

**CORRIGENDUM**

**Request for Proposal for selection of System Integrator for Development, Implementation, Operation & Maintenance Support of AI-enabled IoT-based Pond Monitoring and Advisory System for Fish Farming**

**RFP Ref No. OCAC-SASCI-CPMU-0001-2025-26001**

<b>SL#</b>	<b>Clause No/Page No.</b>	<b>Existing Clause</b>	<b>Revised Clause</b>
1.	1. Fact Sheet, Sl.# 5 - Selection Method; page 6	Tenders for this contract will be assessed in accordance with Quality-cum-Cost Based Selection (QCBS) procedure. (70% Weightage on Technical and 30% Weightage on Commercial Evaluation) Joint Venture or Sub-Contracting or Consortium is not allowed.	Tenders for this contract will be assessed in accordance with Quality-cum-Cost Based Selection (QCBS) procedure. (70% Weightage on Technical and 30% Weightage on Commercial Evaluation) Joint Venture or Sub-Contracting or Consortium is not allowed. However, subcontracting is allowed for sensors procurement and field services if any.
2.	4.3. Tenure of Contract (point a)	The Contract shall be in force for Two (2) years and 3 months (with a provision to extend for another two years) subject to adherence to timelines/time frame as per the Terms and Conditions of the Contract.	The Contract shall be in force for One (1) year and 3 months (with a provision to extend for another two years) subject to adherence to timelines/time frame as per the Terms and Conditions of the Contract.
3.	5.1- Pre-Qualification Criteria		See Revised Pre-qualification Criteria below
4.	5.2- Technical Evaluation Criteria		See Revised Technical Evaluation Criteria below

SL#	Clause No/Page No.	Existing Clause	Revised Clause
5.	7 – Scope of work		<p>Clarification :</p> <p>The pilot implementation of the project shall be carried out in 100 selected ponds. The selected bidder shall provide Operation and Maintenance (O&amp;M) support for a period of one year from the date of Go-Live.</p> <p>Based on the evaluation and successful performance of the pilot phase, the O&amp;M period may be extended for an additional two years at the discretion of the authority. During the extended period, the authority may also expand the project to additional locations. In such cases, the bidder shall be required to supply additional IoT devices at the same rate quoted in the financial bid and provide additional manpower support, if required, at the quoted man-month rates.</p> <p><b>Additional Scope of Work:</b></p> <ul style="list-style-type: none"> <li>• The bidder has to provide at least 10 different infographics relating to scope of work for showcasing the project at different forum</li> <li>• The bidder has to provide Presentation in PPT format on Scope, objective and features of project.</li> </ul> <p>The bidder have to furnish above deliverables during the Go-live of project.</p>
6.	7.1. Background & brief scope of work	<p>...</p> <p>The pilot deployment across 400 selected ponds will serve as a proof of concept, creating a scalable framework that can later be expanded statewide to support sustainable fisheries management and enhance the livelihoods of the aquaculture community.</p>	<p>...</p> <p>The pilot deployment across 100 selected ponds will serve as a proof of concept, creating a scalable framework that can later be expanded statewide to support sustainable fisheries management and enhance the livelihoods of the aquaculture community.</p>

SL#	Clause No/Page No.	Existing Clause	Revised Clause
7.	7.2. Objectives	<p>...</p> <p>The project also seeks to bring transparency and efficiency to fisheries management by establishing a centralized digital ecosystem where farm-level data from all 400 selected ponds can be analyzed and monitored in pilot phase (which will be extend further after successful pilot implementation)</p> <p>....</p> <ul style="list-style-type: none"> <li>Supply and installation of IoT devices for 400 ponds across the state</li> </ul> <p>...</p>	<p>...</p> <p>The project also seeks to bring transparency and efficiency to fisheries management by establishing a centralized digital ecosystem where farm-level data from all 100 selected ponds can be analyzed and monitored in pilot phase (which will be extend further after successful pilot implementation)</p> <p>....</p> <ul style="list-style-type: none"> <li>Supply and installation of IoT devices for 100 ponds across the state</li> </ul> <p>...</p>
8.	7.4. IoT System Design, Supply and Deployment	<p>...</p> <p>The SI must carry out installation at all 400 selected farms identified by the Directorate of Fisheries. Before large-scale deployment, the SI must provide a sample IoT unit for validation by ICAR-CIFA. Only after the validation report is approved can full deployment proceed.</p>	<p>...</p> <p>The SI must carry out installation at all 100 selected farms identified by the Directorate of Fisheries. Before large-scale deployment, the SI must provide a sample IoT unit for validation by ICAR-CIFA. Only after the validation report is approved can full deployment proceed.</p>
9.	7.11. Technical Support Unit (TSU)		<p>...</p> <p>TSU shall consisting of</p> <ol style="list-style-type: none"> <li>One Subject Matter Expert/Domain expert</li> <li>One Data Scientist</li> <li>Two Support Associates</li> </ol>
10.	7.15.1. to 7.15.7- Specification of IoT Devices		Revised Specification of IoT Devices see below
11.	7.17. Integration Requirements	<p>...</p> <p>Phase-1</p> <ol style="list-style-type: none"> <li>Social Protection Delivery Platform (SPDP)</li> <li>Aadhaar Data Vault</li> <li>Krushak Odisha</li> </ol>	<p>...</p> <p>Phase-1</p> <ol style="list-style-type: none"> <li>Social Protection Delivery Platform (SPDP)</li> <li>Aadhaar Data Vault</li> <li>Krushak Odisha</li> <li>Matsya Odisha</li> </ol> <p>(other phases remain unchanged)</p>
12.	9.6.2. FORM FIN-2: Cost Summary (in Indian Rupees)		Revised Financial Bid format – see below

## Revised Pre-Qualification Criteria

### 5.1 PRE-QUALIFICATION CRITERIA

Sl#	Category	Requirement	Compliance
a)	Legal	<p>i) Registered under Companies Act,1956 or a partnership firm registered under the Indian Partnership Act, 1932 or Limited Liability Partnership Act,2008.</p> <p>ii) Company should be in operation for last five (5) years as on date of bid submission date</p> <p>iii) Registered with Goods and Services Tax Network (GSTN).</p>	<ul style="list-style-type: none"> <li>▪ Copy of Certificate of Incorporation/Registration</li> </ul> <p>Or</p> <ul style="list-style-type: none"> <li>▪ Copy of the work order or completion certificate as documentary proof of 5 years in operation</li> <li>▪ Copy of GST Registration Certificate</li> </ul>
b)	Turn Over	Average sales turnover of the Bidder from IT/ITeS/ESDM must be Rs. 6 Crores (For startup Odisha firms the turnover would be ₹4.5 Crore) in last three financial years ending on 31 <sup>st</sup> March 2025.	Certificate from CA with Copy of audited Profit & Loss Statement OR Certificate from the Statutory Auditor. The certificate should clearly Startup Odisha Companies must submit required document for same.
c)	Net Worth	The net worth of the bidder in last three financial years ending on 31 <sup>st</sup> March 2025 must be positive.	Certificate from the statutory auditor or Internal auditor
d)	Man power	The bidder must have at least 50 full time technical resources (with qualification of M.Tech/B.Tech/ MBA/MCA/MSC(IT)/ BSC(IT)) in its payroll as on December 2025.	Copy of the latest EPF deposit challan (any month within after June, 2025 with HR Declaration with qualification and experience. Bidders having an average annual turnover of ₹1000 Crore or more during the last three financial years may submit only the HR Declaration with qualification and experience, in lieu of the EPF challan.
e)	Certifications of bidder	<p>The Bidder must have following certification</p> <ul style="list-style-type: none"> <li>• ISO 9001,</li> <li>• ISO 27001</li> <li>• CMMI DEV- Level 3 or above (from CMMi) Institute published in CMMi website with validity.</li> </ul>	Copy of certificate issued by accredited organizations.
f)	OEM Authorisation	The bidder must furnish bid-specific OEM authorisation. Besides, the quoted IoT with all the sensors should not be declared as End of Support including spares, software/firmware etc. at least coming 4 years from the date of submission of bid.	Authorisation & Declaration from OEM

