



Government of Bihar
Animal & Fisheries Resources Department
Directorate of Fisheries, Patna, Bihar

**Request for proposal for selection of firm/agency for
"Survey of water bodies and catch assessment of fish production
and productivity from surveyed water bodies" in Directorate of
Fisheries.**

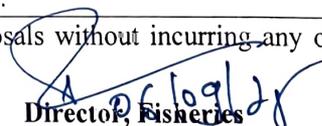
Request for Proposal

1. Directorate of Fisheries, Animal & Fisheries Resources Department, Govt. of Bihar seeks a Request for Proposal for selection of firms/agencies for "**Survey of water bodies and catch assessment of fish production and productivity from surveyed water bodies**" in Directorate of Fisheries, Animal and Fisheries Resources Department, Govt of Bihar with a vision to conduct a comprehensive survey of water bodies of the State and monitoring and assessment of fish production & productivity from surveyed water bodies.
2. The detailed terms and condition for qualification of the bidders, for submission of bids and scope of work of the agency etc. are indicated in the Bidding Documents, which can be downloaded from Website : <https://eproc2.bihar.gov.in>
3. Brief Details for bidding are as below:

Tender No.	
Tender Cost	As per EProc2
Tender Processing Fees	As per EProc2
Earnest Money Deposit (EMD)	Rs. 30,00,000
Date of Issue of RFP	Date 06.09.2025
Last Date of Submission of Pre-bid queries through Email	Date and Time 11.09.2025 till 04:00 PM on Email - ddfstat@gmail.com
Pre-bid meeting date (through Video Conferencing)	Date and Time 12.09.2025 at 03:00 PM Meeting will be held through video conference
Last Date and time for receipt of Proposal	Date and Time 27.09.2025 till 03:00 PM
Date and Time of Opening of Technical Proposal (through Video Conferencing)	Date and Time 27.9.2025 at 04:00 PM
Date and Time of Technical Presentation (through Video Conferencing)	To be communicated to bidders later through E-Mail
Date and Time of Opening of Financial Proposal	To be communicated to technically qualified bidders through E-Mail
E-Mail ID	ddfstat@gmail.com
Nodal Person Details	Umesh Kumar Ranjan, Deputy Director Fisheries (Statistics and Marketing), Directorate of Fisheries, Vikas Bhawan, Bailey Road, Patna -1. Mob No – 9473191538 Email - ddfstat@gmail.com

Any kind of amendment/corrigendum will be published on EPRO2.

AFRD reserves the right to accept or reject any or all proposals without incurring any obligations to inform the affected applicant/s of the grounds.


Director, Fisheries

Directorate of Fisheries
Animal & Fisheries Resource Department



बिहार सरकार

Govt. of Bihar

Animal & Fisheries Resources Department

Request for Proposal for selection of firms/agencies for
“Survey of water bodies and catch assessment of fish production and productivity from surveyed water bodies”

Notice Inviting Tenders

Directorate of Fisheries, Animal & Fisheries Resources Department, Government of Bihar seeks a proposal from reputed firms/agencies for ***“Survey of water bodies and catch assessment of fish production and productivity from surveyed water bodies”*** of Bihar.

The detailed terms and conditions for qualification of the bidders for submission of bids and selection of the firm/agency, roles and responsibilities of the etc. are indicated in the Bidding Documents which can be downloaded from <https://eproc2.bihar.gov.in>. Interested and qualified agencies are requested to submit their proposals along with supporting documents and tender fees as stated on EProc2. Proposals should be submitted online only on EProc2.

**Director Fisheries,
Directorate of Fisheries, Bihar, Patna
Animal & Fisheries Resources Department
E-Mail: - ddfstat@gmail.com**

Fact Sheet

Title of Tender	Survey of water bodies and catch assessment of fish production and productivity from surveyed water bodies
Last Date of Submission of Pre-bid queries through Email	Date and Time 11.09.2025 till 04:00 PM on Email - ddfstat@gmail.com
Pre-bid meeting date and venue (through Video Conferencing only)	Date and Time 12.09.2025 at 03:00 PM
Last date and time for receipt of proposal in response to RFP	Date and Time 27.09.2025 till 03:00 PM
Date of opening of Technical Proposal	Date and Time 27.09.2025 till 04:00 PM
Date and Time of Technical Presentation (through Video Conferencing only)	To be communicated to bidders later through E-Mail
Date of opening of Financial Proposal (through Video Conferencing only)	To be communicated to technically qualified bidders through E-Mail
Mode of Proposal Submission	Online only on EProc2
Tender document fee	As per EProc2
Earnest Money Deposit (EMD)	Rs. 30,00,000/-
Method of Selection	Least Cost Method (L1)
Nodal person for general queries	Umesh Kumar Ranjan, Deputy Director Fisheries (Statistics and Marketing), Directorate of Fisheries, Mob No – 9473191538
Website	https://eproc2.bihar.gov.in
E-Mail	ddfstat@gmail.com
Amendment /corrigendum, if any, shall be published on EProc2.	

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Abbreviations

Particulars	Details
AFRD	Animal and Fisheries Resources Department
DoF	Directorate of Fisheries
GoB	Government of Bihar
RFP	Request for Proposal
BG	Bank Guarantee
EMD	Earnest Money Deposit
ICT	Information Communication Technology
UAT	User Acceptance Test
UI	User Interface
CIFRI	Central Inland Fisheries Research Institute (CIFRI)
CAS	Catch Assessment Software
PAN	Permanent Account Number
TQ	Technical Qualification
FQ	Financial Qualification
PM	Project Manger
ICCC	Integrated Command and Control Centre
LCS/L1	Least Cost Based Selection Method
SoW	Scope of Work
ToR	Terms of Reference
EMD	Earnest Money Deposit
LOA	Letter of Award
GST	Goods & Services Tax
MSME	Micro Small and Medium Enterprises (MSME)
PSU	Public Sector Undertaking
UDIN	Unique Document Identification Number (UDIN)
IT	Information Technology
ITeS	Information Technology Enabled Services
ISO	International Organization for Standardization
CMMi	Capability Maturity Model Integration
ToR	Terms of Reference

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1. Background

Traditionally, Bihar's economy is dominated by rural sector, majority of the population live in the rural areas. The state is endowed with adequate freshwater resources and fishery subsector has a tremendous potential. In the year 2024-25, State has achieved total fish production of 8.96 Lakh MT. The State vision towards fisheries development in Bihar comprises the following: -

- i) Ensure sustainable socio-economic development of farmers involved in fisheries and enhance Human Resource Development to make the fisheries sector an efficient and professionally managed sector. While safeguard the rights of small fishermen, encourage increased participation of women in this sector and implement schemes for welfare of fishermen.
- ii) Encourage Public Private Partnerships in all segments of the fisheries value chain Creating an excellent environment to attract private sector investments in the fisheries sector through legislative and policy support, assist in domestic market development through incentivization of local bodies and private sector players to create modern cold chain and hygienic fish markets.
- iii) Promote innovation and encourage technology upgradation through Research and Development Promote high value fishery resources and their processing for value addition through modernization of the fisheries sector by importing new technologies.
- iv) Put in place appropriate mechanisms to ensure sustainable fisheries and aquaculture to ensure ecological integrity and biodiversity. Ensure sanitary and Phyco-sanitary standards in all the stages of fisheries and aquaculture.
- v) Promote export market through quality management, packaging, labeling, marketing and brand development.

2. Objective of the survey:

- To conduct survey and create database of all types of water bodies like ponds (Departmental as well as created under any Departmental scheme), tanks, wetlands, reservoirs, river, canals, fish seed farms etc.
- To set-up a Integrated Command & Control Centre (ICCC) at HQ level which will function as a tool to monitor and manage the real-time data of the survey as well as need based monitoring of the State/Central scheme. The ICCC will oversee the collection, analysis and reporting of survey data to ensure efficient tracking of the survey progress, data quality and timely interventions wherever required for successful execution of the assignment.
- To access State's fish production and productivity by developing/updating Catch Assessment Software (CAS) Methodology developed by the Central Inland Fisheries



Research Institute (CIFRI), Barrackpore, Kolkata (W.B.) and update/develop CAS in collaboration/technical guidance with CIFRI/DoF.

- To identify key areas that can help in formulation, monitoring, supervision and evaluation of plans for the enhancement of fish production and productivity of these water bodies in future.
- To provide analyzed data and facilitate DoF in taking data driven informed decisions towards formulation, monitoring, supervision and evaluation of plans for the enhancement of fish production and productivity of these water bodies and add to overall production and productivity of the State.

3. Qualification criteria & Technical Evaluation

3.1 Pre-Qualification Criteria (proofs to be attached along with technical proposal)

Pre-qualification criteria		
S. No.	Requirement Description	Supporting evidence required
1.	Legal Entity Company registered under the Companies Act or Partnership firm registered under the Partnership Act of 1932 or registered (converted to) under the Indian Limited Liability Partnership Act, 2008.	Copy of Certificate of Incorporation/Registration Certificate
2.	Bidder's average annual turnover must be INR 5 Crores or above from last three financial years (FY 2021-22, 2022-23 & 2023-24)	Certificate from CA (with UDIN) with average annual turnover of the bidding entity for mentioned years.
3.	The Net Worth of the Bidder must be positive as on 31 st March, 2024.	A certificate from CA certifying the same.
4.	Registration Details : <ul style="list-style-type: none"> • PAN • GST 	a) Copy of PAN Card b) Copy of GST registration Bidders will have to submit ITR and GSTR of last 3 Years.
5.	The bidder must have experience in delivering /implementing ongoing or completed projects in IT/ITeS/ Software domain/Survey for water bodies with any Central Government/ State Government/Semi-Government/ PSUs in India within last five (5) years with single work order value of atleast INR 10 Cr or above.	Supporting Document – LoA/LoI/Work order/Agreement issued by Central / State Government/ Semi-Government/ PSUs
6.	The bidder shall not be blacklisted by any State / Central Government, Semi government or PSU Organization as on bid submission date.	A Notarized Affidavit required to be submitted.
7.	The bidder should have the below quality certificates:	Valid copy of certificates as on bid submission date.

