Prebid queries response set 2-
on Design, Supply, Installation, Operational and Maintenance of Integrated Digital Platform on Climate Resilient Agriculture (PoCRA)
RFB No: IN-MAHAPoCRA -102980, RFB Issued on :01st March 2019

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
1	SECTION II, ITB 11.3 (d)	41	Details of Satellite data procurement	Please clarify the exact requirement	Please refer scope of work in the RFB document Page No.123
2	ITB 35.1Rated criterion will be used in evaluation as per formula stipulated in Para 3.2 of SectionIII	47	The weight 'X' for the Price in the said formula is 70% (or 0.7) and the weight for the Technical features is 30% (or 0.3).	In case of QCBC Selection, the most common & effective QCBS (Technical weight-age: Financial weight-age) ratios are 60:40, 70:30 & 80:20. So what is your thought process behind keeping the Weightage ratio as 70% for Commercial and 30% for Technical?	Not Relevant
3	SECTION II - BID DATA SHEET (BDS)ITB 51	49	The proposed Adjudicator is: Prof Jagarlapudi Adinarayana His resume is attached as Annexure – I at the end of the RFB. The proposed fee per day of effective hearing is INR 15,000/- plus actual expenditure towards travel, transportation, lodging and boarding which is determined reasonable.	The proposed Adjudicator is single person - Prof Jagarlapudi Adinarayana , why there is no committee formed ?	RFB Condition prevails
4	1. Bidder's Experience	51	Experience in development & maintenance of digital platforms or large integrated platform based projects in last ten (10) years from the date of submission of bid. Value of project to be at least of INR 15 crores.	As Work Order/PO are confidential with clients' and under NDA, is the vendor allowed to provide a signed SoW document or masked Work Order/PO ? Please suggest the alternatives in case some information needs to be hidden/masked in the Work order or Po.	1) Bidders own declaration of Scope of work is not acceptable. 2) Bidder must provide adequate information required as per the clause.
5	SECTION III - EVALUATION AND QUALIFICATION CRITERIA 1.1	51	Experience in development & maintenance of digital platforms or large integrated platform based projects	Request the department to consider ongoing projects with similar experience for the same.	RFB conditions prevails

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	Bidder's Experience/ Page No. 51		in last ten (10) years from the date of submission of bid. Value of project to be at least of INR 15 crores.		
6	1.1. Bidder's Experience	51	Experience in development & maintenance of digital platforms or large integrated platform based projects in last ten (10) years from the date of submission of bid. Value of project to be at least of INR 15 crores. 3 citations (at least 1 should be successfully completed) = 5 marks, 2 citations (at least 1 should be successfully completed) = 2 marks, 1 citation (successfully completed) = 1 mark 3 additional marks if one of the above citations is in agriculture/Climate resilient and watershed management project	Request you to consider the Value of project from multiple Purchase Order issued for same project & scope. Hence we request you to consider Bidder shall furnish signed affidavit by a person authorized by the Board of directors of company for evaluation.	RFB Condition prevails
7	SECTION III - EVALUATION AND QUALIFICATION CRITERIA 1.1 Bidder's Experience/ Page No. 52	52	Experience in System Integration projects (including Infrastructure procurement) during the last ten years from the date of submission of bid. Value of project to be at least of value INR 15 crores	Request the department to consider ongoing projects with similar experience for the same.	RFB conditions prevails
8	SECTION III - EVALUATION AND QUALIFICATION CRITERIA 1.1 Bidder's Experience/ Page No. 52	52	Experience of at least one project in Agriculture/ Climate resilient and watershed management projects	Request the department to consider ongoing projects with similar experience for the same.	RFB conditions prevails

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9	1.1. Bidder's Experience	52	Experience in System Integration projects (including Infrastructure procurement) during the last ten years from the date of submission of bid. Value of project to be at least of value INR 15 crores *5 citations (at least 1 should be successfully completed) = 5 marks,* *3 citations (at least 1 should be successfully completed) = 3 marks,* *1 citation (successfully completed) = 1 mark* 2 additional marks if project implemented in agriculture domain under state or central government	Request you to consider the Value of project from multiple Purchase Order issued for same project & scope. Hence we request you to consider Bidder shall furnish signed affidavit by a person authorized by the Board of directors of company for evaluation.	RFB Condition prevails
10	SECTION III - EVALUATION AND QUALIFICATION CRITERIA 1.1 Bidder's Experience/ Page No. 53	53	Experience of handling and delivering high value project in the agriculture / Climate resilient domain and watershed management projects Project cost more than Rs. 30 Cr = 4 marks Project cost upto Rs.15 Cr = 3 marks Project cost upto Rs. 5 Cr = 2 marks Project cost upto Rs. 2 Cr = 1 mark	Kindly clarify marks allotted for project cost where project cost is more than Rs. 15 Cr and upto 30 Cr.	Experience of handling and delivering high value project in the agriculture / Climate resilient domain and watershed management projects Project cost more than Rs. 15 Cr = 4 marks Project cost up to Rs.15 Cr = 3 marks Project cost up to Rs. 5 Cr = 2 marks Project cost up to Rs. 2 Cr = 1 marks
11	1.1.1	54	Use Case Submission	The use case for mobile app PoC is not clear. Please define the scope of PoC for mobile apps. Else, it will be assumed that the vendor is free to consider the scope from their side.	The bidder needs to provide use case in the technical bid. In the Revised RFB document there is no POC.
12	SECTION III , 2 - 4. Resource	57	Minimum 8 resources to be deployed full time for the complete project period (Five years from Go live) at PoCRA NOC for successful	Please clarify whether all the manpower requirement is for business hours or 24x7.	Business hours of PoCRA

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	Deployment Plan		implementation and monitoring of the project		
13	SECTION III - EVALUATION AND QUALIFICATION CRITERIA tegrated al Platform for Pro 2.3 FINANCIAL SITUATION 2.3.2 Average Annual Turnover Page No.62 ject on Climate Resilie	62	Annual turnover of at least Rs. 200 Crores from IT Services (Design and development of digital platform, software application, mobile application development, cloud solution deployment supply of hardware, development of software applications, system integration, providing networking support, operational and maintenance services for IT infrastructure) in any of the last three audited financial years (FY 16, FY 17 and FY 18). **nt Agriculture (PoCRA)**	Requesting the department to modify the clause as below: **Annual turnover of at least Rs. 150 Crores from IT/ITES/GIS Services (Design and development of digital platform, software/web-based application, mobile application development, cloud solution deployment supply of hardware, development of software applications, system integration, providing networking support, operational and maintenance services for T/ITES/GIS infrastructure)** in any of the last three audited financial years (FY 16, FY 17 and FY 18).	RFB Condition prevails
14	2.4.2	63	The Bidder (or partner providing the System Integration component of scope of work) should have experience of at least THREE digital platform deployment Projects. The Bidder's scope of work in each of the 3 Projects should include following components: a) Design development and maintenance of digital platform b) Hosting and development of Cloud solutions c) Mobile application development and maintenance d) Big Data & Analytics e) Hardware procurement, deployment,	The Bidder (or partner providing the System Integration component of scope of work) should have experience of at least THREE digital platform deployment Projects. The Bidder's scope of work in each of the 3 Projects **should include any 3 scope from** following components: a) Design development and maintenance of digital platform b) Hosting and development of Cloud solutions c) Mobile application development and maintenance d) Big Data & Analytics	RFB Condition prevails