Sl#	Category	Requirement	Compliance
g)	OEM of IoT Device capability	<p>The OEM should have experience in supply of Minimum <b>50</b> Nos (Fifty) of IoT Device for any Government Department in last three years ending on 31<sup>st</sup> March 2025.</p> <p>The OEM must have electronics &amp; IOT manufacturing in last 10 years</p>	Copy of the work order/ completion certificate as documentary proof.
h)	OEM of IoT Device Certification	<p>OEM must have valid certification as below.</p> <ul style="list-style-type: none"> <li>▪ ISO 9001, 20000, 27001, 14001, 45001, FCC, CE, ROHS, MAC, GMP, 14064-1 EPR, NABL IP68 certificate.</li> <li>▪ BIS certificate for Power adaptor same OEM</li> </ul>	Relevant copy of the certification
i)	e-Governance Experience	<p>The bidder must have successfully executed similar e-Governance projects for a Government Department, Government Agency, or Public Sector Undertaking (PSU) in India within the last ten (10) years as of the bid submission date. The bidder shall meet any one of the following minimum project value criteria:</p> <ol style="list-style-type: none"> <li>a. At least one project with a value of ₹2.1 Crore or above, OR</li> <li>b. At least two projects, each with a value of ₹1.6 Crore or above, OR</li> <li>c. At least three projects, each with a value of ₹1 Crore or above.</li> </ol> <p>For Odisha-registered Startups, the minimum eligible project value shall be:</p> <ol style="list-style-type: none"> <li>a) At least one project with a value of ₹1.7 Crore or above, OR</li> <li>b) At least two projects, each with a value of ₹1.2 Crore or above, OR</li> <li>c) At least three projects, each with a value of ₹80 Lakh or above.</li> </ol> <p>For the purpose of this requirement, a similar category e-Governance project shall include any one or more of the following:</p> <ul style="list-style-type: none"> <li>• Development and implementation of a software application, including mobile applications.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Copy of the Work Order only Software</li> <li>▪ Project completion/Phase Completion/UAT or go-live certificate.</li> </ul>

Sl#	Category	Requirement	Compliance
		<ul style="list-style-type: none"> <li>Deployment of IoT devices along with operational software developed by the bidder.</li> <li>Supply and integration of hardware that is operated through software developed by the bidder.</li> </ul> <p>The total order value of each project shall be considered for evaluating eligibility.</p>	
j)	IoT integration experience	The bidder should have successfully completed at least one application with integration of at least 50 IoT devices for any Government Department or Government Agency or PSU in India during last 10 years as on bid submission date	<ul style="list-style-type: none"> <li>Copy of the Work Order only Software</li> <li>Project completion/Phase Completion/UAT or go-live certificate.</li> </ul>
k)	Consortium	Consortium bidding / sub-contracting is not allowed	
l)	Existence in Odisha	The bidder must have a Centre operational in Odisha or submit a declaration to open an office in Odisha within a timeline of 3 months from the award of work.	Trade License/ Leased Agreement
m)	Black listing	The bidder must not be currently under declaration of ineligibility for corrupt and fraudulent practices or blacklisted/debarred by Central Government or any State Government Organization or Department or PSU in India	Self-declaration in this regard by the authorized signatory of the bidder on the company letterhead (as per template provided in this RFP document)
n)	Earnest Money Deposit	Rs. 3,00,000/- (Rupees Three lakhs). Exempted for Start-up Odisha firms only.	In the shape of Bank Draft OR Bank Guarantee (in the format specified in this RFP).

## 5.2 TECHNICAL EVALUATION CRITERIA

Technical proposals of those bidders will be opened and evaluated, who qualify the Pre-Qualification criteria. The Evaluation Committee will evaluate the Technical Proposals on the basis of technical evaluation criterion as provided below:

### 5.2.1 Organization Profile [15 Marks]

Sl#	Evaluation Criterion	Max Marks	Compliance
a)	Average sales turnover of the Bidder from IT/ITeS/ESDM business in last 3 years (2022-2023,2023-2024 & 2024-2025)	10	Copy of audited Profit and Loss Statement <b>OR</b> Certificate from the Statutory / Internal Auditor / Company Secretary

Sl#	Evaluation Criterion	Max Marks	Compliance
	<p>≥ ₹6 crores: 3 marks</p> <p><i>[Additional 1 mark for each additional ₹1 crores subject to maximum of 10 marks]</i></p> <p><b>For Startup</b></p> <p>≥ ₹4.5 crores: 3 marks</p> <p><i>[Additional 1 mark for each additional ₹50 Lakhs subject to maximum of 10 marks]</i></p>		If Startup - Startup Odisha Certificate
b)	<p>The bidder must have at least 50 full-time technical resources(BE/B.Tech/MCA/MSC(IT)/Diploma) in its payroll as on March 2025.</p> <p>≥ 50 Resources: 3 Mark</p> <p><i>[Additional 1 mark for each additional 10 resources subject to maximum 10 marks]</i></p>	10	Copy of the latest EPF deposit challan & HR Declaration with list. Bidders having an average annual turnover of ₹1000 Crore or more during the last three financial years may submit only the HR Declaration with qualification and experience, in lieu of the EPF challan.
c)	<p>Bidder's existence in Odisha</p> <p>Only an office/operation centre – 3 marks</p> <p>Development Centre with 25 resources – 5 marks</p>	5	Leased agreement/GST Registration/Trade license with HR Declaration
d)	<p>OEM's existence in Odisha</p> <p>OEM's Service Centre – 3 Marks</p> <p>OEM's Manufacturing Unit – 5 Marks</p>	5	Leased agreement/GST Registration/Trade license with HR Declaration

### 5.2.2 Technical Strength [40 Marks]

Sl#	Evaluation Criterion	Max Marks	Compliance
a)	<p>The bidder should have experience in implementation of similar e-Governance project for any Government Department/Government Agency/PSU/Autonomous body in India, in the last 5 years as on 31<sup>st</sup> March 2025.</p> <p><u>Order value more than ₹1 Crore shall be considered. (for startups order value should be more than ₹80 lakhs)</u></p> <p><i>[Each project will be awarded 5 marks]</i></p>	15	<ul style="list-style-type: none"> <li>Copy of the work order / Project completion / go-live certificate.</li> </ul>

Sl#	Evaluation Criterion	Max Marks	Compliance
	<p>For the purpose of this requirement, a similar category e-Governance project shall include any one or more of the following:</p> <ul style="list-style-type: none"> <li>• Development and implementation of a software application, including mobile applications.</li> <li>• Deployment of IoT devices along with operational software developed by the bidder.</li> <li>• Supply and integration of hardware that is operated through software developed by the bidder.</li> </ul> <p>The total order value of each project shall be considered for evaluation</p>		
b)	<p>Bidders Experience in the implementation of IOT based project</p> <p>Each Project 5 marks</p>	10	<ul style="list-style-type: none"> <li>▪ Bidder must submit the documentary proof such as Copy of the work order or client certificate or website link etc.</li> </ul>
c)	<p>The quoted IoT devices must be supplied and installed for any Government/PSU/Autonomous body</p> <p>50 devices – 3 marks</p> <p>For an additional 25 IOT devices – 1 mark each</p>	10	<ul style="list-style-type: none"> <li>▪ Copy of Work order and documentary proof against Go-live</li> </ul>
d)	<p>Experience in implementation of projects in Aquaculture, Poultry and Livestock Sector (type of project covered under point a) with order value of at least Rs. 10 lakhs</p>	5	<ul style="list-style-type: none"> <li>▪ Copy of Work order and documentary proof against Go-live/implementation</li> </ul>

