref.No: NHRDF/HO/Tender/AD-51/2025-26/4611

Dated:18.02.2026

**Notice Inviting**

**for**

**Engagement of Agency for Design, Development, Implementation &  
Maintenance of NHRDF Seed Portal and Mobile Application**

National Horticultural Research and Development Foundation (NHRDF), New Delhi, invites bids in sealed covers from eligible, reputed and experienced agencies for design, development, implementation and maintenance of an integrated Seed Portal and Mobile Application for digitalizing all the activities related to Seed Production, Processing, Storage, Transportation, Inventory Management, Sales and Distribution.

The details of work proposed for “NHRDF Seed Portal and Mobile Application Development” and details of terms & conditions can be downloaded from our websites [www.nhrdf.org](http://www.nhrdf.org). The last date of submission of quotations to above addresses will be 18/03/2026 till 5.00 PM. The quotations will be opened on 19/03/2026 at 11.00 AM.

NHRDF reserves the right to accept or reject any or all bids without assigning any reason thereof.

**Joint Director (Horticulture)**

## 1. Notice Inviting Tender/Proposals

National Horticultural Research and Development Foundation (NHRDF), New Delhi, invites sealed bids from eligible, reputed and experienced agencies for design, development, implementation and maintenance of an integrated Seed Portal and Mobile Application for digitalizing all the activities related to Seed Production, Processing, Storage, Transportation, Inventory Management and Distribution.

## 2. Tender Overview

Tender No.	NHRDF/SEED PORTAL/2025–26
Date of Issue	
Name of Work	Engagement of Agency for Design, Development, Implementation & Maintenance of NHRDF Seed Portal and Mobile application
Last Date & Time of Tender Submission	18/03/2026 till 5.00 PM.
Date & Time of Technical Bid Opening	19/03/2026 at 11.00 AM
Date & Time of Financial Bid Opening	Immediately after Technical Bid opening
Tender Fee	Rs. 5000/-
EMD	Rs. 5,00,000/-
Address of Communication	Dr. Rajneesh Mishra, Joint Director (Hort.), Bagwani Bhawan, Plot No-47, Pankha Road, Institutional Area, Janakpuri, New Delhi-110058
Contact	(011) 28524150,28522211,45136697

### Note:

The bidder is required to pay a Non-refundable Tender Document Fee and Earnest Money Deposit (Refundable) as mentioned above via NEFT/RTGS using the following bank details. Proof of payment must be submitted with the tender.

### Bank Account Details for Payment of Tender Document and EMD Fee:

Beneficiary Name	National Horticultural Research and Development Foundation
Account Number	5122101002629
Name of Bank	Canara Bank
IFSC Code	CNRB0005122
Branch	Janakpuri, D – Block (05122), Delhi, NCT of Delhi

### **3. Background**

National Horticultural Research and Development Foundation (NHRDF) was established on 3<sup>rd</sup> November, 1977 under Societies Registration Act, 1860. It has been designated as National Level Agency for MIDH, MPRNL and other schemes of Ministry of Agriculture & Farmers Welfare, Government of India and recognized as R&D Institute by Ministry of Science & Technology, Government of India. NHRDF is also the Voluntary Centre of ICAR for All India Network Research Project for Onion Garlic and AICRP (Vegetable Crop).

During the last 48 years, NHRDF has done extensive work in the field of research, production and post-harvest management of onion, garlic and other vegetable crops in the country. It has developed 22 varieties/lines of Onion and 21 varieties/lines of Garlic out of 7 varieties of Onion and 11 varieties of Garlic have already notified by Government of India for different location & seasons. NHRDF has been substantially involved in production and distribution of quality seeds of high yielding varieties of onion, garlic, potato and other vegetables crops for the last many years.

With increasing scale of operations, rising demand for transparency & accountability and the need for data driven decision making, it has become imperative for NHRDF to adopt a comprehensive digital solution.