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			f) Data Centre or DR Site setup or Server(s) deployment and commissioning, operation and maintenance of related infrastructure	e) Hardware procurement, deployment, f) Data Centre or DR Site setup or Server(s) deployment and commissioning, operation and maintenance of related infrastructure	
15	SECTION III - EVALUATION AND QUALIFICATION CRITERIA 2.4 EXPERIENCE /2.4.1 General Experience Page No. 71	63	Experience in Information Systems Design, and/or Supply and/or Installation contracts in the role of prime contractor, JV member, subcontractor, or management contractor for at least the last 3years, starting 1st January 2016. | All Members Combined	N/A | | --- | --- |	Requesting the department to modify the clause as: Experience in Information Systems Design, and/or Supply and/or Installation contracts in the role of prime contractor, JV member, subcontractor, or management contractor for at least the last 3years, starting 1st January 2016 | All Members Combined	Must meet the criteria jointly		RFB conditions prevails
16	SECTION III - EVALUATION AND QUALIFICATION CRITERIA 2.4 EXPERIENCE /2.4.2 Specific Experience Page No. 63	63	The Bidder should have experience of at least THREE digital platform deployment Projects. The Bidder's scope of work in each of the 3 Projects should include following components: a) Design development and maintenance of digital platform b) Hosting and development of Cloud solutions c) Mobile application development and maintenance d) Big Data & Analytics e) Hardware procurement, deployment, f) Data Centre or DR Site setup or Server(s) deployment and	We request you to kindly consider experience of ongoing projects as well.	RFB conditions prevails

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			commissioning, operation and maintenance of related infrastructure		
17	2.5.1 Certificate of Capability Maturity Model (CMM) level 5 Certificate of Capability Maturity Model (CMM) at Level 5/Page No.65	65	Certificate of Capability Maturity Model (CMM) at Level 5	Considering the project scope, CMM level 3 companies are also competent enough to bid for the project. **Requesting the department to kindly relax the clause and allow participation of CMM level 3 as well.**	RFB Condition prevails
18	Financial Part 3.1 Financial Evaluation/"C6" = Satellite / UAV data pre-processing cost for 100 Sq KM for one composite image	66	Financial Evaluation/"C6" = Satellite / UAV data pre-processing cost for 100 Sq KM for one composite image	Requesting the department to consider UAV pre-processing cost as a separate component as UAV data processing is different from satellite data processing.	RFB conditions prevails
19	Financial Part 3.1 Financial "C5" = Comprises of: Man-month Rate for Software Development and Modification (M)	66	Financial "C5" = Comprises of: Man-month Rate for Software Development and Modification (M)	It is understood that the bidder has to quote for 200 man months of rate in the financial bid. Please confirm.	No, Bidder should quote one-man months rate
20	Section III58	66	Financial Evaluation	Evaluated Bid Price (C): C1 + C2 + C3 +C4+(C5 X 200) + (C6 X 1,000) does not includes the price of warranty and operations and maintenance phase ?	C1 and C2 cost already include the price of warranty and operations and maintenance phase
21		66	3.1 Financial Evaluation Evaluated Bid Price (C): C1 + C2 + C3	Payment schedule for complete project duration should be included in RFB.	Please Refer Payment Section, GCC12.1 Page 427

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			+C4+(C5 X 200) + (C6 X 1,000) Please Note:		
22	SECTION III - EVALUATION AND QUALIFICATION CRITERIA 2. Qualification Section IV – Bidding Forms Form CON – 2 Historical Contract Non-Performance and Pending Litigation 2.2.1 History of non-performing contracts 2.2.3 Pending Litigation 2.2.4 Litigation History Form CON – 2	77	form con-2	The Information being asked in the form is highly confidential and we cannot share such details of our other contracts and client names under this RFB.	RFB Condition prevails
23	Section IV – Bidding Forms Form CCC-> Summary Sheet: Current Contract Commitments / Work in Progress	82	Bidders and each member to an Joint Venture bid should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued. - Data Points includes the data points like - Value of outstanding Information System (current US$ equivalent)	Information being asked to fill up in form is highly confidential, so Infosys proposes to delete this form from the RFB.	RFB Condition prevails

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24	2.3.1	83	(a) Must reflect the financial situation of the Bidder or member to a JV, and not sister or parent companies	We request you to consider Parent company having 100% on subsidiary ownership Financial situation to be consider for emulation.	RFB Condition prevails
25	Appendix to Financial Part: Price Schedules3.1, 3.2 , complete section 3	104	commercial forms	The Commercial templates does't have year wise break up, Supplier needs to submit total contract duration prices together ?	Supplier need to submit total contract duration prices
26	General Farmer Engagement and feedback system	106	Farmer Engagement and feedback system	1.As per the detailed specification we understand that call center and helpdesk application will be part of Farmer engagement and feedback system but as per pre bid response the same will be provided by client and only integration to be considered by SI.Kindly confirm 2.As per pre bid response the Call center and helpdesk solution with manpower will be arranged by client .Kindly confirm.	Confirmed
27	SECTION III 3.1 C2	108	Implementation of 100 IoT units in 50 Farms in the project area identified by PoCRA.	One IoT unit consist of an IoT device with multiple sensors connected to it. If yes, then how many sensors needed to be connected to one IoT device? Each farm will have Avg. 2 IoT devices? Is our understanding correct?	Solution need to be provided by the selected bidder. Bidder need implement Minimum 2 IOT device in each farm
28	Annexure II , 2. Scope of Work	123	The proposed Integrated Digital platform will be developed on an Open source and Open standards-based platform with features of standardizations, openness, scalability and security inbuilt for all the applications hosted on the platform.	Can we have a hybrid approach of development using a combination of Open source & proprietary product	Solution need to be on an Open source and open standards - based platform.

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29	SCOPE OF WORK, 2. Scope of work	123	Apart from building these applications, Supplier has to host these applications on the cloud and also host and migrate other PoCRA applications on the envisaged PoCRA platform	As per our understanding, only the below 4 systems are supposed to be migrated: 1.PoCRA DBT application 2.Farmers Field school 3.Micro Level Planning 4. Financial Monitoring System Please confirm our understanding	Supplier need to migrate below mentioned application :- 1. PoCRA DBT application 2. Farmers Field School 3. Micro Level Planning 4. Financial Monitoring System 5.Staff Monitoring Application Above applications have limited functionalities. They need to be further developed for meeting FRS or designed and developed afresh by supplier.
30	SCOPE OF WORK, 2. Scope of work	123	Supplier has to design and build various channels for accessing the portal like web portal, mobile application, etc. and Need to provide the application to Manage the call center. Multi-Channel delivery of services is one of the most critical success factor for this platform. The beneficiaries would access the portal and app using mobile devices, desktops, tablets, IVR and other identified channels	As per our understanding only the CRM interface for the existing call centre agents is required to be designed. There is no requirement of implementing the Call Centre Solution or IVR solution. Please confirm.	Supplier need to provide CRM interface and view access of applications to call centre agents. Call centre application is not in the scope of work.
31	SCOPE OF WORK, 2. Scope of work	123	The proposed Integrated Digital platform will be developed on an Open source and Open standards-based platform with features of standardizations, openness, scalability and security inbuilt for all the applications hosted on the platform.	Since this is a very new area of Digitization of Agriculture platform. Does the Customer's technical team is already evaluating any such platforms or have a standard reference in the country/worldwide, if so we like to know more details about them?	Supplier need to design the solution as per their understanding
32	SCOPE OF WORK, 2. Scope of work	123	The PoCRA digital platform is envisaged as a 100% API driven architecture built with open standards to ensure openness, multi-user	Is it going to be a purely API driven/ should we say mostly API, as we need an integrated and open standard based	1) Yes, it will be purely API driven approach. 2)Mobile/Tablet/Laptop/Desktop