### 5.2.3 Presentation & Technical documentation– Approach and Methodology [30 Marks]

Sl#	Evaluation Criterion	Max Marks	Compliance
a)	<p>Approach and Methodology</p> <ul style="list-style-type: none"> <li>a) Understanding of Requirements and Fish Pond management Ecosystem – <b>10 marks</b></li> <li>b) Proposed Solution and Its Components– <b>5 marks</b></li> <li>c) AI/ML Methodology- <b>5 marks</b></li> <li>d) Risk Identification &amp; Mitigation Strategy – <b>5 marks</b></li> <li>e) Innovation &amp; Value Addition- <b>5 marks</b></li> </ul>	30	Quality of Technical Proposal and Presentation

## **IoT Sensor Specifications (Revised)**

### **7.15.1. TAN (Total Ammonia Nitrogen)**

<b>Parameter</b>	<b>Specification</b>
Sensor Type	Optical Online
Measurement Ion	NH <sub>3</sub> + ISE NH <sub>4</sub> (Ammonium Ion)
Measurement Accuracy	±0.1
pH Operating Range	2.5 – 11 pH
Temperature Operating Range	0 – 60 °C
Active Component	Yes
Body Material	Imported Epoxy Resin
Salt Bridge Material	Separable Ring Grinding Mouth
Sensor Type	Ion Selective Electrode (ISE)
Connector Type	BNC – S7 / S8
Dimensions	Ø12 mm x 120 mm
IP protection	IP68
Measurement Principle	Ion Selective Electrode (ISE) – NH <sub>4</sub> <sup>+</sup> detection
Temperature Compensation	Automatic
Measuring Range	0–10 mg/L / 0–100 mg/L / 0–1000 mg/L
Resolution	0.01 mg/L (0–100 range)
Accuracy	±10% of reading or ±1 mg/L
Response Time	T <sub>90</sub> < 60 sec
Detection Limit	0.09 mg/L
Communication	RS485 Modbus
Power Supply	12V DC
Protection Rating	IP68

### **Mechanical & Electrical Features should be:**

- High strength imported epoxy resin body
- Separable salt bridge design for easy maintenance
- BNC standard connector for universal compatibility
- Compact 12 mm diameter probe suitable for inline and portable systems
- Chemical-resistant body for harsh water environments

### **7.15.2. Dissolved Oxygen (DO) Level Sensor**

<b>Parameter</b>	<b>Specification</b>
Measurement Range	0 – 20 mg/L

Resolution	0.1 ppm
Accuracy	±0.2 ppm to ±1 count
DO Sensor Type	Optical Online
Output Type	Analog Voltage
Signal Interface	BNC Connector
Power Supply	9V DC Battery
Electrolyte Solution	7.5% Potassium Chloride (KCl)
Temperature Compensation	Integrated automatic temperature compensation
Operating Temperature	0 – 60 °C
Measurement Principle	Optical / Electrochemical DO measurement
Deployment Type	Suitable for continuous submerged operation
Measuring Range	0 – 20 mg/L
Saturation Range	0 – 200 %
Accuracy	<5 ppm: ±0.2 mg/L ≥5 ppm: ±0.3 mg/L
Repeatability	±0.2 mg/L
Response Time	T90 < 60 seconds
Stability (Constant Temp)	Drift < 0.1 mg/L
Stabilization Time	≤ 300 seconds
Temperature Shock Stability	Drift < 0.1 mg/L (stable up to 2 hrs)
Measuring Range	0 – 50°C
Accuracy	±0.1°C
Response Time	T80 < 600 seconds
Storage Temperature	-5°C to 50°C
Communication	RS485 – Modbus RTU
Working Voltage	12V DC
Withstand Voltage	Up to 28V DC
Measuring Power Consumption	20mA @ 12V
Motor Start Current	500mA (short term)
Long-Term Start Current	1100mA
Operating Current	300mA
Waterproof Rating	IP68
Maximum Depth	10 meters
Expected Life	2 Years
Housing	ABS / PC / 304 / 316 SS
Cable	SPUR / TPU / PVC

**Mechanical & Protection Features:**

- Oxygen-permeable replaceable membrane cap
- Gold/Silver electrode assembly

- BNC connector for noise-free analog transmission
- Protective membrane crown to avoid physical damage
- Designed for portable and inline water monitoring applications

### 7.15.3. pH Sensor Technical Specification

#### Electrical Specifications

Parameter	Specification
Module Power Supply	DC 9.0 V, 1 A
Output Signal Type	Analog Voltage
Output Voltage Range	0.5 V – 3.0 V
Power Indicator	LED Indicator
Internal Resistance	250 MΩ
Terminal Connection	BNC Plug

#### Performance Specifications

Parameter	Specification
Sensor Type	Optical Online
pH Measurement Range	0 – 14 pH
Accuracy	±0.02 pH
Response Time	< 1 Minute
Alkali Error	0.2 pH
Operating Temperature	0 – 60 °C
Calibration Temperature	24 °C (Room Temperature)
Measuring Range	0 – 14 pH
Resolution	0.01 pH
Response Time	< 30 sec
Temperature Compensation	Automatic
Communication	RS485 Modbus
Protection Rating	IP68
Body Material	PVC / ABS

#### Mechanical & Connector Specifications

Electrode Type: Industrial Glass pH Electrode

Connector Type: Standard BNC Connector

Cable Interface: 2-foot shielded patch cable

### 7.15.4. Communication & Cloud Interface

#### Supported Communication Modes

Mode	Specification
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RS485	Modbus RTU & API-based
NB-IoT	Narrowband IoT wireless communication
4G/LTE	LTE-CAT-M, NB-IoT, 4G LTE Cat-1 GPRS via cellular network
Wi-Fi	Configured via Wi-Fi Manager with fallback AP mode
GSM	Configurable APN settings using SIM7000G module
GPS	Built-in GPS for Geolocation & IST Time stamping
SIM Support	Industrial SIM slot

### Cloud Data & Protocol Support

Parameter	Specification
Upload Interval	150 seconds / Realtime
Protocol	HTTPS POST, MQTT
Endpoint URL	Dynamic
Wi-Fi	Configured via Wi-Fi Manager with fallback AP mode
Format	JSON (Content-Type: application/Json)
SIM Support	Industrial SIM slot
Antenna	External High Gain
Antenna	External High Gain

### Timestamp Handling

Parameter	Specification
Source	GPS time via AT commands
Format	DD-MM-YYYY HH:MM (IST)
Usage	Synchronized across all readings for full traceability

### Certifications of IoT Device

Certification	Standard/Agency
IP68 Rating	NABL
Compliance & Network	WPC, EPR, MAC
Quality Management System	ISO 9001, CMM3 certificate CMMI institute
Environmental Management System	ISO 14001
Safety & Emissions	FCC, CE
Hazardous Substances Restriction	ROHS

### Additional Device Features

Parameter	Specification
Display language Support	3.4" graphical Colour LCD with 8-digit readout (English & Odia) to show availability of connectivity, sensor parameters, alarms, sensor calibration due status, helpdesk details
Offline Backup / Storage	SD card logging for data buffering in offline mode

### 7.15.5. IoT Data Acquisition & Communication Controller

#### System Architecture

Parameter	Specification
RS485 Ports	Minimum 2
Analog Input	4–20mA supported
Digital Inputs	Minimum 2
Local Storage	Minimum 7 days data buffering

#### Power & Protection

Parameter	Specification
Input Voltage	9–24V DC
Power Consumption	<5W
Surge Protection	Yes
Reverse Polarity Protection	Yes