With the digital portal, the whole process of farmers registration till the final payments will become simple, transparent and fully trackable online, everyone will be aware of what's happening at each step and problems can be fixed quickly. It will also rule out the possibility of any manipulation at the level of farmers or staff at any stage. The Mobile Application will make things easier by helping people working in the field, at warehouse or office to enter data, check records and keep things running smoothly in the real time manner.

The system shall serve as a single source enabling seamless flow of information between staff working at Head Office, Regional Centres, Laboratories and Seed Processing Plant. The solution will support real-time monitoring, standardized workflows, automated reporting, thereby strengthening governance, operational efficiency and service delivery.

#### **3.1 Objectives**

The key objectives are as follows:

1. To digitize the all the activities related to seed production, starting from farmer registration, seed production and procurement to processing, storage, sales, distribution and final payments, thereby eliminating manual and paper-based processes.
2. To ensure complete traceability of seed lots, farmer-wise production, processing stages, inventory movement and distribution, with real-time visibility.
3. To streamline workflows through standardized processes, automated approvals and real-time data capture, reducing delays, duplication of efforts and human errors across Centres.
4. To enable real-time monitoring of field activities, inventory positions, processing status and distribution performance, supported by dashboards and analytical reports for informed and data driven decision making by management.

5. To empower field staff and Centre officials through a mobile application for on-site data entry, verification, inspections and instant access to records, ensuring timely and accurate data availability.
6. To facilitate accurate computation of payments, deductions and settlements to farmers, other stakeholders with system-driven calculations, thereby enhancing financial discipline and accountability.
7. To create a single source of real time information by integrating data from Head Office, Regional Research Centres, Laboratories and Seed Processing Plants, ensuring consistency, reliability, traceability and easy retrieval of information.

#### **4. Scope of Work**

The selected bidder shall provide complete end-to-end services for Design, Development, Implementation and Maintenance of the NHRDF Seed Portal and Mobile Application, including but not limited to the following:

##### **4.1 Requirement Analysis & System Design**

- Detailed study of existing manual workflows and processes followed by NHRDF.
- Requirement gathering through consultations with Head Office, Regional Research Centres, Laboratories and Seed Processing Plants.
- Preparation of System Requirement Specification (SRS), Functional Requirement Document (FRD) and System Architecture.
- Design of scalable, secure and user friendly system architecture.

##### **4.2 Web Portal Development**

- Design and development of a role-based, responsive web portal for NHRDF.
- Modules covering farmer registration, Agri-inputs distribution, Inspections & Agreement, seed production & procurement, seed processing and return, seed testing, storage, inventory & warehouse management, transportation, distribution, billing and payments.
- Workflow-based approvals, validations and exception handling.
- MIS dashboards and configurable reports for management.

##### **4.3 Mobile Application Development**

- Development of Android & iOS based Mobile Application for field staff at Centres.
- Features for real-time data entry, field inspections, verification, geo-tagging, photo upload and offline data capture with synchronization.
- Secure login and role based access.

##### **4.4 Database & Integration**

- Design and implementation of a centralized database ensuring data integrity and consistency.
- Integration between web portal and mobile application.

- Provision for future integration with Government portals, payment gateways and third party systems, as required.

#### **4.6 Security & Compliance**

- Implementation of role-based access control (RBAC), data encryption and secure authentication mechanisms.
- Compliance with Government of India IT security guidelines and best practices.
- Audit logs and traceability of all transactions and changes.

#### **4.7 Testing & Quality Assurance**

- Comprehensive testing including unit testing, integration testing, system testing, security testing and user acceptance testing (UAT).
- Rectification of bugs and performance issues prior to final deployment.

#### **4.8 Deployment & Go-Live**

- Deployment of the application on NHRDF-designated server / cloud infrastructure.
- Data migration from existing records, wherever feasible.
- Support during go-live and stabilization period.