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			ecosystem, specific vendor/system independence, scalability and providing other ecosystem players to build applications that can be plugged to the platform and can be accessed from multiple devices.	application? Secondly what are the devices we are targeting the application to be available? Thirdly Need more clarity on what features to be available and any limitations? Fourth point: Also, it must be a role based dash board/ access driven? Fifth Point: If yes what are the roles we are talking about here?	3) Please refer FRS section in the RFB. 4) It must be roll based & access driven dash board 5) It will be provided to the selected bidder
33	SCOPE OF WORK, 2. Scope of work	123	The selected Supplier will design, build, deploy, host and maintain an Integrated Digital platform for PoCRA, hosted on cloud, that will serve as a dynamic agriculture suite with multiple applications (applications would be built by Supplier and other third party/existing applications also need to be plugged to the Platform by Supplier), System Software needed to host applications and other components as listed in this document. The Supplier will also build all necessary channels like the Web Portal, Mobile Applications, Call Centre, etc.	1. As per the Pre Bid Response "The development and implementation of Help desk & call centre is not in the scope of revised RFB " **Kindly clarify the requirement mentioned in the clause" The Supplier will also build all necessary channels like the Web Portal, Mobile Applications, Call Centre, etc."** 2. Kindly explain the clause with respect to call centre (what are all the services to be considered)	Development of the call centre application is not in the scope of Supplier. Supplier need to provide CRM interface and view access of applications to call centre agents.
34	Scope of Work 2. Scope of Work/ Page No.123	123	The proposed Integrated Digital platform will be developed on an Open source and Open standards-based platform with features of standardizations, openness, scalability and security inbuilt for all the applications hosted on the platform.	Since the application would contain a large amount of data, open source development is quite uncertain when it comes to data security. equesting the department to keep this activity platform based for better efficiency of the work.	As per the RFB Solution need to be on an Open source and open standards - based platform.
35	Scope of Work	123	Open API's and SDK's	Kindly explain the requirement of open API's and SDK's.	Supplier has to develop the required API & SDK to fetch data from various sources listed in RFB. Format of API & SDK will depend on type of source from where data will be fetched and pushed.

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					Supplier need to identify the same and provide the solution for it.
36	Scope of Work The selected Bidder/JV will design, build, deploy, host and maintain an Integrated Digital platform for PoCRA, hosted on cloud.	123		It is understood that all application, Helpdesk solution and other solution asked in the RFB need to host on cloud. Please confirm. Then why DC and DR are required?? Kindly explain.	Yes, all the application need to be hosted on cloud. DC & DR are required as per the guidelines provided by DIT, GoM in the Cloud GR
37	Annexure II, 2. Scope of Work	124	DCN should contain GSM/GPRS/4G transmission so as to upload data to the cloud.	DCN will be able to transfer data to cloud on the availability of network coverage	Yes
38	Annexure II ,2. Scope of Work	124	Bidder/JV also be responsible for processing the data of IOT devices which in near future implemented by department at fields or by other appointed vendor by the department or directly IOT device implemented by the Framer and will also provide advisory to the Farmers.	As per our understanding IoT device to sense Soil Moisture & Temperature is required. Please specify the types of other IoT devices/sensors that would be implemented in near future, if any?	Supplier will be responsible only for processing the data of the IOT devices which in near future implemented by the department or directly IOT device implemented by the Framer.
39	Annexure II ,2. Scope of Work	124	The Bidder/JV will be responsible for acquiring multi-spectral satellite imagery with 5m or better geo- resolution and temporal resolution should not be more than 10 days for optical data.	What is the significance/meaning of 10 days? Is it the time period of image submission after acquisition or it's a period of the next update? What is the purpose of imagery with 5 mtr resolution? Is it only require for crop mapping? please elaborate.	Kindly refer scope of work
40	Annexure II ,2. Scope of Work	124	Output of the crop map generated by the satellite image should be very precise and accurate within the acceptable limit of minimum 80%.	Accuracy depends on the quality of image which is affected due to cloud cover especially during monsoon. In such cases accuracy may not be	Supplier should provide the solution

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				guaranteed What are the types of data that needs to be captured for crop management…as the satellite image resolution will be decided on the basis of type of data.	
41	Annexure II ,2. Scope of Work	124	Output of the crop map generated by the satellite image should be very precise and accurate within the acceptable limit of minimum 80%.	Is the Land use /land cover data capture is under the scope of this project? If yes then what is the source of the data?	Land use / Land cover data mapping is not in the scope of supplier.
42	Annexure II ,2. Scope of Work	124	The Bidder/JV should prepare the time schedule indicating frequency of the procurement of satellite image data based on agro-climatic zone (area)	It is recommended to procure toposheets (with at least 1:25000 scale) for a study area. Client would make it available from Survey of India. Please confirm.	Not required
43	SCOPE OF WORK,2. Scope of Work /IOT- based Irregation	124	The IOT sensor data must be uploaded to a cloud-based storage. Suitable control systems which will actuate the pump based on the irrigation schedule prescribed by the algorithm should be set up. Alert system via SMS must be in place to inform the farmer about equipment failures, timing and volume of irrigation. The farmer must also be able to enquire about irrigation conditions in the farm via the SMS facility and should also be able to switch the pump ON and OFF.	Could you throw some light on the algorithm? What is the validation criteria, processing mechanism, inputs and outputs expected out of this algorithm?	Supplier needs to develop the algorithm / solution. Suppler need to provide the solution in Approach and Methodology
44	SCOPE OF WORK,2. Scope of Work /IOT- based Irrigation	124	Sensors need to be powered and fitted with hardware to transmit data to the Data Collection Node (DCN) using LoRa or GSM network.	Any specific requirement for GSM/LoRA network. Is Govt. is also talking to any OEM here?	Supplier need to provide solution
45	SCOPE OF WORK,2. Scope of Work /IOT- based Irrigation	124	Setup a water pump mechanism regulated by a micro-controller/controller. The controller should be regulated by the algorithm and by the farmer via the SMS delivery system or mobile application	Is the controller needs to be fully automated or manual or both. On Off decision criteria is not mentioned here. Please give the details.	Controller need to be both fully automated and manual. Water pump procurement is not in the scope of work of supplier.

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				Water pump will be arranged by client. Kindly Confirm	
46	Annexure II ,2. Scope of Work	124	he agency should prepare the time schedule indicating frequency of the procurement of satellite image data based on agro climatic zone (area).	Who is responsible for the procurement of image that would be used for periodical update. What is the exact frequency of updation. What if the updated images are not available as per the image update schedule?	Supplier will be responsible for the Procurement of images. Supplier need design the frequency as per the solution and minimum requirement of RFB
47	3. Highlights of scope of work	125		Is there any payment gateway integration existing/required in the roadmap for mobile app?	Yes
48	3. Highlights of scope of work	125		Is there any SMS gateway integration existing/required in the roadmap for mobile app?	Yes
49	3. Highlights of scope of work	125		Does the client have a payment gateway or is the vendor expected to procure and add in the overall commercials for mobile app?	PoCRA will Procure the payment gateway. Supplier will be responsible for integration of the payment gateway.
50	3. Highlights of scope of work	125		Does the client have a SMS gateway or is the vendor expected to procure and add in the overall commercials?	Supplier need to Procure SMS gateway as per Latest GR issued by government of Maharashtra
51	3. Highlights of scope of work	125		Is there any e-mail gateway integration existing/required in the roadmap for mobile app for mobile app?	yes
52	3. Highlights of scope of work	125		Does the client have an email gateway or is the vendor expected to procure and add in the overall commercials for mobile app?	Supplier need to Procure e-mail gateway as per Latest GR issued by government of Maharashtra
53	SCOPE OF WORK4.1 PoCRA Digital Platform	126	It attempts to superimpose all these information with crop data through NDVI images, GIS mapped structures such as farm ponds etc.	Scope of GIS mapping is not defined. Pls define the mapping scope for the structures.	Base map will be provided by PoCRA. Supplier need to superimpose all the satellite derived & Geo tag information on base map