#### Enclosure

Parameter	Specification
Protection Rating	IP65/IP67
Operating Temperature	-10°C to 60°C
Mounting Type	Pole / Wall Mount

### 7.15.6. Power Supply System

Parameter	Specification
Primary Power	AC adapter, solar-based module, or hybrid setup depending on pond location. The IoT must come with solar module
Battery Backup	Rechargeable battery supporting minimum 24 hours operation; overcharge and deep discharge protection

### 7.15.7. Solar Power Supply System

#### Solar Configuration

Component	Specification
Solar Panel	100W Mono-crystalline
Battery	12V 100Ah LiFePO4
Backup	Minimum 3 Days Autonomy
Charge Controller	MPPT 20A
Lightning Protection	SPD + Earthing

Structure	GI, Cyclone Resistant
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**9.6.2. FORM FIN-2: Cost Summary (in Indian Rupees) – (Revised Commercial bid)**

SI#	Item	Unit	Unit Cost (Excl. Tax)	Qty	Total Cost (Excl. Tax)
a)	Base Platform Development with Dashboard	Lumpsum		1	
b)	IoT with 3 years warranty with installation and Yearly calibration	Nos		100	
c)	SIM cost for data transfer for 100 IoT Devices	Year		1	
d)	Development of A1 model (Cost includes Data Collection, Preprocessing Support. Model training & validation and integration With base platform)	Models		2	
e)	Integration With Schemes	Nos		5	
f)	Operation & Management for 1 year	Year		1	
g)	EV SSL certificate for each year	No		1	
h)	Resource Deployment in TSU – Subject Matter Expert	Monthly Cost		1*17	
i)	Resource Deployment in TSU – Data Scientist	Monthly Cost		1*17	
j)	Resource Deployment in TSU – Support Associate	Monthly Cost		2*15	
k)	Conducting training at District level with 10 participants (to be paid as per actual district level training)	Per session		15	
l)	Conducting training at State level with 70 participants (to be paid as per actual state level training)			2	
m)	Conducting virtual training			5	
n)	Cost Discovery item – Man month effort for Software Developer (shall be utilized in case of Change Request in Future)	Man month cost		10	
o)	Security audit of entire application through a Cert-in Empaneled firm	Time		1	
p)	Google Maps Essential Subscription (Price Discovery) for 1 Year	Lumpsum		1	
q)	Google Maps Essential Subscription recurring cost (Price Discovery)	Monthly Cost		12	

Sl#	Item	Unit	Unit Cost (Excl. Tax)	Qty	Total Cost (Excl. Tax)
Sub-Total Cost (Excl. Tax)					
Grand-Total Cost					
Grand Total Cost(In Words):					

**Other terms and conditions of the RFP remain unchanged.**

**Revised Tender Schedule**

**Last Date of Submission of Bid: 30.03.2026 by 11:30 AM**

**Opening of Technical Bid: 30.03.2026 at 12:30 PM**

**Technical Presentation: 31.03.2026 at 11 AM in OCAC (The bidder may opt for the VC mode; however, in such cases, at least one representative must be physically present at OCAC for better coordination.)**

**PRE-BID QUERY RESPONSE DOCUMENT**

<b>SL#</b>	<b>RFP Document Reference</b>	<b>Content of RFP requiring Clarification</b>	<b>Points of Clarification</b>	<b>Response from OCAC</b>
1	4.5.3. Earnest Money Deposit (a) Page:11	Bidders shall submit, along with their Bids, EMD of ₹15,00,000/- (Rupees Fifteen Lakh only), in the eNivida Portal.	Request you to provide an exemption in the EMD submission for the MSME bidder also	No Further exemption is possible.
2	5.1. Pre-Qualification Criteria - Certifications of bidder Page:18	The Bidder must have following certification <ul style="list-style-type: none"> <li>• ISO 9001,</li> <li>• ISO 27001,</li> <li>• CMMI DEV- Level 3 or above (from CMMi) Institute published in CMMi website with validity.</li> </ul>	We request to kindly consider CMMI-SVC (Services) Level 3 as an acceptable alternative to CMMI-DEV Level 3, since the scope of this tender primarily involves IT services, system implementation, support, and maintenance, which are better aligned with the CMMI-SVC model. CMMI-SVC is specifically designed for service-oriented organizations and covers service delivery, service management, operations, and maintenance, which are the core activities under this project.	The scope includes development of software. So the mandate for CMMI-Dev certificate
3	5.1. Pre-Qualification Criteria - Certifications of bidder Page:18	The Bidder must have following certification <ul style="list-style-type: none"> <li>• ISO 9001,</li> <li>• ISO 27001,</li> <li>• CMMI DEV- Level 3 or above (from CMMi) Institute published in CMMi website with validity.</li> </ul>	Kindly please consider that CMMi Level 3 should not be Mandatory.	As per RFP
4	5.1. Pre-Qualification Criteria b) Turn Over Page:18	Average sales turnover of the Bidder from IT/ITeS/ESDM must be Rs. 12 Crores (For startup Odisha firms the turnover would be ₹10 Crore) in last three financial years ending on 31st March 2025.	Request you to consider the group company turnover	As per RFP
5	5.1. Pre-Qualification Criteria b) Turn Over Page:18	Average sales turnover of the Bidder from IT/ITeS/ESDM must be Rs. 12 Crores (For startup Odisha firms the turnover would be ₹10 Crore) in last three financial years ending on 31st March 2025.	Kindly consider average annual turnover would be Rs. 10 Crores in last three financial years ending on 31st March 2025 for all MSMEs.	Only for Startup Odisha Firms
6	5.1. Pre-Qualification Criteria IoT integration experience Page:20	The bidder should have successfully completed at least one application with integration of at least 100 IoT devices for any Government Department or Government Agency or PSU in India during last 10 years as on bid submission date	Since this is a very niche area and there lie not many precedents of similar projects having been implemented in the state or the country at large, we would recommend that this criteria be expected from back-end partners/OEMs etc. and for this purpose the following changes may be made:- 1. Allowing sub-contracting/consortium in this tender.	OCAC does not want to deal with multiple vendors. Commitment is expected from a single vendor to

SL#	RFP Document Reference	Content of RFP requiring Clarification	Points of Clarification	Response from OCAC
			2. Bi-furcation of scope such that all software related work may be expected from the SI while the niche hardware related items may be expected from the back-end agency/OEM	fulfil the requirements.
7	5.1. Pre-Qualification Criteria IoT integration experience Page:20	The bidder should have successfully completed at least one application with integration of at least 100 IoT devices for any Government Department or Government Agency or PSU in India during last 10 years as on bid submission date	We request you to consider The bidder or it's OEM should have successfully completed at least one application with integration of at least 100 IoT devices for any Government Department or Government Agency or PSU in India during last 10 years as on bid submission date	As per RFP
8	5.1. Pre-Qualification Criteria (d) Page:20	IoT integration experience: The bidder should have successfully completed at least one application with integration of at least 100 IoT devices for any Government Department or Government Agency or PSU in India during last 10 years as on bid submission date	This experience should be meet by any of the consortium partner	Consortium is not allowed.
9	5.1. Pre-Qualification Criteria (e) Page:20	Consortium: Consortium bidding / sub-contracting is not allowed	we understand that consortium/sub-contracting is not permitted. It is requested that considering the scale and specialized nature of the scope of work, we request that consortium bidding /sub-contracting to be allowed in order to ensure optimal resource utilization, timely delivery, and cost-effective execution of the project.	Consortium is not allowed.
10	Section 5.1:EMD Page:21	Earnest Money Deposit: Rs. 15,00,000/- (Rupees Fifteen lakhs). Exempted for Start-up Odisha firms	Kindly provide Exemption to all the MSMEs all over India.	ARefer Corrigendum
11	Section 5.2.1 Organization Profile Page:21	Average sales turnover of the Bidder from IT/ITeS/ESDM business in last 3 years (2022-2023,2023-2024 & 2024-2025) ≥ ₹12 Crores: 3 marks [Additional 1 mark for each additional ₹1 Crores subject to maximum of 10 marks] For Startup ≥ ₹10 Crores: 3 marks [Additional 1 mark for each additional ₹25 Lakhs subject to maximum of 10 marks]	Kindly consider average annual turnover would be Rs. 10 Crores in last three financial years ending on 31st March 2025.	Refer Corrigendum
12	(TQ) 5.2.1 - Organization Profile	OEM's existence in Odisha OEM's Service Centre – 3 Marks	Kindly amend OEM'S existence in India. For maximum participation.	The purpose is to give preference