Pre-qualification criteria		
S. No.	Requirement Description	Supporting evidence required
	<ul style="list-style-type: none"> • ISO 9001:2015 • ISO 27001:2022 	
8.	Manufacturer Authorisation Form (MAF)	The bidder has to submit MAF for all hardware components as per Annexure – IV.

3.2 Technical Evaluation Marking Criteria

S. No.	Technical qualification parameter description	Maximum Marks
1.	Average annual turnover of the bidder during the last three (3) financial years (2021-2022, 2022-2023 and 2023-24). <ul style="list-style-type: none"> • Between INR 5 crore to INR 8 crore – 8 Marks • More than INR 8 crore – 10 Marks 	10 Marks
2.	Experience of the bidder in delivering ongoing or completed projects in IT/ITeS/ Software domain / Survey of water bodies with any Central Government/State Government/ Semi-Government/PSUs in India within last five (5) years with a single work order value of atleast : <ul style="list-style-type: none"> • Upto INR 10 Cr – 10 Marks • More than INR 10 Cr – 15 Marks 	15 Marks
3.	Certifications of the bidder : <ul style="list-style-type: none"> • ISO 9001:2015 – 2.5 Marks • ISO 27001:2022 – 2.5 Marks • CMMi 3 or above – 5 Marks 	10 Marks
4.	Experience ongoing or completed projects in IT/ITeS/ Software domain / Survey of water bodies with any Central Government/State Government/ Semi-Government/PSUs in India within last five (5) years : <ul style="list-style-type: none"> • 2 Projects - 5 Marks • 3 - 5 Projects - 8 Marks • More than 5 Projects - 10 Marks 	10 Marks
5.	Presence of the bidding entity : <ul style="list-style-type: none"> • Upto 05 years - 3 Marks • More than 05 years - 5 Marks Certificate of Incorporation to be attached.	05 Marks
6.	Resources' qualifications and competence for the Assignment	15 Marks

S. No.	Technical qualification parameter description	Maximum Marks
	Project Manager	5 Marks
	Software Engineer - 2.5 Marks for each CV	5 Marks
	Android Developer	5 Marks
7.	<p>Number of technical resources (with qualification as defined below) on company's payroll :</p> <ul style="list-style-type: none"> • Upto 20 Technical Manpower – 5 Marks • 21 to 50 Technical Manpower – 08 Marks • More than 51 Technical Manpower – 10 Marks <p>Please attach a certificate from HR head regarding number of employees on agency's payroll and EPF challan of latest quarter. DoF may ask for additional proof, if required.</p> <p>Technical resources will be defined as professionals possessing technical degrees like M.Tech/B.Tech/MCA/BCA/ DCA/ADCA with designations like Technical Support Executives, Programmers, IT Head, Technical Support Associates.</p> <p>Note : Data Entry Operators, IT Boy etc. will not be treated as technical resource.</p>	10 Marks
8.	<p>Technical Presentation</p> <ul style="list-style-type: none"> ▪ Understanding of the scope of assignment – 7.5 Marks ▪ Approach & Methodology - 7.5 Marks ▪ Live Demo of the solution - 10 Marks 	25 Marks
Total Marks		100
Minimum technical qualifying score is: 70 Marks		

4. Scope of Work

4.1 Survey of Water Bodies

The primary objective of this assignment is to conduct survey of water bodies of the State. The survey assignment will be carried out in 03 phases. Each phase will cover one Agro-Climatic zone of Bihar (as detailed in Annexure – III).

The agency will be required to survey all water bodies of the State which includes identifying the water bodies which belongs to the Directorate of Fisheries (DoF) with help of respective District Fisheries Officer. District-wise list of the Departmental water bodies for conducting survey will be provided by DoF. Apart from this, the agency will also conduct survey of the water bodies i.e., ponds constructed under various State/Central Schemes implemented by DoF. Each District

Fisheries Office will nominate a nodal officer to ensure all the water body of the respective district is surveyed and all the vital information is captured on the survey platform. Also, DoF may provide additional data gathered from previous surveys for ground truthing which also needs to be surveyed and all vital details needs to be collected for these data sets as well.

Survey Implementation Plan

4.1.1 Pre-Survey Planning and Data Collection Framework:

- **Stakeholder Consultation:** Engage with DoF, CIFRI experts and stakeholders to understand the specific requirements and objectives of the survey.
- **Survey Methodology:** Define and document the survey methodology based on data requirement from fisheries science perspective and practices ensuring alignment with objective of the survey.
- **Identification of Water Bodies as per Zone:** Identify and map water bodies as per defined zone. DoF may provide existing data of lakes, rivers, ponds, reservoirs and wetlands across Bihar for ground truthing and inclusion in the survey.
- **Survey Design:** Develop a comprehensive survey design/concept and data collection.
- **Survey Data Collection Format :** The agency is supposed to prepare a detailed survey data collection form/format with all relevant fields. The same will be approved by DoF before Go-Live of the Mobile Application. The surveyors will be trained to collect and feed data on the mobile application. Survey work will start once training of surveyors is complete. A pilot of survey in any one (1) district will be conducted to access and analyse the shortcomings.

4.1.2 The survey will cover:

- Water bodies to be surveyed – The water bodies under control of Directorate of Fisheries. Respective District Fisheries Office will provide the detailed information of water bodies (khata, khesra and rakwa) to incorporate the same in the survey data.
- In case of reservoirs and wetlands parameters like total area (estimation) and geographical tagging will be done.
- The agency needs to provide training to the surveyors on updating the data of the survey.
- The agency will do Geo-tagging along with taking photographs of each water body surveyed.

4.1.3 Geographical Location of surveyed water bodies :

- GPS coordinates of the boundaries and other relevant parameters as defined by DoF needs to be captured for all the surveyed water bodies.
- Mapping of water body using GIS tools to produce a spatial representation on administrative map.

4.1.4 Field Survey and Data Collection:

- **Site Visits:** Surveyors will conduct survey of water bodies as per list of water bodies provided by DoF.
- **Detailed data collection using secondary data/interview:** Surveyors will conduct mock survey interview for fish stock assessments, identifying species present and fish production in water bodies.

4.1.5 Field Data Collection

Equipment:

- Android based mobile application for gathering relevant data and GPS details of water bodies being surveyed.
- The agency may use drones for aerial mapping/tagging of water bodies (if required).

4.1.6 Techniques:

- On-ground surveys of water bodies.
- Geo mapping of the water bodies.
- Use of drones for inaccessible or vast regions for water bodies.

4.1.7 Reporting of the Survey:

- Comprehensive report detailing the findings of the survey with Geo-tagged photographs of water bodies surveyed.
- Tabulated data for each water body.
- Details of parameters of ponds to be captured – Atleast four boundary coordinates must be taken through mobile application having precision of upto 10 meters, video of pond (atleast 05 seconds)
- Maps and Visualizations
- GIS-based maps showing the spatial extent of each water body.
- Analysis of data and conclusive report will be submitted as per direction and requirement of DoF.

4.2 Setting up of Integrated Command and Control Centre (ICCC) for real-time monitoring of the survey

The objective of the survey monitoring cell under this assignment is to act as a tool to monitor and manage the real-time data related to the survey of water bodies. The of survey monitoring cell will oversee the collection, analysis and reporting of survey data for water bodies to ensure efficient tracking of the progress, data quality and timely interventions wherever required for successful execution of the assignment. Also, during fish catch assessment, ICCC will monitor zone/strata wise production and productivity mapping activity.

Scope of ICCC

The scope of work for the survey monitoring cell includes the following key components:

4.2.1 Survey Planning and Data Collection

- **Survey Tool Integration:** Integration of survey platforms like mobile applications, web forms for field data collection and reflecting the same on the ICCC dashboard.
- **Data Collection:** Implement real-time data collection mechanisms from surveyors and field teams, ensuring consistency and accuracy.

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4.2.2 ICCC Infrastructure Setup

- **ICCC Hardware Requirements:** Set up the necessary hardware infrastructure (desktop, UPS, antivirus and Video wall) for the ICCC. The ICCC will work on :
 - Real-time survey monitoring, capturing of geo-coordinates and data processing
 - Data visualization, reporting and dashboard tools
 - Report submission on defined frequency
- **Integration of Survey Data:** Ensure smooth integration of field data with centralized databases or cloud storage platforms.
- **Data Integration and Analysis:**
 - Centralized software for consolidating data from various sources/tools used in the survey.
 - Advanced analytics tools for real-time assessment of survey completed and data of the survey.
 - Real-time dashboards for operational staff to monitor ongoing conditions and trends in water bodies.
- **Capacity Building:**
 - Training of ICCC personnel for operational management, technical troubleshooting and decision-making processes.
 - Regular updates on system performance and updates on integrated systems to keep them at the forefront of technology.
- **Maintenance and Support:**
 - Ongoing technical support and maintenance for hardware and software components of the system.
 - Periodic evaluations to assess and enhance system performance.