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54	Annexure II ,2. Scope of Work	132	The platform should enable multi-channel delivery of services via Web portal, mobile application, call Centre, SMS, IVR and other channels to enable inclusion and participation from varied stakeholders	The scope of digital channel is limited to following only: - Web Portal - Mobile App - Call Centre - SMS - IVR - Another Channel (Please Specify)	The platform should enable multi-channel to deliver of the services as listed and not limited. Supplier need to enable the new service delivery which involve in near feature.
55	Annexure II, 4.1.5	133	The procurement of various satellite image data will be done by the successful bidder i.e. agency	Necessary permission for procuring very High-Resolution Satellite image shall be arranged by client	Support can be provided by the PoCRA as a when required by supplier
56	4.1.5 Technological Requirements of the Platform for Internet of Things (IoT)	133	**1. Internet of Things (IoT) Device based Data Collection:** Such a platform must utilize IoT devices in the field to collect as much data across domains as possible. Such IoT devices should be configurable to suit different implementation. Limited intelligence may be stored on the IoT devices to infer the collected data. The devices should be able to be integrated with intermediary devices as well as network devices at the data centre. Data from the IoT devices should be transmitted to the cloud	Internet of Things (IoT) Device based Data Collection: Such a platform must utilize IoT devices in the field to collect as much data across domains as possible. Such IoT devices should be configurable to suit different implementation. Limited intelligence may be stored on the IoT devices to infer the collected data. The devices should be able to be integrated with intermediary devices as well as network devices at the data centre. Data from the IoT devices should be transmitted to the cloud. <We request to include below cloud platform requirements in RFB to be able to have requisite capabilities to handle / support IoT services> Bidder should propose a Cloud Services Platform that has following features to support Internet of Things:	RFB Condition prevails

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				• Allows to easily connect devices to the cloud and to other devices. Supports HTTP, WebSockets, MQTT and other industry-standard and custom protocols such that devices can communicate with each other even if they are using different protocols. Provides authentication and end-to-end encryption throughout all points of connection, so that data is never exchanged between devices and IoT platform without proven identity. Secure access to devices and applications by applying policies with granular permissions. • Rules Engine to filter, transform, and act upon device data on the fly, based on defined business rules. Ability to update rules to implement new device and application features at any time. Provide a service to maintain a virtual representation of a device. The service should act as a message channel to send commands reliably to a device and store the last known state of a device in the IOT platform. Provide a service for for storing and querying a predefined set of attributes related to each thing. The service should support creation of a holistic management view for an IoT solution to control the associations between things, shadows, permissions, and identities. • Store the latest state of a device so that it can be read or set at anytime,	

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				making the device appear to applications as if it were online all the time. The application should be able to read a device's state even when it is disconnected and also allows to set a device state and have it implemented when the device reconnects. For connected devices, the IoT platform should utilize concepts of identity, least privilege, encryption, and authorization throughout the hardware and software development lifecycle. IoT platform should encrypt traffic to and from the service over Transport Layer Security (TLS) with support for most major cipher suites. • In order to achieve the tenets of scalability and flexibility in an IoT solution, the platform should incorporate the techniques of an event-driven architecture. It should enable a scalable and decoupled communication through the creation, storage, consumption, and reaction to events of interest that occur in an IoT solution. Messages that are generated in an IoT solution should first be categorized and mapped to a series of events. The IoT solution should then associate these events with business logic that executes commands and possibly generates additional events in the IoT system. • To achieve security & agility, platform should enable remote firmware updates to add new features to a device and to	

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				deliver security patches during the lifetime of a device. Ability to securely connect devices to the cloud and other devices at scale. Ability to route, process and act upon data from these devices. Ability to enable applications to interact with devices even when they are offline. To fully integrate with other cloud service to reason on top of the data. At scale, ability to Maintain fleet health, security Provide edge-based software for devices, that allows secure connectivity between assets, gather data, and take intelligent actions locally, even when internet connectivity is down. Ability to integrate seamlessly with analytics cloud services for visualization and cloud hosted Machine Learning.	
57	Annexure II, 4.1.5	134	Unmanned Aerial Vehicle (UAV) provides flexibility to capture high resolution image of a particular area of interest under the cloud and during the disaster like landslide, hailstorm, flood, etc.	Necessary permission for conducting Drone survey shall be arranged by client . Please confirm.	Drone survey is not in scope of work
58	4.1.5 Technological Requirements of the Platform for Machine Learning and Artificial Intelligence	134	**5. Machine Learning and Artificial Intelligence:** Machine learning and Artificial Intelligence must be an integral part of the platform for the platform to parse, comprehend and understand the data generated. The platform should be able to provide intelligent actionable decisions and advisory based on its learning.	5. Machine Learning and Artificial Intelligence: Machine learning and Artificial Intelligence must be an integral part of the platform for the platform to parse, comprehend and understand the data generated. The platform should be able to provide intelligent actionable decisions and advisory based on its learning. <We request to include below cloud platform requirements in RFB to be able	RFB Condition prevails

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
				to have requisite capabilities to handle / support AI/ML services>	
				Bidder should propose a Cloud Services Platform that has following features to support Artifical Intelligence and Machine Learning:	
				• Provides visualization tools and wizards that guide users through the process of creating machine learning (ML) models without having to learn complex ML algorithms and technology. Obtain predictions for application using simple APIs, without having to implement custom prediction generation code, or manage any infrastructure.	
				• Available as a managed service that provides end-to-end model creation, deployment, and monitoring. Once the model is ready, users should be able to quickly and reliably generate predictions for the applications, eliminating the time and investment needed to build, scale, and maintain machine learning infrastructure. Users should be able to request predictions for large numbers of data records all at once using the batch prediction API, or use the real-time API to obtain predictions for individual data records, and use them within interactive web, mobile, or desktop applications.	
				• Text-to-speech service turns text into lifelike speech, allowing users to create applications that talk, and build entirely	

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
				new categories of speech-enabled products. • Provide Application Services Designed for Developers & Data Scientists, Solution-oriented Prebuilt Models Available via APIs, Cover Image Analysis, Text-to-Speech, Natural Language Understanding • Provide Platform Services Designed for Data Scientists to Address Common Needs, Fully Managed Platform for Model Building, Reduces the Heavy Lifting in Model Building & Deployment • Provide Frameworks and Interfaces Designed for Data Scientists to Address Advanced / Emerging Needs, Provides Maximum Flexibility to develop on the leading AI Frameworks, Enables Expert AI Systems to be Developed & Deployed • Provide Infrastructure Designed to support AI, ML & DL workloads, Provides storage, compute, edge, and mobile computing needs, Enables maximum flexibility for data scientists to manage workloads.	
59	4.1.5 Technological Requirements of the Platform for API Gateway	134	**9. API Gateway:** The platform must be able to integrate with existing platforms and the platform should be accessible for building applications or portals in the future. An API First approach should be used for the same.	9. API Gateway: The platform must be able to integrate with existing platforms and the platform should be accessible for building applications or portals in the future. An API First approach should be used for the same. <We request to include below cloud platform requirements in RFB to be able	RFB Condition prevails

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
				to have requisite capabilities to handle / support API services> Bidder should propose a Cloud Services Platform that has following features to support API as a Service: • Fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs at any scale. • Ability to handle all the tasks involved in accepting and processing up to hundreds of thousands of concurrent API calls, including traffic management, authorization and access control, monitoring, and API version management. • Ability to integrate with serverless architecture. • Ability to create REST endpoints for existing services. • Ability to model input and output payload to comply with predefined standards. • Ability to integrate custom authorization modules.	
60	SCOPE OF WORK, 4.1.4 API First Approach	134	Offline Field Data Collection: The system should be able to store the data locally in case the cloud service is temporarily unavailable.	As per RFB we understand that DC & DR will be hosted on Cloud. Kindly explain the clause " Offline Field Data Collection" whether we have to consider the compute and storage at NOC . If yes kindly include the same in Price schedule and also mention the retention period to be considered.	1) Offline field data collection feature is required in applications. 2) Data will reside on the the cloud server, no need to consider the compute and storage at NOC.