#### **4.9 Maintenance & Support**

- Comprehensive post-implementation maintenance and technical support for the contract period.
- Regular updates, performance optimization and security patches.
- Helpdesk support and defined Service Level Agreements (SLAs).

### **5. Eligibility Criteria**

The bidder must meet the following minimum eligibility criteria. Non-compliance with any of these conditions shall result in rejection of the bid at the technical evaluation stage:

1. The bidder shall be a Company/LLP registered under the Companies Act, 1956/2013, or a registered Partnership Firm under Indian laws/MSME.
2. The bidder must have at least five (5) years of proven experience as on bid submission date in design, development and implementation of web-based portals and/or ERP/e-Governance procurement systems.
3. The bidder should have successfully completed at least three (3) similar projects involving design, development and implementation of web-based portals and/or ERP/e-Governance procurement systems. Out of three (3), at least one (1) must have been successfully completed for Central/State Government Departments/Public Sector Undertakings involving design, development and deployment of web-based portal or ERP/e-Governance procurement systems. The bidder should submit documentary proof in support of above projects in a form of work orders and also a completion certificate issued by client.
4. The bidder shall have a minimum average annual turnover of Rs. 1 Crore per year

during each of the last three (3) financial years. The bidder must have a positive net worth in each of the last three financial years. The bidder shall submit audited Balance Sheets, Profit & Loss Accounts and Auditors Certificate for the last three financial years in support of the above.

5. The bidder should preferably have ISO 9001 (Quality Management) and ISO 27001 (Information Security) certification. The bidder should have at least one (1) product/solution certified by Standardisation Testing and Quality Certification (STQC) Directorate, Govt. of India. The bidder must also comply with Government of India IT security and data protection guidelines.
6. The bidder must not have been blacklisted or debarred by any Central/ State Government Department, PSU or Autonomous Body. A self-declaration to this effect shall be submitted on the bidder Letterhead.

## **6. Instructions for Tender Submission:**

1. Interested bidder may submit given application (duly filled in) in sealed cover along with required documents to be accompanied with a proof of tender document fee of Rs. 5000/- (Rs. Five Thousand) only and proof of deposit of an interest free EMD of Rs. 5,00,000/- (Five Lakhs) through RTGS/NEFT addressed to Chief Executive Officer, NHRDF, Bagwani Bhawan, Plot No.47, Pankha Road, Institutional Area, Janakpuri, New Delhi-110058, so as to reach within the specified period.
2. The reference to the enquiry number and the last date of submission must clearly be super scribed on the sealed envelope.
3. The Chief Executive Officer (CEO) reserves the right to cancel and/or extend the date of receipt of tender or to withdraw the notice without assigning any reason thereof. In such an event bidder shall not be entitled to any compensation, in any form whatsoever.
4. All entries in the tender form should be legible and filled clearly. If the space for furnishing information is sufficient, a separate sheet duly signed by the authorized signatory may be attached.
5. Each page of this document should be signed by the tender or by the authorized signatories with seal of the agency and required to be enclosed with the tender. Signing each page of the document will be implied as its acceptance in unequivocal manner with clear understanding and interpretation.
6. The agency shall not be allowed to transfer, assign, pledge or sub-contract its work, rights and liabilities under the contract to any other agency without the prior written consent of NHRDF.
7. The agency shall also be liable for depositing all taxes, levies etc. on accounting services rendered by it to NHRDF to concerned tax collection authorized from time to time as per extant rules and regulation on the matter. In case the agency fails to comply with any statutory/taxation, monetary or otherwise, the NHRDF will deduct the same from the outstanding bills of the agency, to the extent of the loss of obligation in monetary terms.