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	[15 Marks] Point-d Page:22	OEM's Manufacturing Unit – 5 Marks		to OEMs based in Odisha.
13	(TQ) 5.2.1 - Organization Profile [15 Marks] Point-d Page:22	OEM's existence in Odisha OEM's Service Centre – 3 Marks OEM's Manufacturing Unit – 5 Marks	We kindly request that this clause be removed, as it places an undue preference on OEMs based within Odisha and may disadvantage OEMs located outside the state.	There is nothing undue. It is a standard practice.
14	5.2. Technical Evaluation Criteria, 5.2.1 Organization Profile, SI No c), Page No 22	Bidder's existence in Odisha Only an office/operation centre – 3 marks Development Centre with 25 resources – 5 marks	We would like to request you kindly merge this two points as you have asked the resources details in the Point No b). Proposed amendment: • Bidder's/OEM's Operation/Service Centre in Odisha – 5 Marks • Bidder's/OEM's Development Centre in Odisha – 10 Marks	As per RFP
15	5.2. Technical Evaluation Criteria, 5.2.1 Organization Profile, SI No d), Page No 22	OEM's existence in Odisha OEM's Service Centre – 3 Marks OEM's Manufacturing Unit – 5 Marks  Leased agreement/GST Registration/Trade license with HR Declaration.	Additionally, the execution of the project will be undertaken by the bidder. We also have adequate service engineers for execution and ongoing support.	
16	5.2. Technical Evaluation Criteria 5.2.2 Technical Strength Point – b Page:23	Bidders Experience in the implementation of IOT based project Each Project 5 marks Max Marks: 10	Since IOT is a very niche area and relatively less popular right now, we recommend changing this clause to bidders' experience in the implementation of SI projects having multiple IT/ITeS components/equipments	The criterion applies to all. Should not be a concern.
17	5.2. Technical Evaluation Criteria 5.2.2 Technical Strength Point – b Page:23	Bidders Experience in the implementation of IOT based project Each Project 5 marks Max Marks: 10	We request you to consider The bidder or it's OEM Bidders Experience in the implementation of IOT based project Each Project 5 marks	The criterion applies to all. Should not be a concern.
18	5.2. Technical Evaluation Criteria Page:23	The quoted IoT devices must be supplied and installed for any Government/PSU/ Autonomous body 400 devices – 3 marks For an additional 25 IOT devices – 1 mark each Max Marks: 10	Since IOT is a very niche area and relatively less popular right now, we recommend changing the requirement of supply of IOT devices to number of IT/ITeS projects executed of value more than equal to INR 10 Cr.  Each project will be awarded 2.5 marks each.  Maximum 10 marks will be awarded under this criteria	The criterion applies to all. Should not be a concern.
19	5.2. Technical Evaluation Criteria	The bidder must have at least 50 full-time technical resources	As per our understanding, Startups registered in odisha would also like to seek an exemption on 50 Full time	Capacity is paramount.

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	5.2.1 Organization Profile Page:23-24	(BE/B.Tech/MCA/MSC(IT)/Diploma) in its payroll as on March 2025. ≥ 50 Resources: 3 Mark [Additional 1 mark for each additional 10 resources subject to maximum 10 marks].	technical resources and would also like an exemption on EPF deposit challan. As marking pattern would not promote local startups to participate in the Bid.	Startups are given advantage on other criteria, not on this one
20	5.2. Technical Evaluation Criteria 5.2.2 Technical Strength Page:23-25	Experience in implementation of projects in Animal Resource Development Sector (type of project covered under point a) with order value of at least Rs. 10 lakhs.	We request you to kindly allow implementation experience from other relevant sectors in addition to the Animal Resource Development sector.	As per RFP
21	5.2. Technical Evaluation Criteria 5.2.2 Technical Strength Point – d Page:24	Experience in implementation of projects in Animal Resource Development Sector (type of project covered under point a) with order value of at least Rs. 10 lakhs Max Marks: 5	We would like to bring to your kind attention to the fact that Animal Resource sector dependency in this clause is very restrictive in nature and therefore we request you to change this clause as below: - "Experience in implementation of projects in Forest/Dairy/Horticulture/Fisheries domain with order value of at least Rs. 10 lakhs Max Marks: 5"	Refer to Corrigendum
22	5.2. Technical Evaluation Criteria 5.2.2 Technical Strength Point – d Page:24	Experience in implementation of projects in Animal Resource Development Sector (type of project covered under point a) with order value of at least Rs. 10 lakhs Max Marks: 5	We request to kindly consider also experience in other Government / Public Sector domains such as Agriculture, Fisheries, Dairy, Livestock, Rural Development, Health, Education, e-Governance, or IT system implementation projects as eligible, in addition to the Animal Resource Development sector.  Experience in implementation of projects in Animal Resource Development Sector or any other related Government / Public Sector domain such as Agriculture, Fisheries, Dairy, Livestock, Rural Development, Health, Education, or e-Governance, with order value of at least Rs. 10 lakhs.	Refer to Corrigendum
23	5.2. Technical Evaluation Criteria 5.2.2 Technical Strength Point – d Page:24	Experience in implementation of projects in Animal Resource Development Sector (type of project covered under point a) with order value of at least Rs. 10 lakhs Max Marks: 5	Kindly amend this clause as : "Experience in implementation / any kind of support services / PMU of projects in the Animal Resource Development Sector or allied sector or any Govt. department (project covered under point (a)) with an order value of at least ₹10 lakhs."	Refer to Corrigendum
24	5.2.2 Technical Strength (d) Page:25	Experience in implementation of projects in Animal Resource Development Sector	Please amend the Point as- Experience in implementation of projects in Agriculture & allied services	As per RFP