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
61	SCOPE OF WORK, 4.1.5 Technological and Non-Functional Requirements of the Platform	134	GIS: This platform will rely heavily on GIS technologies as major structures will be geo-tagged, and the project envisages on having map views for monitoring, evaluation and for authentication	As per Pre- bid response, Bidder must propose and develop GIS Platform. Kindly clarify the below points. Major structures for Geo tagging were not defined. What is the scale of the GIS map is expected. AOI for GIS mapping to be defined.	Major structure should be Geo Tagged. The scale of GIS map should be 1:5000. Area of Interest for GIS mapping will be the entire PoCRA project area.
62	SCOPE OF WORK, 4.1.5 Technological and Non-Functional Requirements of the Platform	134	Use of UAV: Unmanned Aerial Vehicle (UAV) provides flexibility to capture high resolution image of a particular area of interest under the cloud and during the disaster like landslide, hailstorm, flood, etc. Exclusive and enormous use of Unmanned Aerial Vehicle could be used for crop damage or loss assessment. Within the defined boundaries and in order to cover the maximum area in shortest period of time with the maximum transparency, use of UAV is essential. UAV images should be used along with camera calibration parameters for the geo-referencing and further processes. It should also be used for the ground truthing if required of the digital signature of the crops. IT is the responsibility of the Supplier to in integrate/ consume / Process the UAV data provided by the department in the future or department appointed UAV vendor or Supplier will allow third party to access the data through API and generate the required output as per the requirement.	Which type of UAV will be deployed for this activity. And also kindly confirm the scope of UAV?	UAV is not in the Scope of the supplier. Supplier need to only integrate/consume /Process the UAV data provided by the department in the future.
63	SCOPE OF WORK, 4.1.5 Technological and Non-Functional	134	API Gateway: The platform must be able to integrate with existing platforms and the platform should be accessible for building	Pls share the information of existing platform for API gateway integration.	At Present there is no any existing platform for API gateway integration. Supplier need to provide the solution.

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
	Requirements of the Platform		applications or portals in the future. An API First approach should be used for the same		
64	SCOPE OF WORK, 4.1.5 Technological and Non-Functional Requirements of the Platform	134	Offline Field Data Collection: The system should be able to store the data locally in case the cloud service is temporarily unavailable.	Which data is considered as offline field data. Based on the requirement on prim storage sizing will be considered.	Applications which are used at the field level should have the option to store the data on devices if internet / network is temporarily unavailable.
65	Scope of Work 4.1.5 Technological and Non-Functional Requirements of the Platform / Page no. 141	134	Machine Learning and Artificial Intelligence	Why Machine Learning and Artificial Intelligence are required for this project? Kindly explain.	Digitization in the field of agriculture is evolving and thus for various parameters such as pest identification, soil moisture and temperature, system needs to be develop to train itself so that it can deliver appropriate results / advisories to the farmers.
66	Scope of Work 4.1.5 Technological and Non-Functional Requirements of the Platform / Page no. 142	134	Big Data and Analytics	Please explain the requirement of Big Data and Analytics and the platform to be used for the same.	Since the volume of data so collected is likely to be voluminous and unstructured, Big data analytics tools should be utilized to interpret the data and populate an intelligent database. Supplier need to provide the solution as per scope of work
67	Scope of Work 4.1.5 Technological and Non-Functional Requirements of the Platform / Page no. 142	134	Image Recognition	Please throw some light on the image recognition concept over here. Which image is to be interpreted.	Supplier should provide the solution as per scope
68	SCOPE OF WORK, 4.1.5 Technological and Non-Functional Requirements of the Platform	135	Satellite Data Pre-processing: Supplier need to pre-process the Satellite data for the use of generation of advisory or report. Though Supplier may have to procure Satellite data and Generate the advisory and reports for	1. As per the Mentioned clause, we understand that satellite image data to be procured and to be processed for Phase 0 & Phase 1 by MSI. - Kindly confirm	Confirmed

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
			Phase-0 and Phase-1 but Supplier may have to pre-process the Satellite data procured by PoCRA appointed third party agency for other geographic area and deploy the pre-processed data on PoCRA platform which can be accessed by third party applications.	2. Satellite image data for phase 2& 3 will be arranged/ supplied by client. MSI scope will be limited only for processing. Kindly confirm.	
69	Pre-bid Query Response # 248 & 249 on query over "The Primary DC and the DRC should be in different seismic zones."	136	Please provide the solution as per the cloud GR of Government of Maharashtra	GR allows CSP to propose DC-DR from different physical locations supporting active active arrangement. (refer Empanelment Corrigendum enclosed herewith). Please suggest if this understanding is not correct.	Solution need to be comply with the cloud GR issued by government of Maharashtra
70	Scope of Work 4.1.6 Proposed Indicative Technical Architecture of the Platform/Page no. 146	136	Middleware Structure	As per the conceptual design of the firmware given in the RFB, please confirm whether the middleware is to be IoT based.	It is the Indicative Technical Architecture of the Platform provided in the RFB. Solution need to be Provided by the supplier.
71	4.1.7	138	Platform and Application Security	Total Number of Domains & Users to be Supported	There is single domain with multiple sub domain in PoCRA. For details about Users refer section 4.1.2 Page 127.
72	4.1.7	138	Platform and Application Security	Total Number of Devices to be under EMM (Enterprise Mobility Management)	Supplier need to provide the solution as per scope & FRS defined in the RFB document
73	4.1.7	138	Platform and Application Security	Type of Devices Supported (Android/Apple/Windows/Tablets/Phone /Desktops/Laptops)	Type of Devices support required (Android/Apple/Tablets/Windows/Phone/Desktops/Laptops)
74	4.1.7	138	Platform and Application Security	Do/Will the users use BYOD (Bring Your Own Device) or COPE (Company Owned-Personally Enabled) devices?	Both

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
75	4.1.7	138	Platform and Application Security	Break up of BYOD and COPE Devices(Existing/Forecast)	Break up will be provide to the selected bidder
76	4.1.7	138	Platform and Application Security	Please share the Business Requirements for deploying EMM	Supplier need to provide the solution as per defined scope & FRS in the RFB document
77	4.1.7	138	Platform and Application Security	Please share the Technical Requirements for deploying EMM	Supplier need to provide the solution as per defined scope & FRS in the RFB document
78	4.1.7	138	Platform and Application Security	Preferred EMM Architecture Model (Cloud or On-Premise)	Supplier need to provide the solution as per defined scope & FRS in the RFB document
79	4.1.7	138	Platform and Application Security	Type and Number of Applications to be deployed through EMM(Public/Internal/VPP)	Supplier need to provide the solution as per defined scope & FRS in the RFB document
80	4.1.7	138	Platform and Application Security	Are additional Instances (Test or Dev) required?	Yes
81	4.1.7	138	Platform and Application Security	Please specify Exchange Architecture Type (On-Premise/Cloud/O365)	Exchange Architecture type (Cloud /O365)
82	4.1.7	138	Platform and Application Security	Is Advanced Application and Content Management required to connect to On-premise resources (SharePoint, File Share, Web Servers etc.)?	Supplier need to Provide the solution
83	4.1.7	138	Platform and Application Security	Preferred Authentication Mode for VPN and E-mail (AD/LDAP, Certificate-Based or EMM Database (a.k.a Local))	Supplier need to provide the solution as per defined scope & FRS in the RFB document
84	4.1.7	138	Platform and Application Security	Please specify any additional Integration if required such as BES, Syslog, PKI, SCEP etc.	Supplier need to Provide the solution
85	4.1.7	138	Platform and Application Security	Preferred License Type - Device Based or User Based	Enterprise Licenses / as per the guidelines provided by DIT, GoM in the Cloud GR
86	4.1.7	138	Platform and Application Security	Any Additional Service Required from? - Apple DEP, VPP, Apple Configurator, Android for Work, KNOX etc.	Supplier need to provide the solution