The monitoring cell will effectively monitor the entire water bodies' survey, fish catch assessment and real-time reporting will help in taking timely action against emerging challenges, if any. DoF may use the monitoring cell (ICCC) software/platform for monitoring of various State/Central schemes under implementation.

4.3 Development of Software for Assessment of Fish Production & Productivity

The scope of this assignment also includes developing/updating a comprehensive software solution to assess fish production and productivity based on the methodology outlined/ software provided by the Central Inland Fisheries Research Institute (CIFRI), Barrackpore, West Bengal. The software will enable accurate, efficient and data-driven evaluations of fish production across different water bodies, helping DoF to make informed decisions.

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The agency needs to coordinate for:

4.3.1. Requirements Gathering and Analysis:

- **Stakeholder Consultation:** Engage with key stakeholders - CIFRI experts & DoF to define detailed functional and non-functional requirements.
- **Methodology Understanding:** In-depth study and documentation of the CIFRI methodology for fish production and productivity assessment to ensure accurate implementation in the software.

4.3.2 Software Design and Architecture:

- **System Design:** Design a scalable and user-friendly system that can handle large datasets, provide easy data input interfaces and offer comprehensive reporting tools.
- **User Interface (UI) Design:** Develop intuitive and easy-to-use interfaces for data input, processing and visualization.
- **Database Design:** Create a robust database structure to store historical data, real-time fishery data and computational results.

5. Implementation Plan of the entire assignment:

- i) **Survey** - The selected agency will conduct survey of water bodies for the entire State. The survey assignment will be carried out in 03 phases. Each phase will cover one Agro-Climatic zone of Bihar (details of survey schedule as per Agro-Climatic zone in attached as Annexure- III).

For conducting the survey of water bodies, service of manpower and subject matter experts from fisheries domain will be required to capture relevant data of water resources, entry of relevant fields of the surveyed data. Hence, need based services of necessary manpower/subject matter experts required will be taken by the successful bidder and the task will be executed.

- ii) **Setting up of Integrated Command and Control Centre** – The selected agency will set-up ICCC which will supervise and monitor the entire survey work. The ICCC will be integrated with survey platforms like mobile applications, web forms for field data collection and reflecting the same on the ICCC dashboard.
- iii) **Development of Software for Assessment of Fish Production & Productivity** – The agency will be responsible for data collection of water resources wise fish production and productivity by using Catch Assessment Software (CAS) developed by the Central Inland Fisheries Research Institute (CIFRI).

Expected Outcomes:

- Survey of all water bodies of the State – ponds, tanks, wetlands, lakes, reservoirs, rivers etc.
- Production and productivity of fish from different water resources.

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- The assignment will be completed in two phases as mentioned above in the stipulated timeline.
- Post successful completion of the assignment in first phase, the extension and renewal of the services of resources/manpower as mentioned above, would entirely depend on the performance of the agency and their timely deliverable of the assignments.

Manpower Requirement for assignment

As per current requirement, following manpower/resources will be required for implementing the assignment. Details of the same are as follows:

I. At field level for survey work - The agency will conduct survey through skilled surveyors. Training of using mobile application for survey shall necessarily be conducted before commencement of survey by the surveyors.

II. At head quarter level for survey monitoring and software updation/development for the entire assignment duration (24 months)

S. No.	Designation	Qualification and Experience
1.	Project Manager (1 No.)	MBA/MCA/B.E./B.Tech/Masters in any discipline from a recognized university with more than 05 years' post qualification experience. Desirable - Experience in Govt. Organisation/PSU will be preferred.
2.	Software Engineer (02)	Full Time B. Tech/ B.E./MCA from a reputed institute with at least 3 years' experience.
3.	Android Developer (01)	B.E/ B.Tech /MCA/M.Sc. (IT) from a recognized university with more than 02 years' post qualification experience.
4.	Statistics Professional (01)	Master's in Fisheries Statistics or Bachelor's degree in mathematics, statistics or related field, Strong math and analytical skills. The Professional shall have good computer skills and ability to use necessary databases and software/assessment software.
5.	Fisheries Expert (02 Nos)	MFSc/BFSc from a recognized university with atleast 02 years' experience.
6.	Technical Support Executive (05 Nos)	MBA/ MCA/ B.E/ B.Tech /BCA/ from a recognized university with more than 02 years' experience. Candidates having experience in government project maybe preferred.

S. No.	Designation	Qualification and Experience
7.	MIS Assistant (01)	Graduate preferably BCA/ B.Tech/ MCA/ B.Sc IT with very good computer skill with atleast 01 year experience.
8.	Multitasking Staff (01)	Must have passed matriculation or equivalent examination.

Preparation & Submission of the Proposal

- The Bidder shall be responsible for all costs incurred in connection with participation in the RFP process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by Purchaser to facilitate the evaluation process, and in negotiating a definitive contract or all such activities related to the bid process.
- Purchaser will in no event be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- Bidders should submit their responses as per the formats given in this RFP which is to be uploaded on the website <https://eproc2.bihar.gov.in>.
- Please note that prices should not be indicated in the technical proposal but should only be indicated in the financial proposal.
- The submission of bid is to be made through <https://eproc2.bihar.gov.in>.
- Any deficiency in the documentation may result in the rejection of the Bidder's Proposal.
- The Proposal shall contain no interlineations or overwriting, except as necessary to correct errors made by the Bidder itself. Any such corrections must be initialled by the authorised signatory of the Bidder.

Pre-bid Conference

- DoF will hold a pre-bid meeting with the prospective Bidders as per information given in the Fact Sheet above.
- The Bidders will have to ensure that their queries for pre-bid meeting should reach the point of contact (Nodal Officer) through email only within stipulated timeline as mentioned in the fact sheet above. The queries should be in format as suggested below.
- The e-mail should necessarily have subject as per the following nomenclature:
"Pre-bid Query – RFP for ***Survey of water bodies and catch assessment of fish production and productivity from surveyed water bodies***" in Directorate of Fisheries.
- The meeting will be held through video conferencing only and link for the same will be shared (through E-Mail) to only those companies who will submit pre-bid queries as per mentioned timeline in the Fact Sheet.

The queries should necessarily be submitted in the following format in both PDF and Editable MS-Word/ Excel File Format:

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S. No.	RFP document reference(s) (Section & page number)	Content of RFP requiring clarification(s)	Points of clarification
1.			
2.			

DoF shall not be responsible for ensuring that the Bidders' queries have been received by them. Any requests for clarifications post the indicated date and time may not be entertained by DoF.

Pre-bid Queries and Corrigendum

- The Nodal Officer notified by the Purchaser will endeavour to provide timely response to all queries. However, Purchaser makes no representation or warranty as to the completeness or accuracy of any response made in good faith, nor does Purchaser undertake to answer all the queries that have been posed by the Bidders.
- At any time prior to the last date for receipt of bids, Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the RFP Document by a corrigendum.
- The corrigendum (if any) & clarifications to the queries from all Bidders will be posted on the <https://eproc2.bihar.gov.in> and emailed to all participants of the pre-bid conference.
- Any such corrigendum shall be deemed to be incorporated into this RFP.
- In order to provide prospective Bidders reasonable time for taking the corrigendum into account, the Purchaser may, at its discretion, extend the last date for the receipt of Proposals.

6. Evaluation Methodology:

6.1 Evaluation of Technical Proposal

In the first stage, the technical proposal will be evaluated on the basis of the criteria stated in evaluation table above. Only those Applicants having Technical Proposals score 70 marks or more out of 100 marks shall qualify for further consideration.

- The Agency obtaining at least **70% marks** on the basis of evaluation of the Technical Bid will qualify for evaluation of Financial Bid.
- Further, the Technical Agency will be selected from the technically qualifying bidders based on selection criteria.

6.2 Evaluation of Financial Proposal

In the second stage, the financial evaluation will be carried out based on criteria given below:

- Only those bidders qualifying through the Technical Bid will be considered for financial evaluation.
- The GST and other levies, if any, should be furnished as per the format.

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- iii. In case nothing mentioned, it will be assumed that taxes / other levies are included in the rates quoted.
- iv. Rate should be quoted on comprehensive basis for carrying out all works as mentioned in the tender document.
- v. The selection method is Least Cost Based Selection Method (L1).
- vi. Financial Proposal to be furnished as per *Annexure - II*.
- vii. The Directorate of Fisheries would enter a contract with successful eligible bidder.

The undersigned reserves the right to enter price negotiation with the successful bidder to reduce the quoted price if the same is found to be irrational/out of budget. An evaluation committee involving officers of Directorate under the chairmanship of Director would be formed to undertake the evaluation and selection process.

The cost indicated in the Financial Proposal shall be deemed as final and reflecting the total cost of services. Omissions, if any, in costing any item shall not entitle the team to be compensated and the liability to fulfil its obligations as per the ToR within the total quoted price shall be that of the successful bidder.

The Bidder shall be selected on the basis of **Least Cost Method (L1)**, the minimum qualifying marks will be 70 in Technical evaluation. Financial proposal of only those agencies will be opened which has secured minimum 70 marks.