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		(type of project covered under point a) with order value of at least Rs. 10 lakhs		
25	5.2.2 Technical Strength (d) Page:25	Experience in implementation of projects in Animal Resource Development Sector (type of project covered under point a) with order value of at least Rs. 10 lakhs	This experience should be meet by any of the consortium partner	Consortium not allowed
26	Section 7.5 – Centralized Monitoring Platform and Web Application Page:31	Central dashboard for real-time monitoring and analytics	Kindly specify the expected number of dashboard users, segregated by role (state-level officials, district/block officers, administrators, TSU, ICAR/OUAT experts).	Will be decided during SRS finalisation
27	Section 7.8 – Hosting, Security and Backend Infrastructure Page:32	The SI is responsible for configuring and managing secure backend infrastructure, preferably on the Odisha State Data Centre (OSDC).	Please confirm our understanding is correct that while the preferable infrastructure is Odisha State Data Center (OSDC), the SI can also use a hybrid infrastructure i.e. both Odisha SDC and MeitY empanelled CSP to deploy the complete data platform i.e. ingestion, analytics, AI models, training and reporting for optimum performance.	Since the infrastructure shall be provided by OCAC, it will be hosted in OSDC only.
28	Section 7.15.4 Page:38	Communication: Supports NB-IoT, 4G/LTE-CAT-M, Wi-Fi, GSM; upload interval 15-50 seconds.	Confirm if SIM cards and data charges are included in SI scope; specify fallback priority for connectivity modes.	Yes
29	Section 7.15.5 Page:40	Power supply: Solar module required; battery backup ≥24 hours.	Provide details on solar panel wattage/size and battery capacity (Ah) .	Refer to Corrigendum
30	Section 7.15.9.1 Page:41	Central platform: Real-time dashboard, alerts, role-based access; geo-tagged views.	Specify concurrent user capacity and refresh rate for dashboard; confirm hosting on OSDC only.	Will be decided during SRS finalisation
31	Section 7.15.9.1 – Real-Time Dashboard Page:41	Live dashboards with auto-refresh	Kindly indicate the maximum expected concurrent users accessing real-time dashboards during peak hours, to enable proper sizing of analytics and visualization infrastructure.	Will be decided during SRS finalisation
32	Section 7.5 & Section 7.15.9.3 – User Authentication & Access Control Page:41	Role-based access to dashboards and analytics	Please clarify whether all registered users will have access to dashboards, or only a subset of users (e.g., officials and administrators), while farmers access data only via mobile/SMS.	Will be decided during SRS finalisation
33	Section 7.15.10 – Mobile Application Page:42	Mobile access to monitoring information	Kindly clarify whether mobile users (field staff) will also access embedded dashboards or summarized analytics views, and the estimated number of such users.	Will be decided during SRS finalisation
34	Section 7.15.10 – Mobile Application Page:42	Mobile app: Real-time monitoring, offline capability, Odia/English, QR linking.	Is app development native (Android/iOS) or cross-platform? Define "near real-time" for push notifications.	Yes. Near Realtime means Realtime without

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				any infra constraint.
35	7.15.13- Onsite Sensor Linking Page:42	The app shall allow: <ul style="list-style-type: none"> <li>• QR code scanning</li> <li>• Photo-based documentation</li> <li>• GPS tagging</li> </ul>	QR Code Placement Should QR codes be placed on: Sensor body IoT controller unit Both sensor and controller	As per RFP
36	7.15.13- Onsite Sensor Linking Page:42	The app shall allow: <ul style="list-style-type: none"> <li>• QR code scanning</li> <li>• Photo-based documentation</li> <li>• GPS tagging</li> </ul>	Are there any specifications for QR code labels (waterproof, tamper-proof) considering pond and outdoor conditions	Bidder to propose
37	Section 7.15.15.3 – Data Retention Page:43	The platform must retain: <ul style="list-style-type: none"> <li>- Live data for real-time operations</li> <li>- Historical data for analytics, audits, and advisory modeling</li> </ul>	Kindly specify the data retention period for; <ul style="list-style-type: none"> <li>(a) raw sensor data,</li> <li>(b) aggregated/derived analytics data,</li> <li>(c) AI model outputs, and</li> <li>(d) system logs,</li> </ul> as this impacts storage sizing and cost estimation.	Storage will be provided by OCAC.
38	Section 7.15.14 Page:43-44	AI engine: Predictive analysis, Odia voice interaction, advisories.	Provide data sources for AI training (historical/weather); clarify voice interaction tech (STT/TTS provider)? Is third party API allowed?	As per RFP
39	Section 7.15.15 – Data Management Page:43	7.15.15.1. Secure Storage All sensor readings must be stored in a secure central repository with: <ul style="list-style-type: none"> <li>- Proper indexing for time-series querying</li> <li>- Versioning for configuration changes</li> <li>- Backup and recovery mechanisms</li> </ul>	Kindly clarify whether a data catalog, metadata management, and dataset versioning capability is expected for audit, traceability, and AI model governance.	yes
40	Section 7.15.15 – Data Management and Storage Requirements Page:43	7.15.15.3. Data Retention The platform must retain: <ul style="list-style-type: none"> <li>- Live data for real-time operations</li> <li>- Historical data for analytics, audits, and advisory modeling</li> </ul>	Kindly specify the data retention period for; <ul style="list-style-type: none"> <li>(a) raw sensor data,</li> <li>(b) aggregated/derived analytics data,</li> <li>(c) AI model outputs, and</li> <li>(d) system logs,</li> </ul> as this impacts storage sizing and cost estimation.	Since storage will be provided by OCAC, the storage sizing should not be a concern
41	Section 7.15.16 – Reporting and Analytics Requirements Page:44	Analytics usage across pilot and scale phases	Please confirm whether the number of dashboard users will increase significantly post-pilot, and whether sizing should be done only for the pilot phase or for anticipated scale-out.	Sizing should not be a concern as infra will be provided by OCAC
42	Section 7.15.16 – Reporting and	Standard and advanced analytics reports	Please clarify the expected frequency of report access and downloads (daily/weekly/monthly) and the	The details asked for have no

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	Analytics Requirements Page:44		approximate number of users generating/exporting reports concurrently.	bearing on preparing a proposal.
43	Section 7.15.16.2 – Advanced Analytics Page:44	Comparative and trend-based analytics	Kindly clarify whether advanced analytics dashboards (cross-pond, cross-district, historical trends) are intended for all users or limited to state/district officials only.	All users
44	Section 7.15.16.5 – Performance Requirements Page:45	Platform availability: ≥ 99%	Please confirm whether this mandates any real-time database replication or active-active data architecture, or if periodic backups and asynchronous disaster recovery mechanisms are acceptable.	Vendor to propose
45	Section 7.15.16.5 – Performance Requirements Page:45	Platform performance and response time	Please clarify whether dashboard performance SLAs (response time, refresh rate) are to be met per user session or under peak concurrent user load.	Availability is not user specific
46	Section 7.17 – Integration Requirements Page:46-48	Integration with multiple state and central systems	Kindly confirm whether all listed integrating systems (Krushak Odisha, DBT Portal, SPDP, GIS, Aadhaar Vault) are currently live and API-enabled.	yes
47	Section 7.17 – Integration Requirements Page:46-48	Integration dependencies on external systems	Please clarify whether API specifications, data schemas, authentication mechanisms, and sandbox/test environments for all integrating systems will be provided before development start.	yes
48	Section 7.17 – Integration Requirements Page:46-48	Error handling and failure scenarios	Kindly clarify expected error-handling mechanisms for integration failures (retry logic, reconciliation reports, manual correction workflows).	Bidder to propose as part of solution
49	Section 7.17 – Integration Requirements Page:46-48	Data ownership and synchronization conflicts	Please clarify how data conflicts will be resolved in case of discrepancies between external systems (e.g., Krushak Odisha vs local pond records).	Bidder to propose as part of solution
50	Section 7.17 – Integration Requirements Page:46-48	Data update frequency	Kindly specify the expected data refresh frequency for each integration (near real-time, daily, weekly), to enable appropriate integration design and scheduling.	Will be addressed on case-to-case basis during design stage
51	Section 7.17 – Integration Requirements Page:46-48	Integrations: Aadhaar, DBT, SPDP, CM Dashboard, Krushak Odisha, GIS.	Confirm API endpoints/docs availability and timelines; is OCAC providing sandbox for testing?	yes