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
87	4.1.7	138	Platform and Application Security	Is Expense Management required? Please Specify expectations from Expense Management Module of EMM	Supplier need to provide the solution as per scope defined in the RFB
88	4.1.7	138	Platform and Application Security	Does PoCRA have the Mobile Devices already purchased (if COPE). If not, does PoCRA wish to have Tech Mahindra provide the quote for the devices as well?	Mobile devices supply is not in the scope of work.
89		138	Platform and Application Security	Is Managed Service Level 1 Support for EMM required?	Supplier need to provide the solution as per scope defined in the RFB
90		138	Platform and Application Security	Is Managed Service Level 2 Support for EMM required?	Supplier need to provide the solution as per scope defined in the RFB
91		138	Platform and Application Security	What will be the Managed Service Duration?	Supplier need to provide the solution as per scope defined in the RFB
92		138	Platform and Application Security	Is On-call Support Required for P1 or P2 incidents?	Supplier need to provide the solution as per scope defined in the RFB
93		138	Platform and Application Security	Is Project Manager/Management for EMM required?	Supplier need to provide the solution as per scope defined in the RFB
94		138	Platform and Application Security	What is the Support Window required for Managed Services L1?	Supplier need to provide the solution as per scope defined in the RFB
95		138	Platform and Application Security	What is the Support Window required for Managed Services L2?	Supplier need to provide the solution as per scope defined in the RFB
96		138	Platform and Application Security	Managed Services to be done from Offshore or Onsite?	Supplier need to provide the solution as per scope defined in the RFB

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
97		138	Platform and Application Security	Are dedicated resources required for Managed Services Support?	Supplier need to provide the solution as per scope defined in the RFB
98	Scope of Work 4.1.7 Platforms for Deployment/ Page no. 147	139	Web Portal: The portal should be integrated with standard email and instant messaging services	As per our understanding, instant messaging services refers to FB, WhatsApp and others. If these services are incorporated in the application, it would be uncertain as security would be compromised. As this plication would be farmer and farming oriented, display screen could be put up at Gram Panchayat centres to broadcast the information. Request you to kindly remove this point for data security.	RFB Condition prevails
99	Scope of Work 4.1.7 Platforms for Deployment/ Page no. 147	139	Mobile Application: It should incorporate analytics to identify user experience patterns	Please throw some light on the user experience pattern.	The propose is to capture the user experience and improve the functionality and the design of the application. Supplier need to develop / incorporate analytics to identify such kind of user experience pattern for the PoCRA applications.
100	SCOPE OF WORK, 4. Detailed Scope of Work 4.1.7 Platforms for Deployment Important Points regarding the mobile application	140	Additionally, it is proposed that PoCRA on field staff will be provided with PDAs / TABs as per PoCRA PMU Requirements. To monitor, manage, secure and support these devices, the Supplier will have to provide MDM (Mobile Device Management) functionality	We are assuming that PDAs, TABs, Mobile devices etc. are out of scope of delivery. Please confirm.	Procurement of hardware devices is out of scope of work.
101	Scope of Work 4.1.7 Platforms for Deployment/ Page no. 148	140	Important Points regarding the mobile application: It is envisaged that in future the usage of mobile / smart phones as well as other handheld	Please explain if 2 applications are to be developed for the same project.	Supplier has to provide the solution as per global standard solution.

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			devices will increase significantly; therefore, a lighter version of the PoCRA platform must be developed to support browsing on the applications through these devices (all smartphone platforms), and launched simultaneously with the main version on the day of Go-Live.		
102	Scope of Work 4.1.7 Platforms for Deployment/ Page no. 148	140	Important Points regarding the mobile application: To monitor, manage, secure and support these devices, the Supplier will have to provide MDM (Mobile Device Management) functionality.	What is meant by MDM (Mobile Device Management) functionality. Kindly explain.	Mobile device management is the type of security used to monitor and manage and secure mobile devices deployed to use the applications.
103	NA1.3 Approach & Methodology	141	NA	Criteria Details is mentioned as - "Demonstrated level of understanding of the PoCRA business processes, the project purpose and scope of work". Can you please provide detail break up points to be covered to demonstrate our understanding?	Break up will be based on technical and functional capabilities of the supplier in the solution designed and the use cases submitted in Approach and methodology.
104	Annexure II ,4.1.9	142	4G communication device to transmit data between Data Collection Node and Cloud	Procurement of the SIM card would be the responsibility of Client. Please confirm.	Supplier must provide SIM card, if required, for project period
105	SCOPE OF WORK,4. Detailed Scope of Work 4.1.9 IoT Engine for Smart Irrigation 1. Smart Irrigation Scheduling system based on Soil	142	Solar Panels with Battery to power the controller	As per pre- bid response we understand that, Solar Panels also need to install by Bidder along with the battery. Kindly specify the battery backup required for the solar panels	Supplier need to identify the battery backup required for the solution /application to run it smoothly.

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
	Moisture Measurement				
106	SCOPE OF WORK 4. Detailed Scope of Work 4.1.9 IoT Engine for Smart Irrigation 2. Implementation Plan	142	Proof of Concept for 50 Farms: 2 probes per Farm 25 Farms will be selected in Decani Project area (Yeoman District) 25 Farms will be selected from Marathwada region (not serviced by the Dehani project, but where farm ponds or wells are provided under PoCRA, or where alternate water sources are available)	As per Page 144 Data Collection node can cover 50 fields. However, POC areas distributed in two diff districts. To cover the 50 farms in two districts at least 2 DCN is required. Kindly confirm	Supplier have liberty to propose the solution
107	SCOPE OF WORK 4. Detailed Scope of Work 4.1.9 IoT Engine for Smart Irrigation	142	Proof of Concept for 50 Farms: 2 probes per Farm	Considering that the 90-cm probe is not required for the 50 farms. Kindly confirm that two probes will be deployed at 30cm and 60cm into the field respectively for the 50 farms. Thus 100 probes are only required for the 50 farms	Minimum 2 IoTs per field are required, however, the bidders have liberty to propose the solution. Individual farm is a field.
108	Annexure II ,4.1.9	144	Sensors need to be powered and fitted with SIM cards to transmit data using LoRa platform to the Data Collection Node (DCN)	Sensor would not have fitted with SIM card; however, it shall communicate with DCN/field Gateway through LoRa communication. DCN/Gateway - Cloud communication shall happen through GSM/GPRS/4G. Please confirm.	Supplier has to provide solution
109	SCOPE OF WORK, 4. Detailed Scope of Work 4.1.9 IoT Engine for Smart Irrigation 2. Implementation Plan	144	Data Collection Node can be either common for a few fields or can be one for all 50 fields.	As per Page 144 Data Collection node can cover 50 fields. However, POC areas distributed in two diff districts. To cover the 50 farms in two districts at least 2 DCN is required. Kindly confirm	Supplier have liberty to propose the solution
110	SCOPE OF WORK, 4. Detailed Scope	144	Sensors are placed in probes of 30cm and 60cm into the field. The placement of probes	Considering that the 90-cm probe is not required for the 50 farms. Kindly confirm	Minimum 2 IoTs per field are required, however, the bidders

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	of Work 4.1.9 IoT Engine for Smart Irrigation 2. Implementation Plan		depends on the make of the field. In special cases where the root of crops goes deep, the probes are of config of 30cm, 60cm and 90cm.	that two probes will be deployed at 30cm and 60cm into the field respectively for the 50 farms. Thus 100 probes are only required for the 50 farms	have liberty to propose the solution. Individual farm is a field.
111	Scope of Work 4.2.3 Proposed Indicative Conceptual Design/Page no. 157	149	Existing Platforms	What are the existing platforms available with the department and which ones are to be integrated with the application being built?	Supplier need to migrate below mentioned application: - 1. PoCRA DBT application 2. Farmers Field School 3. Micro Level Planning 4. Financial Monitoring System 5.Staff Monitoring Application

Above applications have limited functionalities. They need to be further developed for meeting FRS or designed and developed afresh by supplier. |
112	Annexure II ,4.2.3	150	It captures information such as geo-tagging watershed development structures, photograph, digital monitoring and evaluation	Is it the vendor's responsibility to provide the watershed management model? What is the source of required data necessary for the model?	Please refer FRS section in the RFB document
113	SCOPE OF WORK4.2.3 Proposed Indicative Conceptual Design	150	All the data should be available on the integrated GIS platform.	Pls share more information on integrated GIS platform which is planned here	All the data captured should be integrated with the GIS platform.
114	Scope of Work 4.2.3 Proposed Indicative Conceptual Design/Page no. 158	150	A3: Farmer engagement and feedback application Provides PoCRA stakeholders an opportunity to rate, ask, provide feedback and raise grievances in the application the different channels employed in the application includes web, mobile application, SMS,	What is Idea Management Software? Please explain.	It is a knowledge management centre where the innovative concepts will be stored and access to the users.