Fisheries Directorate will determine whether the Financial Proposals are complete, unqualified and unconditional. The cost indicated in the Financial Proposal shall be deemed as final and reflecting the total cost of services. Omissions, if any, in costing any item shall not entitle the bidder to be compensated and the liability to fulfill its obligations as per the ToR within the total quoted price shall be that of the successful bidder.

The technical and purchase committee of Directorate of Fisheries under the chairmanship of Director, Fisheries will evaluate the technical and financial proposal respectively.





7. Technical Specifications of hardware

Following hardware will be required for the assignment

S. No.	Hardware	Units (Nos)
1	Video Wall	01
2	Desktop	05
3	UPS	05
4	Anti-Virus	05
5	Printer	01

7.1 Video Wall

Video Wall and Controller	
Sl. No.	Minimum Specification
1	Panel: Video Wall should be 4x2 matrix with 55" Full HD
2	24X7 Operational Full HD 55" IPS Panel having HDMI and Display input ports. Product Should have EMC certificate.
3	Brightness: Max 500 cd/m2
4	Contrast Ratio: 1100:1
5	Resolution: 1920 x 1080 (FHD)
6	Viewing Angle: 178 Deg or better
7	Response Time: 10ms or better
8	Surface Treatment: Haze 3 % or better
9	Bezel Width- 1 mm (Even Bezel) or less
10	Dynamic compression ratio- 50,000:1
11	Port: 2 x HDMI, DP, DVI-D, Audio, USB 2.0
12	Should support auto source switching and recovery
13	Typical Power consumption: 200 watt or better
14	Certification: Safety CB / NRTL, EMC FCC Class "A" / CE / KC
15	To be supplied with wall mounting bracket/kit and accessories as per site requirement.
Video wall Controller	
1	8 X 8 HDMI Matrix Switch with Built-in Scaler, Supports Long Distance Transmission , Buil-in Videowall Layouts, Supports EDID Experts
2	Should support Inputs : 8 x HDMI , Output : 8 x HDMI
3	Should be fully compatible with supplied panels
4	Resolution Support :, 1080p / 1920 x 1200 @ 60 Hz ; Consumer Electronics Control (CEC)
5	Should be preferably get connected with the workstations directly with HDMI/DP ports without any converter
6	Should be preferably get connected with the Panels directly with HDMI/DP ports without any converter
7	Max Data Rate upto 6.75Gbps, HDMI & HDCP Compliance

8	Should support Multiple Control : RS-232 Connector: 1 x DB-9, IR 1 x Mini Stereo Ethernet 1 x RJ-45 Female, Mobile Control App, ESD protection for HDMI, Supports Dolby True HD and DTS HD Master audio.
9	Power Consumption less than 70W

Video Wall OEM Eligibility Criteria (Valid documentary proof required)	
1	Manufacturer should have had an active business in India for the last 15 years.
2	Manufacturer should have a valid GST registration certificate in India.
3	Manufacturer should have valid ISO certificates ISO 9001, ISO 14001, and ISO 45001 in India.
4	Manufacturer should have a Local Branch office & warehouse in Bihar state from last 10 Years
5	Manufacturing Company should have factory in India, please attached relevant document
6	Manufacturing Company has Minimum 25 service centers in Bihar (Document Required)
7	Manufacturer should have Direct Service Centre in State to provide fast and smooth service.
8	Manufacturer should have Toll free Number with a dedicated Call Centre to manage service support in India.
9	Manufacturer should have a minimum turnover of 1000 Cr (each year) in the last three financial years in India (CA Certificate required) for last three financial years.
10	Manufacturer should mandatorily submit technical compliance and MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.

7.2 Technical Specifications for Desktop

Technical Specifications of Desktop		
S.No	Parameters	Specification
1	Processor	Minimum Intel Core-14th generation intel core i5 14400
2	Memory	Minimum 8 GB DDR5 4400 MHz memory, expandable up to 64 GB, 2 or more Physical DIMM slots.
3	Chipset	Q series Chipset with 3 PCI Slot
4	Motherboard	Desktop OEM logo must be embossed on the motherboard (Sticker is not acceptable.) System must be capable for 64 bit operating system. Integrated TPM 2.0 Security in the motherboard. Integrated Hardware Diagnostics software (same Desktop OEM make) in the BIOS.
5	Processor Thermal Design Power (TDP)	Minimum 65W

Technical Specifications of Desktop		
S.No	Parameters	Specification
6	Chassis	Small form factor chassis (not more than 8 liters in volume)
7	Hard Disk Drive	512 GB PCIe M.2 NVMe SSD , support 1 TB PCIe M.2 NVMe SSD or more
8	Network Facility	integrated Ethernet controller (10/100/1000 Mbps) , Wi-Fi 6 and Bluetooth
9	Audio	Internal Audio controller
10	USB and Ports	Minimum 8 USB Ports (Including 1 x USB 3.2 Type C Port and 2 x USB 3.2 Ports), 1 x HDMI Port , 1x Display Port / 1 x VGA Port , 1 x Ethernet Port and 1 x Universal Audio Port
11	Slots	Minimum 2 x M.2 Slots , 1 x PCIe x 16 and 1 x PCIe
12	Keyboard	Same Desktop OEM Make 104 Keys with Rupee symbol on key.
13	Mouse	Two button optical scroll Mouse of Same Desktop OEM Make
14	Power Supply	Not more than 180W with minimum 85% energy efficient power supply
15	Monitor (Same Desktop OEM make)	Minimum 21.5" FHD Monitor (Pannel Type : IPS/TN/VA technology) , Minimum 1 x HDMI , 1 x Display Port , 1 x VGA Port , Monitor Stand Must be Height adjustable and with Internal Speakers . Monitor Power supply must integrate , without any external power adaptor .
16	Operating System (OS)	Factory Pre-loaded / Pre-installed Windows 11 Operating System. OEM letter confirming that Operating system is pre-loaded / pre- installed from OEM factory and is genuine. Such declaration should not be signed by anybody below the rank of Director / Vice president of the OEM. Details of signing authority like Name, designation, and email ID to be mentioned in the letter for verification. Microsoft BID / Tender specific OEM authorization letter need to submit along with the tender.
17	Certifications (for the quoted Desktop Model)	ROHs ,FCC,UL,CE ,Energy Star , EPEAT India , Windows 11 and Ubuntu / SUSE / Red hat Linux (Certifications must be available in the public domain against the quoted model name), TCO and Energy Star 8.0 certifications for both quoted Monitor model (Minimum TCO 9)

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Technical Specifications of Desktop		
S.No	Parameters	Specification
18	Manufacturer Criteria	OEM must ISO 14001,9001 and 27001 certified. Minimum 10 Years presence in India. OEM letter confirming that Operating system pre-loaded / pre-installed from OEM factory and service request would be placed directly with the Desktop OEM for the duration of warranty. OEM Toll free service phone no, Email ID and chat option must require along with the bid offering.
19	MS - Office	Inbuilt latest MS Office
20	Warranty	Minimum 3 Years or more onsite comprehensive OEM warranty (Including monitor).
21	Manufacturer should mandatorily submit technical compliance and bid specific MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.	

7.3 Technical Specifications for UPS

TECHNICAL SPECIFICATIONS of UPS		
Capacity	1000 VA	
TECHNOLOGY	MOSFET-PWM	
INPUT	Voltage Range	140V-300VAC \pm 5%
	Frequency	50Hz \pm 10%
	Input cord length	1.2 meter 3 pin Power cord
Output	Voltage (Batt Mode)	230V AC Nominal
	Frequency (Batt Mode)	50Hz \pm 1Hz
	Waveform (Batt. Mode)	Modified Sinewave
	Transfer Time	Typical 4-8ms
	PF	0.6
	output Socket	3 Nos, Three pin Indian Sockets
Battery	Battery Type	SMF (Sealed Maintenance Free)
	AC Voltage Regulation (Batt. Mode)	\pm 10%
	Frequency Range (Batt. Mode)	50 Hz \pm 1 Hz
	DC V / AH / NOS.	12V / 7AH x 2 Batteries
	Transfer Time	Typical 4-8 ms (13 ms maximum)
	Waveform (Batt. Mode)	Simulated Sine Wave
	Recharge Time (Typ.)	6 Hrs to 90% after complete discharge
ENVIRONMENT:	0°-40°C, 0-90% RH Non-Condensing Noise Level <45dB	
	Warranty	2 Years on UPS and 1 Years on Battery
Degree of Protection	IP-20	
SAFETY	BIS	

Certification	ISO 9001, ISO 14001, ISO 14025, ISO/IEC 20000-1, ISO 50001, ISO 45001, ITL9000, CE, ROHS, FCC and E-waste Certificate from CPCB	
Feature		
Boost and Buck AVR - Ultimate Voltage Stabilization.		
Protection against Overload, Discharge/ Overcharge.		
Auto Restart while AC is recovering.		
Generator Compatibility Option.		
Cold Start Function.		
Blinking Light for charging indications.		
Additional Terms and conditions for OEM		
Pan India Service center	> 150 Nos	
UPS OEM Turnover	> 1000 cr in last three FY	
Net worth	Should be positive in last three FY	
Country of origin	Make In India	
OEM Should have Manufacturing	> 30 Years in India	COI Certificate need to submit
Manufacturer should mandatorily submit technical compliance and bid specific MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.		