8. Opening of the tender: Tender will be opened at NHRDF office at the time on the date indicated on the tender form.
9. Income tax clearance: Current Income Tax and Service Tax return must be enclosed with the bid submission of PAN and Xerox copy of the PAN card is must.
10. Payment Terms: fees will be given after successful development of the website.
11. Selection of Successful bidder: The agency/ firm shall satisfy the pre-qualification criteria and technical criteria. Thereafter, the lowest among the technically qualified bidder would be selected. Contract value shall be the basis for determination of L1. (GST as applicable)
12. Rejection of offer: NHRDF, reserve the rights to ignore or reject any offer including the lowest without assigning any reason. The NHRDF does not bind itself to accept the lowest offer.
13. Dispute: In case of dispute, the matter shall be settled mutually, failing which the decision of the committee, NHRDF shall be final and binding on the bidders.
14. In case the intended dates for opening of tender is declared a holiday, the quotations will be opened on the next working day.
15. Full and final payment will be made only after completion of work to entire satisfaction of Competent Authority and officials of seed section.

## **7. Essential documents**

### **A. Technical Bid (To be placed in a separate sealed envelope)**

The agencies are required to enclose photocopies of the following documents along with the form, failing which their bids shall be summarily/ outrightly rejected and will not be considered any further.

1. Name of agency.
2. Profile of agency.
3. Name of proprietor/Director of agency with telephone number and email id.
4. Full address of the registered office, Telephone no and Email address.
5. Full address of the local office, Telephone no and Email Address.
6. Average turnover certified by CA for last three years.
7. Company Registration number allotted by the Registrar of Companies/MSME.
8. PAN and /Service Tax Number of the agency.
9. Copy of IT returns as filled by the agency for the last three financial years.
10. Copy of the service tax registration certificate of the agency.
11. Copies of the contract awarded by the Central, State Govt. PSU's Pvt company for website design/developments (at least 5) and a letter from the customer indicating the website is functioning/working properly for last 5 years.
12. ISO certification if any.
13. Experience: The bidder should have minimum experience of 5 years of website design and development in which atleast two purchase orders of Rs. 40 Lakhs each should have been placed in last 3 years. The bidder must submit the certificate of user.
14. Average turnover during the last three financial years not less than Rs. 50 Lakhs.
15. Undertaking of not having been blacklisted by any Central/State Government

Departments/Organization.

**B. Financial Bid: (To be placed in a separate sealed envelope)**

1. Contract value in rupees
2. Taxes as applicable.....
3. Last date for submission of sealed bids:

**Joint Director (Horticulture)**

**Technical Bid Form**

**(To be Submitted on Firms Letterhead)**

**1. General Information:**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
1.	Name of the Society/Firm/Company	
2.	Head Office Registered Address (Attach a proof of address)	
3.	Name of the Managing Director	
4.	Name & Contact details of the Nodal person from Organization for the project	
5.	Office Phone number(s)	
6.	Fax	
7.	Email	
8.	Web	
9.	Registration Number (Attach Proof)	
10.	Year of Registration	
11.	Agency/Organization Registered (Please mention)	
12.	PAN Number (Attach Copy)	
13.	GST Number (Attach Copy)	
14.	TAN Number (Attach Copy)	
15.	Declaration under Section 260AB (Format Attached)	
16.	Certificate of Working Capital and Positive Net Worth certified by CA (Attach copy)	

**2. Relevant Experience:**

<b>Agency</b>	<b>Year</b>	<b>Business Turnover</b>

**(Attach Audited Statement of Accounts certified by CA along with certificate of positive net worth and working capital)**

**3. Status of any Blacklisting: (If Any)**

**4. Details of Domain Experts Working as on Date:**

<b>S. No</b>	<b>Name of the official</b>	<b>Qualification</b>	<b>Sector/ Skill /Specialization</b>	<b>Duration of working with the Agency (No. of years &amp; months)</b>	<b>Total Years of Experience in the concerned sector</b>

**(Note: - Domain Experts should be from the concerned areas as mentioned above)**

Date:

Yours Faithfully

Place:

Signature

Name and Seal of Bidder/Authorized Signatory

**Financial Bid Form**

**(To be Submitted on Firms Letterhead)**

Tender No. \_\_\_\_\_ Dated \_\_\_\_\_

To,  
Chief Executive Officer  
NHRDF, New Delhi

**Subject:** Engagement of Agency for Design, Development, Implementation & Maintenance of NHRDF Seed Portal and Mobile Application

Sir,

With reference to Tender No.....Dated.....we have carefully studied the scope and objectives of the Tender and based on these, I/We hereby submit our Financial Bid. If the contract is awarded to me/us, I/we agree to accept the Scope of Works, all Terms and Conditions included in but not limited to the Tender Document and agree to the payment schedule of NHRDF as per terms and conditions set forth in the Tender Document.

**Affirmation:**

a) I/we affirm that the total percentage quoted represents the Net Price to be paid to us on account of our rights and duties for carrying out activities of the NHRDF, as per terms and conditions of the Tender and in accordance with the scope of work and is inclusive of all expenses and incidentals etc. In particular, the quote is also inclusive of all as per applicable taxes.

b) I/We undertake to accept the payments from NHRDF as per terms and conditions of the Tender document and shall bear all the cost of running operations including travel, lodging boarding and all conveyance expenses. No extra payment on this account will be made to the Company.

c) This offer is being made by me/us after taking into consideration all the terms and conditions stated in the Tender document, and after careful assessment of the Scope of services required, all risks and contingencies and all other conditions that may affect the financial Bid.

**Financial Bid**

<b>S. No.</b>	<b>Particulars</b>	<b>Component Wise Quoted Price and BOQ Rate</b>
1.	Design, Development, Implementation & Maintenance of NHRDF Seed Portal and Mobile Application	

Date:

Signature

Place:

Name and Seal of Bidder/Authorized Signatory

**DECLARATION AND UNDERTAKING**

I/We ..... authorised signatory of the Firm/Company  
.....do hereby solemnly affirm and declare that the individual/ firm/ company is not  
blacklisted/banned/debarred on any ground by Central/State Government Departments or its  
organizations in last three years from date of bid submission.

Date:

Yours Faithfully

Place:

Signature

Name and Seal of Bidder/Authorized Signatory

**ANNEXURE-D**

**FORMAT FOR TURNOVER ON THE LETTER HEAD OF CHARTERED ACCOUNTANT FIRM**

To

Agency Name

Address and Contact details of Firm/Agency

Calculation of Minimum Turnover during previous year/years.

S. No.	Financial year	Amount (Rs.)
1.	2022-2023	
2.	2023-2024	
3.	2024-2025	

Name of CA Firm:

Name of Chartered Accountant: Signature and Seal of CA:

FRN No.

UDIN:

**(ON BIDDER'S LETTER HEAD)**

**Declaration cum Undertaking pursuant to Section 206AB of the Income Tax Act, 1961**

To,

M/s National Horticultural Research and Development Foundation (NHRDF),

New Delhi

**Subject: Declaration confirming filing of Income Tax Return for immediate 3 preceding years**

Dear Sir/Madam,

I, Ms/Mr/M/s. \_\_\_\_\_ in capacity of \_\_\_\_\_ (Name of society) having TMID \_\_\_\_\_, PAN \_\_\_\_\_ (PAN of society) registered office/permanent address at \_\_\_\_\_ do hereby confirm that our income tax return filing status for last 3 Financial Years is as given under:

<b>Financial Year for which Income Tax Return was due as per Section 139(1)</b>	<b>Filed / Not filed</b>	<b>Date of Filing</b>	<b>ITR Acknowledgement No.</b>	<b>TDS/TCS is Rs. 5000/- or more (Yes/No)</b>
2022-23				
2023-24				
2024-25				

I/We hereby undertake to indemnify M/s NHRDF for any claim/loss/liability/cause of action fully including any Tax, interest, penalty, etc. that may arise due to inaccurate/false/incorrect reporting of any of the above information.

Signature: \_\_\_\_\_

Name of person: \_\_\_\_\_

Designation: \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_