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
			USSD, IVR, web surveys, Call centre, physical documents and Idea management software.		
115	Scope of Work 4.2.3 Proposed Indicative, Conceptual Design/Page no. 160	151	A4 Weather advisory and warning application Application that is a agrometeorology and automated data analysis tools, to support accurate weather alerts, warnings, notification and forecasting for complete PoCRA Region. Advisory will be validated by the technical committee and Supplier need to optimize the algorithm / Application to improve the advisory as per the committee recommendations.	Technical advisory committee is to be included in the work flow management or it is going to be a separate entity. Please explain.	PoCRA will constitute a technical committee to validate and evaluate the advisory provided by the supplier.
116	Scope of Work 4.2.3 Proposed Indicative Conceptual Design/Page no. 160	152	B2 Climate Disaster Management The application will serve as a tool to deal with climate emergencies and disasters - especially sudden onset disasters and extreme events for complete PoCRA Region	We assume that climate information and weather information would be provided to us by certain authority. We have to display the same data in our application. Please confirm.	Refer Section 7 of FRS on Page number 316 of revised RFB.
117	Scope of Work 4.2.3 Proposed Indicative Conceptual Design/Page no. 160	152	B2 Climate Disaster Management It delivers the functionality of spatial mapping based on missed call	Please explain the point: It delivers the functionality of spatial mapping based on missed call.	The missed call will be used to identify the location of individuals on map at the time of disaster.
118	Scope of Work 4.2.3 Proposed Indicative Conceptual Design/Page no. 160	152	B3 Finance and Accounts System Disbursements, Beneficiaries, Accounting and Finance This application enables fund management, HR expenditure management, vendor	Please explain whether ERP system must be implemented for the application. Kindly confirm. If yes then what are the ERP data requirements.	Supplier has to provide the solution as per FRS

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
			payments, audit and other finance and accounts functions		
119	4.2.3 Proposed Indicative Conceptual Design	154	· Identity & Access Management There needs to be a governance framework built into the system to regulate data, software and infrastructure access.	Is there an existing Identity and access management system	Supplier need to provide the solution
120	4.2.3 Proposed Indicative Conceptual Design	154	· Identity & Access Management There needs to be a governance framework built into the system to regulate data, software and infrastructure access.	What are the number of internal users that needs to be considered under Identity and Access Management system	Please refer Section 4.1.2 User Ecosystem Page 127 of the revised RFB document.
121	4.2.3 Proposed Indicative Conceptual Design	154	· Identity & Access Management There needs to be a governance framework built into the system to regulate data, software and infrastructure access.	What are the number of external users that needs to be considered under Identity and Access Management system	Please refer Section 4.1.2 User Ecosystem Page 127 of the Revised RFB document.
122	4.2.3 Proposed Indicative Conceptual Design	154	· Identity & Access Management There needs to be a governance framework built into the system to regulate data, software and infrastructure access.	How many endpoints needs to be considered for Identity Management system	As per number of users defined in Section 4.1.2 User Ecosystem Page 127 of the Revised RFB document
123	4.2.3 Proposed Indicative Conceptual Design	154	· Identity & Access Management There needs to be a governance framework built into the system to regulate data, software and infrastructure access.	How many applications needs to be integrated with the Access Management system. Is it possible to provide a list or number of applications	All the applications need to be integrated
124	Annexure II ,4.2.3	154	Portal (with SSO), Content Management, Mobile, Social Media integration	Please specify social media platforms to be considered for integrations	Integration with popular social media platform is required.
125	Scope of Work KPI management/Page no. 161	154	The Supplier will have to select appropriate KPIs and manage the project in accordance with them. These KPIs need to be approved by the PoCRA PMU.	Please provide the number of KPI's required.	Information will be shared with the selected supplier.
126	part 02 -> Specifications for Application Development - > SECTION VII -	157	NA	What are the approximate volumes for initial and daily incremental loads?	Please refer section User Ecosystem Page no.127 of the RFB document

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	REQUIREMENTS OF THE INFORMATION SYSTEM4.2.7.1 Data Warehousing and Analytics				
127	part 02 -> Specifications for Application Development - > SECTION VII - REQUIREMENTS OF THE INFORMATION SYSTEM4.2.7.1 Data Warehousing and Analytics	157	NA	How much of data is expected to get added on a yearly basis?	RFB provides the user eco system and requirement, the supplier has to design solution accordingly
128	part 02 -> Specifications for Application Development - > SECTION VII - REQUIREMENTS OF THE INFORMATION SYSTEM4.2.7.1 Data Warehousing and Analytics	157	NA	For how many years the data needs to be maintained in the warehouse?	Data need to be maintained for the complete contract period
129	part 02 -> Specifications for Application Development - > SECTION VII - REQUIREMENTS	157	NA	Any restrictions in connecting directly with the disparate data sources to pull the data? Should data quality reports be published or accessible in the warehousing component?	Data quality reports should be made available to the PoCRA as and when required

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
	OF THE INFORMATION SYSTEM4.2.7.1 Data Warehousing and Analytics				
130	part 02 -> Specifications for Application Development - > SECTION VII - REQUIREMENTS OF THE INFORMATION SYSTEM4.2.7.1 Data Warehousing and Analytics	157	NA	Should data quality reports be published or accessible in the warehousing component?	Data quality reports should be made available to the PoCRA as and when required
131	4.2.7.3	160	Bidder/JV is also responsible to design and adhere to an agreed Business Continuity Plan (BCP) and Disaster Recovery Plan (DRP).	Please confirm if TechM is expected to use PoCRA's existing Business Continuity Framework for creation of BCDR plan?	Supplier has to provide the solution
132	SCOPE OF WORK4.2.7.3 Hosting Operations & Maintenance	160	Cloud services will be procured from CSP as per the cloud GR circular number 060/3/2017/1 dated 16th May 2018, circular Number 060/3/2017/2 dated 19th May 2018 & circular number 060/3/2017/3 dated 4th Aug 2018 of DIT, Government of Maharashtra. Supplier should follow the latest GR issued by the Government of Maharashtra.	What are all the security requirements to be considered. Kindly share if any specific requirement	It should be as per latest cloud GR issued by Government of Maharashtra & DIT information security policy.
133	SCOPE OF WORK4.2.7.3 Hosting Operations & Maintenance	161	Bidder/JVhas to ensure data backup till the last transaction occurring in the system to ensure enhanced service levels and following RPO and RTO objectives:	As per RFB we understand that DC and DR will be in Active - Passive / Asynchronous Replication mode. Kindly confirm. What is the production capacity to be	Confirmed