7.4 Technical Specifications of Anti-Virus Software

Technical Specifications of Anti-Virus Software	
S. No.	Specification
1	Anti-Virus, Anti-Malware, Anti-Phishing, Anti-Rootkit, Anti-Spyware, Anti- Trojan, Anti-Worm, Anti-Spam, Anti-Adware, Anti-Ransom ware, Boot time protection, Removable Media Scan, Protection from Browser Exploits, Incoming and Outgoing Email Protection, Instant Messaging Protection, On-Demand Scanning, On-Access Scanning, Scheduled Scanning, Vulnerability Scanning
2	Must have advanced technology which protects users from threats that have never occurred before Zero Day attacks
3	Provides insight on your risk situation and security status along with helpful tips for enhancing device security.
4	Offers insights into your personal data risks and gives useful tips to strengthen and protect your privacy and identity in the digital world. Get real time, easy-to-understand visual snapshots of your digital wellbeing reports
5	Data Backup option for Ransomware protection
6	Offered OEM must have detection technology for viruses and malware and provide indigenous scan engine.
7	Boot Time Scan, Auto Tuneup, Disk Cleanup, Registry Cleanup, Traces Cleanup, Defragmenter
8	Must have Artificial Intelligence algorithm to learn and evolve in real-time, providing the engine with the capabilities of Predictive Detection.
9	Must have capability to check if your personal data such as your name, email address, phone no., IP address etc. has ever been leaked by any websites or hacked online
10	Must have Anti-Tracker feature which blocks the trackers that collect your footprints whenever you browse online.

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Technical Specifications of Anti-Virus Software	
S. No.	Specification
11	Must Protects your credentials including bank account, username, and password during banking transactions and online shopping from getting stolen
12	Must detects new and unknown malicious threats based on behavioural classification of the documents and files.
13	Must erase the traces from popular application programs such as Microsoft Office applications, Adobe Acrobat Reader, Media Player, WinZip, WinRAR and traces such as Browser Cookies, and Saved Passwords.
14	Make in India (MII) compliant product with minimum 60% local content as per Miety notification dated 6th december 2019 regarding guidelines for Cyber Security product in Make In Indian policy.
15	ISO 20000-1:2018 Certified, ISO 27001:2013 Certified & ISO 9001:2015 Certified
16	Pan India presence of OEM, 15+ registered offices in India.
17	OEM Experience- Must have executed minimum 3 orders from government department having minimum 5000 license each during last 3 years
18	OEM Turnover- The offered OEM should have minimum turnover of 100 Cr. each during last 3 Years with positive net worth.
19	Offered OEM should not be blacklisted from any Central Govt/State Govt and PSU's in last 5 years
20	Solution should have preferably 6+ International Patents for Malware & Ransomware Protection (OEM declaration required)
21	Manufacturer should mandatorily submit technical compliance and bid specific MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.

7.5 Technical Specifications of Printer

Technical Specifications of Printer		
S.No	Parameters	Specification
1	Function	Print, Scan, Copy
2	Print Technology	Laser
3	Toner technology	Separate Drum and toner
4	Function	Print, Scan, copy
5	Print Speed	30 ppm or higher
6	Print Resolution	1200 X 1200 DPI
7	Processor Speed	600 MHZ
8	Duplex Printing	Yes Automatic
9	Memory	32 MB
10	Duty Cycle	10000 pages
11	Input Tray	250 pages
12	Out Put Tray capacity	100 pages
13	By Pass Tray	Yes
14	Interface	Hi-Speed 2.0
15	Toner yield	2500 pages or higher
16	Warranty	3 years

Technical Specifications of Printer		
S.No	Parameters	Specification
17	Bid specific MAF & technical compliance on letterhead required.	Yes Manufacturer should mandatorily submit technical compliance and bid specific MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.
18	ATC	Printer should be provided with same OEM toner and OEM name should be embossed on toner cartridges. The Cartridge should be of the same brand as of printer. Manufacturer should have presence in India form last 15 years.

8. Award of Assignment

After selection, a Letter of Award (LoA) shall be issued in duplicate by the Directorate of Fisheries, Government of Bihar to the Selected Firm and the said firm shall, within 15 (fifteen) days of the receipt of the LOA, sign and return the duplicate copy of the LOA in the acknowledgement thereof. The LOA shall constitute the Agreement for the purpose of this consultancy assignment.

9. Period of Assignment

The period of assignment will be 2 years/24 months. The period of the assignment may be extended further for 2 years or more with atleast 10% increment as per the need of the Directorate of Fisheries, Animal and Fisheries Resources Department, Government of Bihar. Also, number of manpower can be increased or decreased as per requirement of the project and availability of the budget.

10. Clarifications

Any clarification sought may be directed to Director Fisheries, Directorate of Fisheries, Animal and Fisheries Resources Department, Govt. of Bihar.

Email: ddfstat@gmail.com.

Website: <https://eproc2.bihar.gov.in>.

11. Joint Venture/Consortium

Consortium/joint venture will not be allowed.

12. Financial bid format

The bidder shall indicate the final bid amount in Indian National Rupee (INR) inclusive of all taxes, duties, and charges etc. of State or Central Government as applicable. Financial bid shall be submitted as given format in Annexure – II.

13. Project Timelines

The payment will be made on milestone as defined below:

T = Date of execution of the agreement.

#	Phase	Description	Timelines	Duration (Approx.)
1.	Study – Requirement gathering from DoF and basic study of scope of work and implementation plan	SRS of the system to be studied and designed	T0	3 weeks
2.	Establishment of the monitoring (ICCC) Platform	Deployment of resources for developing survey forms/ modules of ICCC	T1	T0 + 2 Weeks
3.	Designing and approval of the fields of survey form	DoF will approve survey forms	T2	T1 + 4 Weeks
4.	Updation/Development of CAS of CIFRI		T3	T2 + 4 Weeks
5.	Training of surveyors (Zone-wise)		T4	T2 + 4 Weeks
6.	Go Live of the monitoring (ICCC) Platform (ICCC License Delivery)		T5	T3 + 2 Weeks
7.	Starting of survey of Zone – I, II & III		T6	T5 + 2 Weeks
8.	Completion of survey of Zone – I, II & III		T7	T6 + 22 Weeks

14. Payment Terms

Payment will be done as per the schedule mentioned below : –

#	Phase	Payment Terms
1.	System Study – Requirement gathering from DoF and basic study of scope of work and implementation plan	10% of the cost component A.
2.	Delivery of ICCC License	10% of the cost component A.
3.	Setting up of ICCC Platform with all hardware as per RFP	20% of the cost component A.
4.	Updation/Development of CAS as per CIFRI	5% of the cost component A.

#	Phase	Payment Terms
5.	Designing and approval of the survey form for ponds/lakes/rivers/reservoirs/fish seed farms/canals	15% of the cost component A.
6.	Training of surveyors (Zone-wise)	5% of the cost component A.
7.	Go Live of the ICCC Platform	5% of the cost component A.
8.	Submission of Survey report of Zone – I	10% of the cost component A.
9.	Submission of Survey report of Zone – II	10% of the cost component A.
10.	Submission of Survey report of Zone – III	10% of the cost component A.
11.	Cost of Manpower at HQ level (paid monthly)	Remaining amount paid monthly as manpower remuneration as per Cost component B.

15. Limitation of Liability

The liability of the agency/firm (whether in contract, tort, negligence, strict liability in tort, by statute or otherwise) for any claim in any manner related to this assignment, including the work, or Services covered under this assignment, shall be the payment of direct damages only, which shall in no event in the aggregate exceed the Total Contract Value.

16. Performance Guarantee / Security

Performance Security shall be obtained from the selected agency (successful bidder) in the form of Bank Guarantee to the tune of 5% of the contract value (excluding taxes).

After selection of suitable applicant (successful bidder), the EMD shall be refunded to the unsuccessful bidders. However, the Selected Applicant's EMD will be returned, without any interest, upon signing of the Agreement and furnishing of the Performance Security to the tune of 5% of the total contract value (excluding taxes).

Performance Security in the form of Bank Guarantee (to be retained by DoF) initially shall be valid till the end of this agreement (Contract) and in case the assignment extends beyond the period, the validity of the Bank Guarantee shall be suitably extended.

17. Removal and Replacement of Team members

If Directorate of Fisheries finds that any of the resource/team member has committed serious misconduct or has been charged with having committed a criminal action, or if the Directorate of Fisheries determines that a resource/team member has engaged in Fraud and Corruption while performing the Services, the Bidder shall, at the Directorate of Fisheries written request, provide a replacement. In the event that any of resource/team member is found by the Directorate of Fisheries to have not performed as per desired standards then with a notice of one month Directorate of Fisheries may ask selected agency to replace the said resource/team member with resource/team member who is equally qualified or has higher qualification & experience then the same mentioned in the RFP.

18. Amendment to RFP

Prior to the closing time and date of receipt of bids, the Directorate of Fisheries may for any reason, whether at its own initiative or in response to a clarification requested by the prospective bidders, modify the RFP document by an amendment in order to provide prospective bidder reasonable time for taking the amendment into account in paring their bids, the Directorate may at its discretion, extend the last date for receipt of bids and/or make other changes in the requirements set out in the RFP.

19. Disclaimer

The Directorate of Fisheries shall not be responsible for any late receipt of bids for any reasons whatsoever.