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52	Section 7.17.1 – Aadhaar Authentication Framework Page:46	Aadhaar-based authentication and identity integration	Kindly clarify whether Aadhaar authentication is required only during user onboarding, or also during routine system access and analytics consumption.	During onboarding only
53	Section 7.17.3 – Social Protection Delivery Platform Page:47	Integration with SPDP	Please clarify the direction of integration (read-only, write-back, or bidirectional) and the data elements expected to be exchanged with SPDP.	Bi-directional
54	Section 7.17.4 – Aadhaar Vault Integration Page:47	Aadhaar Vault integration for secure identity storage	Please confirm whether only tokenized Aadhaar references are to be stored in the system and whether raw Aadhaar numbers will never flow into analytics or reporting databases.	Raw Aadhaar will never be present in the system for any use. However, for reporting purpose, masked number may be retrieved from Aadhaar data vault of OCAC.
55	Section 7.17.8 – Geographic Information System (GIS) Page:48	GIS integration for spatial analytics	Please clarify whether GIS integration is expected in Phase-1 (pilot) or Phase-2, and whether GIS layers will be consumed via APIs or periodic data feeds.	From Phase 1
56	General	Central platform alerts, farmer advisories & system integrations.	For WhatsApp Business API integration: (a) Expected number of registered farmers/users, (b) Anticipated monthly conversations (utility/marketing/service categories), (c) Peak daily message volume, (d) Who bears WhatsApp conversation charges (Meta BSP fees + platform fees), (e) Approved BSP/vendor list, and (f) Budget allocation for messaging costs.	OCAC will provide the service. Bidder to integrate
57	General	The bidder must have at least 50 full time technical resources (with qualification of M.Tech/B.Tech/ MBA/MCA/MSC(IT)/ BSC(IT)) in its payroll as on March 2025. Copy of the latest EPF deposit challan (any month within after June, 2025 with HR Declaration with qualification and experience.	As per our understanding, Startups registered in odisha would also like to seek an exemption on 50 Full time technical resources and would also like an exemption on EPF deposit challan.	As pe RFP

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58	5.1. Pre-Qualification Criteria, Page# 18	<b>b) Turnover</b> Certificate from CA with Copy of audited Profit & Loss Statement OR Certificate from the Statutory Auditor. The certificate should clearly	Please accept certificate from company secretary too instead of Statutory Auditor.	Refer to corrigendum
59	5.1. Pre-Qualification Criteria, Page# 18	<b>c) Net Worth</b> Certificate from the statutory auditor or Internal auditor	Please accept certificate from company secretary.	Refer to corrigendum
60	5.1. Pre-Qualification Criteria, Page# 18	<b>d) Manpower</b> Copy of the latest EPF deposit challan (any month within after June, 2025 with HR Declaration with qualification and experience.	Please accept HR declaration instead of EPF deposit challan as EPF challan is a personal identifiable information and as per DPDP act, can not be submitted.	Refer to corrigendum
61	5.1. Pre-Qualification Criteria, Page# 18	<b>g) OEM of IoT Device capability</b>  Copy of the work order/ completion certificate as documentary proof.	As some of the projects are under NDA, it is not feasible to share the customer artifacts (Work order / Completion certificate from client). Hence the bidder requests the following 1. Please allow to submit anonymize project citations. 2. Please accept self-certificate signed by authorized signatory / Company Secretary stating the relevant experience details as a documentary evidence.	As per RFP
62	5.1. Pre-Qualification Criteria, Page# 19	<b>i) e-Governance Experience</b>  § Copy of the Work Order only Software § Project completion/Phase Completion/UAT or go-live certificate.	As some of the projects are under NDA, it is not feasible to share the customer artifacts (Work Order only Software and Project completion/Phase Completion/UAT or go-live certificate). Hence the bidder requests the following 1. Please allow to submit anonymize project citations. 2. Please accept self-certificate signed by authorized signatory / Company Secretary stating the relevant experience details as a documentary evidence.	As per RFP
63	5.2. Technical Evaluation Criteria, Page# 21	<b>5.2.1 Organization Profile [15 Marks]</b> <b>a) Average sales turnover of the Bidder from IT/ITeS/ESDM business in last 3 years (2022-2023,2023-2024 &amp; 2024-2025)</b> <b>Copy of audited Profit and Loss Statement OR Certificate from the Statutory / Internal Auditor</b>	Please accept certificate from company secretary too instead of Statutory Auditor.	Refer to Corrigendum

SL#	RFP Document Reference	Content of RFP requiring Clarification	Points of Clarification	Response from OCAC
64	5.2. Technical Evaluation Criteria, Page# 22	<b>5.2.1 Organization Profile [15 Marks]</b>  <b>b)</b> Copy of the latest EPF deposit challan & HR Declaration with list	Please accept HR declaration instead of EPF deposit challan as EPF challan is a personal identifiable information and as per DPDP act, can not be submitted.	Refer to Corrigendum
65	Fact Sheet #5 (QCBS)	“Joint Venture or SubContracting or Consortium is not allowed.” .	Please confirm whether engaging an OEM for sensors via bid specific authorization (no consortium agreement) is acceptable, and whether using OEM field engineers for installation/calibration is treated as “subcontracting.” .	Refer to Corrigendum
66	8.5. Payment Terms (Page 58) point c	70% cost of IoT devices after supply and installation. Balance 30% shall be paid after integration with the application and discovery of the device at the portal	We recommend that clause may be modified as 100% cost of IoT devices after supply and installation. This a pass through cost to OEM which TCS has to pay upfront.	No Change. Vendor need to demonstrate utility of the device before full payment.
67	7.15.7. Real-Time Data Capture - 40	The system shall capture real-time water quality readings from the installed sensors. Each sensor must collect data at predefined intervals and ensure high accuracy and stability under field conditions. The bidder has to factor the connectivity (like SIM) charges on yearly basis.	SIM/SMS charges will be borne by OCAC/Odisha Govt. Please confirm.	Bidder
68	6.4. Limitation of Liability Page: 27	<b>6.4. Limitation of Liability</b> Except in cases of gross negligence or willful misconduct: - <b>a.</b> neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier/ selected bidder to pay liquidated damages to the Purchaser; and <b>b.</b> Maximum liability of the bidder for this project will be limited to the total value of the contract or the amount actually paid to the bidder whichever is lower and will not	<b>6.4. Limitation of Liability</b>  <del>Except in cases of gross negligence or willful misconduct:--</del> <b>a.</b> neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, <u>exemplary or punitive damages whether in contract, tort or other theories of law, even if such party has been advised of the possibility of such damages,</u> <del>provided that this exclusion shall not apply to any obligation of the supplier/ selected bidder to pay liquidated damages to the Purchaser;</del> and <b>b.</b> Maximum <u>cumulative</u> liability of the bidder <u>and</u>	As per RFP

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		include any indirect or consequential clause or damage, loss or profit, data or revenue.	<p>Purchaser for this project <del>will be</del> shall not exceed in the aggregate the total amount paid to Bidder by the Purchaser during twelve (12) months under that applicable work order immediately preceding the claim that gives rise to such liability; provided, however, that this limitation shall not apply to any liability for damages arising from (a) gross negligence or willful misconduct <del>limited to the total value of the contract or the amount actually paid to the bidder whichever is lower</del> and will not include any indirect or consequential clause or damage, loss or profit, data or revenue.</p> <p>c. The Bidder shall be excused and not be liable or responsible for any delay or failure to perform the Services or failure of the Services or a Deliverable under this Agreement to the extent that such delay or failure has arisen as a result of any delay or failure by the Purchaser or its employees or agents or third party service providers to perform any of its duties and obligations as set out in this Agreement and the applicable Statement of Work. In the event that the Bidder is delayed or prevented from performing its obligations due to such failure or delay on the part of or on behalf of the Purchaser, the Bidder shall be allowed an additional period of time to perform its obligations and unless otherwise agreed the additional period shall be equal to the amount of time for which Bidder is delayed or prevented from performing its obligations due to such failure or delay on the part of or on behalf of the Purchaser. Such failures or delays shall be brought to the notice the Purchaser and subject to mutual agreement with the Purchaser, the Bidder shall take such actions as may be necessary to correct or remedy the failures or delays. The Bidder shall be entitled to invoice the Purchaser for additional costs incurred in connection with correction or remedy.</p>	
69	6.5. Indemnity Page 27	<b>6.5. Indemnity</b> a. The System Integrator shall indemnify the Purchaser from and against any costs,	<b>6.5. Indemnity</b> a. The System Integrator shall indemnify the Purchaser	As per RFP