20. The Directorate of Fisheries reserves the rights to;

- a) Relax or waive off for any of the conditions stipulated in this document as deemed necessary in the best interest of the government and the objective of the scheme without assigning any reasons thereof.
- b) Include any other items in the 'Terms of Reference' at any time after consultation in the pre-bid meeting or otherwise.
- c) Facilitate evaluation of Proposals, the Directorate of Fisheries may, at its sole discretion seek clarification from any Applicant regarding its Proposal. Such clarification(s) shall be provided within the time specified by the Directorate of Fisheries for this purpose. Any request for clarification(s) and all clarification(s) on response thereto shall be in writing. If a bidder does not provide clarifications sought above within the specified time, its proposal shall be liable to be rejected. In case the Proposal is not rejected, the Directorate of Fisheries may proceed to evaluate the Proposal by construing the particulars requiring clarification to the best of its understanding.
- d) All the bidders should mandatorily upload signed copy of RFP and any corrigendum/addendum issued by DoF in regard to this tender on EProc2, failing to which will lead to rejection of the proposal.

21. Right to reject any or all Proposals

Notwithstanding anything contained in the RFP, the Directorate of Fisheries reserves the right to accept or reject any Proposal and to annul the Selection Process and reject all Proposals at any time without any liability or any obligation for such acceptance, rejection, or annulment, and without assigning any reasons thereof.

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The Directorate of Fisheries also reserves the right to reject any Proposal if:

- a) At any time, a material misrepresentation is made or uncovered; or,
- b) The Consultant / Institution does not provide the supplemental information within the time specified by the Directorate of Fisheries, sought for evaluation of the Proposal.

22. Miscellaneous

- a) The Selection Process shall be governed by, and constructed in accordance with, the laws of State and India and the Court at Patna shall have exclusive jurisdiction over all disputes arising under, pursuant to and /or in connection with the Selection Process.
- b) Office space shall be provided by Directorate of Fisheries, Animal and Fisheries Resources Department, Govt. of Bihar.

23. Validity of Proposal

The proposal should be valid for a period not less than 180 days from the due date for receiving the proposal.

24. Roles & Responsibilities

Directorate of Fisheries, Animal & Fisheries Resources Department

- To detail the various activities to be performed under the assignment;
- To appoint a Nodal Officer to review the progress and provide guidance for necessary improvements;
- To ensure that each District Office nominates a nodal officer to ensure all the water body of DoF or created under State/Central Scheme is surveyed and all the vital information is fed on the survey platform.
- To design & execute the protocols required to govern the project;
- Conduct regular meetings with DoF Officials for collection of information and data.

Implementing Agency (IA)

- To deploy the manpower on all the specified posts strictly as per the prescribed qualification & guidelines.
- To ensure that all activities are being performed as per the requirement of department based on the deliverables of the project.
- To submit the reports including all data required/asked by DoF.
- To ensure that all the resources deployed are working as per the protocol of the assignment and scope of work.

25. Earnest Money Deposit

- The Applicant shall furnish, an Earnest Money Deposit (EMD) of Rs. 30,00,000 only (Rupees Thirty Lacs).
- Micro Small and Medium Enterprises (MSME) are exempted from paying the EMD amount for which the concerned enterprise needs to provide valid MSME Udyam registration certificate. In support of the exemption from EMD, MSME bidders are required to upload a copy of the necessary supporting documents in the e-tender portal along with the bid submission.
- The Directorate of Fisheries under Animal and Fisheries Resources Department shall not be liable to pay any interest on the EMD deposit so made and the same shall be interest free. *Applications not accompanied by the Application Security/valid EMD exemption Document shall be rejected by the Department as non-responsive.*
- Hard copy (copy of receipt) of EMD/valid EMD exemption Document should mandatorily be submitted in the tendering authority office within date and time of submission of response this RFP failing to which will lead to rejection of respective bidder's proposal.
- The EMD of unsuccessful Applicant(s) will be returned by the Directorate of Fisheries under Animal and Fisheries Resources Department, without any interest, within 180 days of opening of the bids.
- The Applicant, by submitting its Application pursuant to this RFP, shall be deemed to have acknowledged and confirmed that the Department will suffer loss and damage on account of withdrawal of its Application or for any other default by the Applicant during the Application validity period. No relaxation of any kind on EMD shall be given to any Applicant.
- *EMD shall be forfeited and appropriated by the Animal and Fisheries Resources Department hereunder or otherwise, under the following conditions:*
 - If an Applicant submits a non-responsive Application;
 - If an Applicant engages in a corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice;
 - If an Applicant withdraws its application during the period of Application validity as specified in this RFP and as extended by the Directorate of Fisheries under Animal & Fisheries Resources Department from time to time;
 - In the case of Selected Applicant, if it fails within the specified time limit:
 - to sign the contract/ Agreement and/or
 - to furnish the Performance Security within the period prescribed therefore in the Memorandum of Understanding (MoU).
 - In case the Selected Applicant has signed the MoU, commits any breach thereof prior to the Performance Security.

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26. Performance Security and Penalty

- The Selected Applicant shall furnish following as the performance Security for the project: 5% of the Total Financial Bid as mentioned in the Bid document in the form of Bank Guarantee Issued by a Scheduled/Nationalized Bank in India, drawn in favour of **Director Fisheries, Bihar, Patna Payable at Patna** at the time or before signing of the Agreement.
- The Directorate of Fisheries under Animal & Fisheries Resources Department shall not be liable to pay any interest on the Performance Security deposit so made and the same shall be interest free.
- Performance Security shall be forfeited and appropriated by the Directorate of Fisheries under Animal & Fisheries Resources Department hereunder or otherwise, under the following conditions:
 - If the Selected Applicant engages in a corrupt, fraudulent, coercive, undesirable or restrictive practice.
 - If the Selected Applicant refuses to provide services towards successful completion of its duties and responsibilities as per the expectations mentioned in the scope of work section of the Bid Document
 - The Selected Applicant would be subjected to penalty deduction from the performance Security in case of unsatisfactory or delayed output against the deliverables mentioned above in the bid document
 - The Selected Applicant would be subjected to a payment deduction of 5% of the proportional cost of the services related to that deliverable for delay of every 30-day which has not been discussed or approved by the relevant authority in Animal and Fisheries Resources Department.

27. Confidentiality

- From the time the Proposals are opened to the time the Contract is awarded, the Bidder should not contact the Purchaser on any matter related to its Technical and/or Financial Proposal. Information relating to the evaluation of Proposals and award recommendations shall not be disclosed to the Bidders who submitted the Proposals or to any other party not officially concerned with the process, until the publication of the Contract award information.
- Any attempt by shortlisted Bidders or anyone on behalf of the Bidder to influence improperly the Purchaser in the evaluation of the Proposals or Contract award decisions may result in the rejection of its Proposal.
- Notwithstanding the above provisions, from the time of the Proposals, opening to the time of Contract award publication, if a Bidder wishes to contact The Purchaser on any matter related to the selection process, it should do so only in writing.

28. Normalisation

DoF may undertake written clarifications from the bidders wherever required in the evaluation of the technical proposal submitted by bidder/s. The primary function of clarification in the evaluation process is to clarify ambiguities and uncertainties, if any, arising out of the evaluation of the bid documents in the technical section.

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29. Guidelines

- Bidding agencies are advised to study this RFP document carefully. Submission of a proposal in response to this notice shall be done after careful study and examination of this document with full understanding of its terms, conditions and implications. Bidders must submit all the required documents, duly filled Annexures etc. failing to which will lead to disqualification of the respective bidder.
- All information included in this Request for proposal (RFP) is confidential and only for the knowledge of the recipient. No information included in this document or in discussions connected to it may be disclosed to any other party.
- The technical part of the proposal should not contain any pricing information what so ever on the services offered. Pricing information should be included in the Financial Proposal separately.
- Interested and qualified agencies are requested to submit their proposals along with supporting documents and tender fees and processing fees as per EProc2.

30. Right of Directorate of Fisheries, Animal & Fisheries Resources Department:

- Directorate of Fisheries, (Animal and Fisheries Resources Department) may extend the deadline for submission of bids by issuing an amendment, in which case all rights and obligations of the Department and the bidders previously subject to the original deadline will then be subject to the new deadline.
- The amendment to the RFP, if any will be intimated by uploading the same on EProc2. No separate intimation would be provided to any individual interested applicants. Therefore, the applicants are requested to keep checking the EProc2. In order to accord prospective bidders, reasonable time to take amendment into account, Directorate of Fisheries, Animal and Fisheries Resources Department may, at its discretion, extend the last date for receipt of Bids.
- If, Directorate of Fisheries (Animal and Fisheries Resources Department) deems it appropriate to revise any part of this RFP or Issue additional date to clarify an interpretation of provisions, it may issue supplements to this RFP, which will be uploaded/updated only on EProc2.
- Directorate of Fisheries (Animal and Fisheries Resources Department) may, at its discretion, extend the deadline for submission of proposals by issuing a corrigendum on its website in which case all right and obligation of the project and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended. *Hence, all bidders are advised to check EProc2.*
- Directorate of Fisheries (Animal and Fisheries Resources Department) may terminate the RFP process at any time without assigning any reason thereof.
- Directorate of Fisheries (Animal and Fisheries Resources Department) reserves the right to accept or reject any proposal, annul the short-listing process and reject all responses at any time without thereby incurring any liability to the affected Bidder/s or any obligation to inform the affected bidders of this ground.

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Annexure-I

FORWARDING LETTER FOR PROPOSAL

(On letter head of company)

Date:.....

To

Director, Fisheries,
Directorate of Fisheries,
Animal and Fisheries Resources Department,
Government of Bihar.

Sub: Survey of water bodies/resources of Bihar, its' monitoring and assessment of fish production & productivity from surveyed resources" in Directorate of Fisheries.

Sir,

We are submitting, herewith our proposal for "***Survey of water bodies and catch assessment of fish production and productivity from surveyed water bodies***" in Directorate of Fisheries as per the terms defined in the proposal document.

We have read the tender document/corrigendum/addendum and agree to accept all the terms and condition stipulated in the document/s.

Signature of the Bidder/agency.....

Seal of the Bidder/agency

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Annexure – II

Financial Bid Format

Financial Bid Format		
S. No.	Particulars	Total Cost (in INR)
1.	Cost Component – A	
2.	Cost Component - B	
Total Amount (in INR)		
GST Amount (in INR)		
Total Amount (in INR) (including GST)		
Total Amount (in INR) (including GST) (in words)		

Note : To be submitted on Financial Section on EProc only.

Cost Component - A			
S. No.	Particulars	Unit	Total Cost for 02 Years (in INR)
1.	<ul style="list-style-type: none">Survey as per scope mentioned in RFP (including manpower for survey)ICCC Solution and Mobile Application (including hardware, software and other work as per scope of RFP)	LS	
Total Amount (in INR)			
GST Amount (in INR)			
Total Amount (in INR) (including GST)			

Cost Component - B				
S. No.	Particulars	Units	Unit Cost	Total Cost for 02 Years (in INR)
1.	Project Manager (1 No.)	1		
2.	Software Engineer (02)	2		
3.	Android Developer (01)	1		
4.	Statistics Professional (01)	1		
5.	Fisheries Expert (02 Nos)	2		
6.	Technical Support Executive (05)	5		
7.	MIS Assistant (01)	1		
8.	Multitasking Staff (01)	1		
Total Amount (in INR)				
GST Amount (in INR)				
Total Amount (in INR) (including GST)				

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Annexure – III

Agro-climatic Zone of Bihar					
S. No	Name of State	Name of Range	Name of District	Classification in Agro-climatic Zone	Phase in Survey
1	Bihar	Patna	Buxar	Zone-III B	Phase - III
2	Bihar		Bhojpur	Zone-III B	Phase - III
3	Bihar		Kaimur	Zone-III B	Phase - III
4	Bihar		Nalanda	Zone-III B	Phase - III
5	Bihar		Patna	Zone-III B	Phase - III
6	Bihar		Rohtas	Zone-III B	Phase - III
7	Bihar		Magadh	Gaya	Zone-III B
8	Bihar	Nawada		Zone-III B	Phase - III
9	Bihar	Jehanabad		Zone-III B	Phase - III
10	Bihar	Arwal		Zone-III B	Phase - III
11	Bihar	Aurangabad		Zone-III B	Phase - III
12	Bihar	Munger		Begusarai	Zone-I
13	Bihar		Jamui	Zone-III A	Phase - III
14	Bihar		Khagaria	Zone-II	Phase - II
15	Bihar		Lakhisarai	Zone-III A	Phase - III
16	Bihar		Sheikhpura	Zone-III A	Phase - III
17	Bihar		Munger	Zone-III A	Phase - III
18	Bihar	Bhagalpur	Banka	Zone-III A	Phase - III
19	Bihar		Bhagalpur	Zone-III A	Phase - III
20	Bihar	Purnea	Araria	Zone-II	Phase - II
21	Bihar		Kishanganj	Zone-II	Phase - II
22	Bihar		Katihar	Zone-II	Phase - II
23	Bihar		Purnea	Zone-II	Phase - II
24	Bihar	Kosi	Madhepura	Zone-II	Phase - II
25	Bihar		Supaul	Zone-II	Phase - II
26	Bihar		Saharsha	Zone-II	Phase - II
27	Bihar	Darbhanga	Darbhanga	Zone-I	Phase - I
28	Bihar		Madhubani	Zone-I	Phase - I
29	Bihar		Samastipur	Zone-I	Phase - I
30	Bihar	Muzaffarpur	Muzaffarpur	Zone-I	Phase - I
31	Bihar		East Champaran	Zone-I	Phase - I
32	Bihar		Sitamarhi	Zone-I	Phase - I
33	Bihar		Sheohar	Zone-I	Phase - I

Agro-climatic Zone of Bihar

S. No	Name of State	Name of Range	Name of District	Classification in Agro-climatic Zone	Phase in Survey
34	Bihar	Saran	Vaishali	Zone-I	Phase - I
35	Bihar		West Champaran	Zone-I	Phase - I
36	Bihar		Siwan	Zone-I	Phase - I
37	Bihar		Saran	Zone-I	Phase - I
38	Bihar		Gopalganj	Zone-I	Phase - I

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Annexure - IV

Manufacturer Authorization Form

Date:

To,

Director, Fisheries,
Directorate of Fisheries,
Animal and Fisheries Resources Department,
Government of Bihar.

Tender Title : ***“Survey of water bodies and catch assessment of fish production and productivity from surveyed water bodies”*** in Directorate of Fisheries.

Tender Ref. No.: _____

Dear Sir/Madam,

We, _____ (Name of the company) are reputed manufacturers of _____ (name & description of equipment), having office at _____ (address).

We hereby authorize _____ having their office at _____, to submit a bid and subsequently negotiate and sign the Contract, in their capacity with you against Tender No _____, dated _____ for the above products manufactured by us.

We hereby confirm to you that the proposed products quoted shall not be declared end-of-life for three years from the date of supply and shall be supported by us for three years from the date of supply.

Yours faithfully,

[Signature for and on behalf of Manufacturer]

Name:

Designation:

Name of manufacturers:



Annexure – V

Technical Compliance of Video Wall and Controller

Video Wall and Controller		
Sl. No.	Minimum Specification	Technical Compliance (Yes/No)
1	Panel: Video Wall should be 4x2 matrix with 55" Full HD	
2	24X7 Operational Full HD 55" IPS Panel having HDMI and Display input ports. Product Should have EMC certificate.	
3	Brightness: Max 500 cd/m2	
4	Contrast Ratio: 1100:1	
5	Resolution: 1920 x 1080 (FHD)	
6	Viewing Angle:178 Deg or better	
7	Response Time: 10ms or better	
8	Surface Treatment: Haze 3 % or better	
9	Bezel Width- 1 mm (Even Bezel) or less	
10	Dynamic compression ratio- 50,000:1	
11	Port: 2 x HDMI, DP, DVI-D, Audio, USB 2.0	
12	Should support auto source switching and recovery	
13	Typical Power consumption:200 watt or better	
14	Certification: Safety CB / NRTL, EMC FCC Class "A" / CE / KC	
15	To be supplied with wall mounting bracket/kit and accessories as per site requirement.	
Video wall Controller		Technical Compliance (Yes/No)
1	8 X 8 HDMI Matrix Switch with Built-in Scaler, Supports Long Distance Transmission , Buil-in Videowall Layouts, Supports EDID Experts	
2	Should support Inputs :8 x HDMI , Output : 8 x HDMI	
3	Should be fully compatible with supplied panels	
4	Resolution Support :,1080p / 1920 x 1200 @ 60 Hz ; Consumer Electronics Control (CEC)	
5	Should be preferably get connected with the workstations directly with HDMI/DP ports without any converter	
6	Should be preferably get connected with the Panels directly with HDMI/DP ports without any converter	
7	Max Data Rate upto 6.75Gbps, HDMI & HDCP Compliance	
8	Should support Multiple Control : RS-232 Connector: 1 x DB-9, IR 1 x Mini Stereo Ethernet 1 x RJ-45 Female, Mobile Control App, ESD protection for HDMI, Supports Dolby True HD and DTS HD Master audio.	
9	Power Consumption less than 70W.	

Video Wall OEM Eligibility Criteria (Valid documentary proof required)		Technical Compliance (Yes/No)
1	Manufacturer should have had an active business in India for the last 15 years.	

(Handwritten signatures and initials)

Video Wall OEM Eligibility Criteria (Valid documentary proof required)		Technical Compliance (Yes/No)
2	Manufacturer should have a valid GST registration certificate in India.	
3	Manufacturer should have valid ISO certificates ISO 9001, ISO 14001, and ISO 45001 in India.	
4	Manufacturer should have a Local Branch office & warehouse in Bihar state from last 10 Years	
5	Manufacturing Company should have factory in India, please attached relevant document	
6	Manufacturing Company has Minimum 25 service centers in Bihar (Document Required)	
7	Manufacturer should have Direct Service Centre in State to provide fast and smooth service.	
8	Manufacturer should have Toll free Number with a dedicated Call Centre to manage service support in India.	
9	Manufacturer should have a minimum turnover of 1000 Cr (each year) in the last three financial years in India (CA Certificate required) for last three financial years.	
10	Manufacturer should mandatorily submit technical compliance and MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.	