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		<p>loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of: • Any negligence or wrongful act or omission by the Solution Provider or any third party associated with Solution Provider in connection with or incidental to this Contract or; • Any breach of any of the terms of this Contract by the Solution Provider, the Solution Provider's Team or any third party • Any infringement of patent, trademark/copyright arising from the use of the supplied goods and related services or any party thereof</p> <p><b>b.</b> The Solution Provider shall also indemnify the Purchaser against any privilege, claim or assertion made by a third party with respect to right or interest in, service provided as mentioned in any Intellectual Property Rights and licenses.</p> <p><b>c.</b> All indemnification obligations shall be subject to the Limitation of Liability clause.</p>	<p>from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during <del>and after</del> the Contract period out of: <del>• Any negligence or wrongful act or omission by the Solution Provider or any third party associated with Solution Provider in connection with or incidental to this Contract or; • Any breach of any of the terms of this Contract by the Solution Provider, the Solution Provider's Team or any third party</del> • Any <u>third party claims of</u> infringement of patent, trademark/copyright arising from the use of the supplied goods and related services or any party thereof</p> <p><b>b.</b> The <u>System Integrator Solution Provider</u> shall also indemnify the Purchaser against any privilege, claim or assertion made by a third party with respect to right or interest in, service provided as mentioned in any <u>Intellectual pProperty rRights and licenses</u>.</p> <p><b>c.</b> All indemnification obligations shall be subject to the Limitation of Liability clause.</p> <p><b>d.</b> <u>Bidder shall have no obligations with respect to any Infringement Claims to the extent that the Infringement Claim arises or results from: (i) Bidder's compliance with PURCHASER's specific technical designs or instructions; (ii) inclusion in a Deliverable of any content or other materials provided by PURCHASER and the infringement relates to or arises from such PURCHASER materials or provided material; (iii) modification of a Deliverable after delivery by Bidder to PURCHASER if such modification was not made by or on behalf of the Bidder; (iv) operation or use of some or all of the Deliverable in combination with products, information, specification, instructions, data, materials not provided by Bidder; or (v) use of the Deliverables for any purposes for which the same have not been designed or developed or other than in accordance with any applicable specifications or documentation provided under the applicable Statement of Work by the Bidder; or (v) use of a superseded release of some or all of the Deliverables or PURCHASER's failure to use any</u></p>	

SL#	RFP Document Reference	Content of RFP requiring Clarification	Points of Clarification	Response from OCAC
			<p><u>modification of the Deliverable furnished under this Agreement including, but not limited to, corrections, fixes, or enhancements made available by the Bidder.</u></p> <p><u>e. Infringement Indemnity by Purchaser . The PURCHASER will defend, indemnify and hold harmless the Purchaser, applicable Purchaser affiliates (“Purchaser Indemnified Party”) from and against any third party suit, proceedings damages, judgments, cost and expenses (including reasonable attorney fees) relating to any infringement claim by a third party to the extent based on any PURCHASER materials provided to Purchaser by or on behalf of PURCHASER or the access and use by Purchaser of any PURCHASER provided software or material in connection with Purchaser’s performance of Services hereunder without breaching the terms of this Agreement.</u></p> <p><u>f. In the event that PURCHASER is enjoined or otherwise prohibited, or is reasonably likely to be enjoined or otherwise prohibited, from using any Deliverable as a result of or in connection with any claim for which Purchaser is required to indemnify PURCHASER under Section 7.1 according to a final decision of the courts or in the view of Purchaser, Purchaser, may at its own expense and option: (i) procure for PURCHASER the right to continue using such Deliverable; (ii) modify the Deliverable so that it becomes non-infringing without materially altering its capacity or performance; (iii) replace the Deliverable with work product that is equal in capacity and performance but is non-infringing; or (iv) If such measures do not achieve the desired result and if the infringement is established by a final decision of the courts or a judicial or extrajudicial settlement, the Purchaser shall refund the PURCHASER the fees effectively paid for that Deliverable by the PURCHASER subject to depreciation for the period of Use, on a straight line depreciation over a 5 year period basis. The foregoing provides for the entire liability of the Purchaser and the exclusive remedy of the PURCHASER in matters related to infringement of third-party intellectual property rights.</u></p>	

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			<p><u>g. Additional Provisions for Indemnification A party shall not be entitled to seek any indemnification from the other party unless such party provides the other party with (i) prompt written notice of any claim, demand or action for which such party is seeking or may seek indemnification hereunder and gives the indemnifying party the right to have sole control over the defense and settlement negotiations; (ii) does not make any statement or admission in relation to such claim which may prejudicially affect the chances of settlement or defense of such claim; (iii) reasonably cooperate with the indemnifying party in assisting the defense of the claim and in the negotiations or settlements of any such claim, demand or action by providing all assistance and information to perform the above obligations; and (iv) allow the other party, at its own expense, exclusively defend such litigation, negotiations and settlements with counsel of its own choosing. The indemnifying party shall not have the right to settle any claim if such settlement contains a stipulation to, or an admission or acknowledgement of, any wrongdoing (whether in tort or otherwise) on the part of the indemnified party.</u></p>	
70	5.1- Pre-Qualification Criteria i). e-Governance Experience, Page 19	The bidder must have successfully executed similar e-Governance projects for a Government Department, Government Agency, or Public Sector Undertaking (PSU) in India within the last ten (10) years as of the bid submission date. The bidder shall meet any one of the following minimum project value criteria: a. At least one project with a value of ₹3 Crore or above, OR b. At least two projects, each with a value of ₹2 Crore or above, OR c. At least three projects, each with a value of ₹1 Crore or above. For Odisha-registered Startups, the minimum eligible project value shall be: a) At least one project with a value of ₹2.4 Crore or above, OR	<p><b>i.</b> Request inclusion of "Government or Public Utility Projects executed globally or in partnership with Indian agencies".</p> <p><b>ii.</b> Request Similar terminology for projects to include "Digital transformation, telemetry, IoT integration, cloud migration, analytics, SCADA uplift".</p> <p><b>iii.</b> Can Overall Project Costs be considered as Cumulative project value OR portfolio value, rather than only independent projects? Please clarify.</p> <p><b>iv.</b> Request to Allow "Phase Completion Certificates" explicitly as full compliance.</p>	As per RFP

SL#	RFP Document Reference	Content of RFP requiring Clarification	Points of Clarification	Response from OCAC
		<p>b) At least two projects, each with a value of ₹1.6 Crore or above, OR</p> <p>c) At least three projects, each with a value of ₹80 Lakh or above.</p> <p>For the purpose of this requirement, a similar category e-Governance project shall include any one or more of the following:</p> <p>a. Development and implementation of a software application, including mobile applications.</p> <p>b. Deployment of IoT devices along with operational software developed by the bidder.</p> <p>c. Supply and integration of hardware that is operated through software developed by the bidder. The total order value of each project shall be considered for evaluating eligibility.</p>		
71	5.1 (d). IoT integration experience, Page 20	The bidder should have successfully completed at least one application with integration of at least 100 IoT devices for any Government Department or Government Agency or PSU in India during last 10 years as on bid submission date	<p><b>1. Request to Modify “100 IoT devices” requirement to reflect:</b> "Experience with large scale IoT programs — 100+ OR evidence of scalable platform supporting 1,000+ devices."</p> <p><b>2. Request to Allow integration experience through:</b> Cloud platform uplift, device onboarding frameworks, telemetry ingestion pipelines, and multi protocol IoT integration, even when the devices are not physically installed by the bidder.</p>	Refer to Corrigendum