Technical Compliance for Desktop

Technical Specifications of Desktop			Technical Compliance (Yes/No)
S.No	Parameters	Specification	
1	Processor	Minimum Intel Core-14th generation intel core i5 14400	
2	Memory	Minimum 8 GB DDR5 4400 MHz memory, expandable up to 64 GB, 2 or more Physical DIMM slots.	
3	Chipset	Q series Chipset with 3 PCI Slot	
4	Motherboard	Desktop OEM logo must be embossed on the mother board (Sticker is not acceptable.) System must be capable for 64 bit operating system. Integrated TPM 2.0 Security in the motherboard. Integrated Hardware Diagnostics software (same Desktop OEM make) in the BIOS.	
5	Processor Thermal Design Power (TDP)	Minimum 65W	
6	Chassis	Small form factor chassis (not more than 8 liters in volume)	

Technical Specifications of Desktop			Technical Compliance (Yes/No)
S.No	Parameters	Specification	
7	Hard Disk Drive	512 GB PCIe M.2 NVMe SSD , support 1 TB PCIe M.2 NVMe SSD or more	
8	Network Facility	integrated Ethernet controller (10/100/1000 Mbps) , Wi-Fi 6 and Bluetooth	
9	Audio	Internal Audio controller	
10	USB and Ports	Minimum 8 USB Ports (Including 1 x USB 3.2 Type C Port and 2 x USB 3.2 Ports), 1 x HDMI Port , 1x Display Port / 1 x VGA Port , 1 x Ethernet Port and 1 x Universal Audio Port	
11	Slots	Minimum 2 x M.2 Slots , 1 x PCIe x 16 and 1 x PCIe	
12	Keyboard	Same Desktop OEM Make 104 Keys with Rupee symbol on key.	
13	Mouse	Two button optical scroll Mouse of Same Desktop OEM Make	
14	Power Supply	Not more than 180W with minimum 85% energy efficient power supply	
15	Monitor (Same Desktop OEM make)	Minimum 21.5" FHD Monitor (Pannel Type : IPS/TN/VA technology) , Minimum 1 x HDMI , 1 x Display Port , 1 x VGA Port , Monitor Stand Must be Height adjustable and with Internal Speakers . Monitor Power supply must integrate , without any external power adaptor .	
16	Operating System (OS)	Factory Pre-loaded / Pre-installed Windows 11 Operating System. OEM letter confirming that Operating system is pre-loaded / pre- installed from OEM factory and is genuine. Such declaration should not be signed by anybody below the rank of Director / Vice president of the OEM. Details of signing authority like Name, designation, and email ID to be mentioned in the letter for verification. Microsoft BID / Tender specific OEM authorization letter need to submit along with the tender.	
17	Certifications (for the quoted Desktop Model)	ROHs ,FCC,UL,CE ,Energy Star , EPEAT India ,Windows 11 and Ubuntu / SUSE / Red hat Linux (Certifications must be available in the public domain against the quoted model name), TCO and Energy Star 8.0 certifications for both quoted Monitor model (Minimum TCO 9)	

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Technical Specifications of Desktop			Technical Compliance (Yes/No)
S.No	Parameters	Specification	
18	Manufacturer Criteria	OEM must ISO 14001,9001 and 27001 certified. Minimum 10 Years presence in India. OEM letter confirming that Operating system pre-loaded / pre-installed from OEM factory and service request would be placed directly with the Desktop OEM for the duration of warranty. OEM Toll free service phone no, Email ID and chat option must require along with the bid offering.	
19	MS - Office	Inbuilt latest MS Office	
20	Warranty	Minimum 3 Years or more onsite comprehensive OEM warranty (Including monitor).	
21	Manufacturer should mandatorily submit technical compliance and bid specific MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.		

Technical Compliance for UPS

TECHNICAL SPECIFICATIONS of UPS			Technical Compliance (Yes/No)
Capacity	1000 VA		
TECHNOLOGY	MOSFET-PWM		
INPUT	Voltage Range	140V-300VAC \pm 5%	
	Frequency	50Hz \pm 10%	
	Input cord length	1.2 meter 3 pin Power cord	
Output	Voltage (Batt Mode)	230V AC Nominal	
	Frequency (Batt Mode)	50Hz \pm 1Hz	
	Waveform (Batt. Mode)	Modified Sinewave	
	Transfer Time	Typical 4-8ms	
	PF	0.6	
	output Socket	3 Nos, Three pin Indian Sockets	
Battery	Battery Type	SMF (Sealed Maintenance Free)	
	AC Voltage Regulation (Batt. Mode)	\pm 10%	
	Frequency Range (Batt. Mode)	50 Hz \pm 1 Hz	
	DC V / AH / NOS.	12V / 7AH x 2 Batteries	

TECHNICAL SPECIFICATIONS of UPS			Technical Compliance (Yes/No)
	Transfer Time	Typical 4-8 ms (13 ms maximum)	
	Waveform (Batt. Mode)	Simulated Sine Wave	
	Recharge Time (Typ.)	6 Hrs to 90% after complete discharge	
ENVIRONMENT:		0°-40°C, 0-90% RH Non-Condensing Noise Level <45dB	
	Warranty	2 Years on UPS and 1 Years on Battery	
Degree of Protection	IP-20		
SAFETY	BIS		
Certification	ISO 9001, ISO 14001, ISO 14025, ISO/IEC 20000-1, ISO 50001, ISO 45001, ITL9000, CE, ROHS, FCC and E-waste Certificate from CPCB		
Feature			
Boost and Buck AVR - Ultimate Voltage Stabilization.			
Protection against Overload, Discharge/ Overcharge.			
Auto Restart while AC is recovering.			
Generator Compatibility Option.			
Cold Start Function.			
Blinking Light for charging indications.			
Additional Terms and conditions for OEM			
Pan India Service center	> 150 Nos		
UPS OEM Turnover	> 1000 cr in last three FY		
Net worth	Should be positive in last three FY		
Country of origin	Make In India		
OEM Should have Manufacturing	> 30 Years in India	COI Certificate need to submit	
Manufacturer should mandatorily submit technical compliance and bid specific MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.			

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Technical Compliance of Anti-Virus Software

Technical Specifications of Anti-Virus Software		Technical Compliance (Yes/No)
S. No.	Specification	
1	Anti-Virus, Anti-Malware, Anti-Phishing, Anti-Rootkit, Anti-Spyware, Anti-Trojan, Anti-Worm, Anti-Spam, Anti-Adware, Anti-Ransom ware, Boot time protection, Removable Media Scan, Protection from Browser Exploits, Incoming and Outgoing Email Protection, Instant Messaging Protection, On-Demand Scanning, On-Access Scanning, Scheduled Scanning, Vulnerability Scanning	
2	Must have advanced technology which protects users from threats that have never occurred before Zero Day attacks	
3	Provides insight on your risk situation and security status along with helpful tips for enhancing device security.	
4	Offers insights into your personal data risks and gives useful tips to strengthen and protect your privacy and identity in the digital world. Get real time, easy-to-understand visual snapshots of your digital wellbeing reports	
5	Data Backup option for Ransomware protection	
6	Offered OEM must have detection technology for viruses and malware and provide indigenous scan engine.	
7	Boot Time Scan, Auto Tuneup, Disk Cleanup, Registry Cleanup, Traces Cleanup, Defragmenter	
8	Must have Artificial Intelligence algorithm to learn and evolve in real-time, providing the engine with the capabilities of Predictive Detection.	
9	Must have capability to check if your personal data such as your name, email address, phone no., IP address etc. has ever been leaked by any websites or hacked online	
10	Must have Anti-Tracker feature which blocks the trackers that collect your footprints whenever you browse online.	
11	Must Protects your credentials including bank account, username, and password during banking transactions and online shopping from getting stolen	
12	Must detects new and unknown malicious threats based on behavioural classification of the documents and files.	
13	Must erase the traces from popular application programs such as Microsoft Office applications, Adobe Acrobat Reader, Media Player, WinZip, WinRAR and traces such as Browser Cookies, and Saved Passwords.	
14	Make in India (MII) compliant product with minimum 60% local content as per Miety notification dated 6th december 2019 regarding guidelines for Cyber Security product in Make In Indian policy.	
15	ISO 20000-1:2018 Certified, ISO 27001:2013 Certified & ISO 9001:2015 Certified	
16	Pan India presence of OEM, 15+ registered offices in India.	
17	OEM Experience- Must have executed minimum 3 orders from government department having minimum 5000 license each during last 3 years	

Technical Specifications of Anti-Virus Software		Technical Compliance (Yes/No)
S. No.	Specification	
18	OEM Turnover- The offered OEM should have minimum turnover of 100 Cr. each during last 3 Years with positive net worth.	
19	Offered OEM should not be blacklisted from any Central Govt/State Govt and PSU's in last 5 years	
20	Solution should have preferably 6+ International Patents for Malware & Ransomware Protection (OEM declaration required)	
21	Manufacturer should mandatorily submit technical compliance and bid specific MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.	

Technical Specifications of Printer		Technical Compliance (Yes/No)
S.No	Parameters	Specification
1	Function	Print, Scan, Copy
2	Print Technology	Laser
3	Toner technology	Separate Drum and toner
4	Function	Print, Scan, copy
5	Print Speed	30 ppm or higher
6	Print Resolution	1200 X 1200 DPI
7	Processor Speed	600 MHZ
8	Duplex Printing	Yes Automatic
9	Memory	32 MB
10	Duty Cycle	10000 pages
11	Input Tray	250 pages
12	Out Put Tray capacity	100 pages
13	By Pass Tray	Yes
14	Interface	Hi-Speed 2.0
15	Toner yield	2500 pages or higher
16	Warranty	3 years
17	Bid specific MAF & technical compliance on letterhead required.	Yes Manufacturer should mandatorily submit technical compliance and bid specific MAF (in format as per Annexure – IV) on their letterhead with technical proposal of the bidder.
18	ATC	Printer should be provided with same OEM toner and OEM name should be embossed on toner cartridges. The Cartridge should be of the same brand as of printer.
		Manufacturer should have presence in India form last 15 years.