The bidder has to provide the |

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			o RPO <=2 hours o RTO <= 6 hrs.	considered for DR. (50% or 30% or 100%)	minimal compute and 100% data back up to just keep the system up
134	4.2.7.4 Application Database	161	Database should have perpetual and enterprise wide licenses. They should have proven scalability credentials to cater to any system load.	We request you to please remove this statement from the RFB.	Bidder has to provide the solution in conformity with the terms and condition mentioned in the latest cloud GR issued by Government of Maharashtra and the IT policy of Government of Maharashtra.
135	4.2.7.4 Application Database	161	Database should be an enterprise Class database with EAL (Evaluation Assurance Level) Security Certification.	Given that the RFB asks for use of open source and open standard products in the overall solution, we request you to modify the requirement as below: Database should be an enterprise Class database offering security features like activity monitoring, assessment, transparent encryption, access controls and authorization schemes etc. with either EAL (Evaluation Assurance Level) Security Certification or Cloud Service Provider Support where the CSP provides a) required software patching related to security patches b) makes available major and minor upgrades c) offers a minimum uptime SLA of 99.9% on the database service and d) service is covered under the scope of SOC3, ISO 27001, ISO 27017 and ISO 27018 certificates.	RFB Condition prevails
136	Annexure II 4.7	165	The training environment where Master Trainers are provided hands-on training should be an exact replica of the live application allowing entry of dummy data, etc.	Training location would be at PoCRA premise in Mumbai. Please confirm.	There will be three central locations in the PoCRA Project area

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
137	4.8	165	Point the Bidder/JV should conduct DR drill for two days at the mutually agreed periodicity	Please confirm if the DR drills are expected to be standalone drills per applications or an integrated drill for all applications in scope of this RFB?	It will be an integrated DR drill
138	4.8	165	Point the Bidder/JV should conduct DR drill for two days at the mutually agreed periodicity	Please confirm on maximum number of DR drills per annum?	Minimum One DR drills per annum
139	4.8	165	The Bidder/JV should offer dashboard to monitor RPO and RTO of each application and database	Please confirm the frequency of dashboard?	Real time
140	4.8	165	The Bidder/JV should offer dashboard to monitor RPO and RTO of each application and database	Are you expecting live RTO/RPO monitoring?	Yes
141	Annexure II 4.8	165	Disaster Recovery & Business Continuity Services	Can the option of multi-cloud disaster recovery be considered considering the cloud deployment of proposed PoCRA solution	Yes
142	Definitions General	174	If the liquidated damages during Development and Implementation phase exceed 10% of the Total project value, then PoCRA reserves the right to terminate the contract. • During maintenance phase, liquidated damages per quarter are capped at 20% of that quarter's payment. • If liquidated damages calculations exceed 19% of the quarterly payment for two consecutive quarters, then PoCRA can take appropriate action including termination of the contract and forfeiting of Performance Bank Guarantee. If liquidated damages calculations in any quarter exceed 30% of quarterly payment, then PoCRA can take appropriate action including termination of	Infosys proposes to cap consolidated LD (on overall TCV) should be limit to 10% of total project value.	Maximum cap is limited to 10% of the total contract Value

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			the contract and forfeiting of Performance Bank Guarantee.		
143	5. Service Level Agreements (SLA)5.2 Liquidated Damages and SLA, Sr.No.1	175	Liquidity damages will be levied as per the following table: SLA Liquidated damages as % Total Contract Value (TCV) >15 days & <=20 days 0.01% >20 days & <=25 days 0.02% >25 days & <=30 days 0.05% For each additional day after 30 days, liquidated damages of 0.01% of TCV will be levied as additional liquidated damages up to 60 days post which the contract will be terminated	Please update the clause as follows: Liquidity damages will be levied as per the following table: SLA Liquidated damages as % Total Contract Value of the Sub-System (TCVSS) >15 days & <=20 days 0.01% >20 days & <=25 days 0.02% >25 days & <=30 days 0.05% For each additional day after 30 days, liquidated damages of 0.01% of TCVSS will be levied as additional liquidated damages up to 60 days post which the contract will be terminated	RFB Condition prevails
144	5. Service Level Agreements (SLA)5.2 Liquidated Damages and SLA, Sr.No.2	175	Liquidity damages will be levied as per the following table: SLA Liquidated damages as % Total Contract Value (TCV) 1 (not including project manager) 0.01% 2 to 4 0.02% 4 to 6 0.04% For each additional change, liquidated damages of 0.03% of Total Contract value will be levied as additional liquidated damages.	Please update the clause as follows: Liquidity damages will be levied as per the following table: SLA Liquidated damages as % Total Contract Value of the Sub-System (TCVSS) 1 (not including project manager) 0.01% 2 to 4 0.02% 4 to 6 0.04% For each additional change, liquidated damages of 0.03% of TCVSS will be	RFB Condition prevails

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
			In case the Project Manager recommended for the assignment is changed an additional liquidated damage of 0.02% of the Total Contract Value will be levied At the time of development phase before operational acceptance, the change in resources will not be accepted. However, during operation and maintenance phase, resources may be changed for sufficient cause with equal or better resource with the prior approval of Purchaser.	levied as additional liquidated damages. In case the Project Manager recommended for the assignment is changed an additional liquidated damage of 0.02% of the TCVSS will be levied At the time of development phase before operational acceptance, the change in resources will not be accepted. However, during operation and maintenance phase, resources may be changed for sufficient cause with equal or better resource with the prior approval of Purchaser.	
145	5. Service Level Agreements (SLA)5.2 Liquidated Damages and SLA, Sr.No.3	175	Liquidated damages will be levied as per the following table: SLA Liquidated damages as % Total Contract Value (TCV) >10 days & <=15 days 0.5% >15 days & <=20 days 1% >20 days & <= 30 days 2% For each additional day after 30 days, liquidated damages of 1% of TCV will be levied as additional liquidated damages	Please update the clause as follows: Liquidated damages will be levied as per the following table: SLA Liquidated damages as % Total Contract Value of the Sub-System (TCVSS) >10 days & <=15 days 0.5% >15 days & <=20 days 1% >20 days & <= 30 days 2% For each additional day after 30 days, liquidated damages of 1% of TCVSS will be levied as additional liquidated damages	RFB Condition prevails
146	5. Service Level Agreements (SLA)5.2 Liquidated	177	Liquidated damages will be levied as per the following table: SLA Liquidated damages as % Total Contract	Please update the clause as follows: Liquidated damages will be levied as per the following table: SLA	RFB Condition prevails

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
	Damages and SLA, Sr.No.4		Value (TCV) >30 days & <=40 days 0.1% >40 days & <=50 days 0.25% >50 days & <=60 days 0.4% For each additional day after 60 days, liquidated damages of 0.2% will be levied as additional liquidated damages	Liquidated damages as % Total Contract Value of the Sub-System (TCVSS) >30 days & <=40 days 0.1% >40 days & <=50 days 0.25% >50 days & <=60 days 0.4% For each additional day after 60 days, liquidated damages of 0.2% will be levied as additional liquidated damages	
147	Service Level Agreements (SLA)5.2 Liquidated Damages and SLA	178	**SLA Parameter** # Advisory: Quality of Advisory **Description** # Supplier has to release the Crop Advisory, Crop Health, Crop Disaster Management advisory every week. **Target** # > 80% Quality of Advisory	Please clearly define the Quality of Advisory or any other accuracy measurement	Quality of Advisory provided by the supplier will be matched by the actual result / conditions faced on the field based on which the quality percentage will be measured by nominated agency / agencies. For example, supplier has to provide advisory about the date/ period of "when to sow" in a village. the quality will be determined based on actual sowing conditions prevalent during that period.
148	Service Level Agreements (SLA)5.2 Liquidated Damages and SLA	178	**SLA Parameter** # Advisory: Quality of Advisory **Description** # Supplier has to release the Crop Advisory, Crop Health, Crop Disaster Management advisory every week. **Target** # > 80% Quality of Advisory	Request you to relax the accuracy level to 50% guaranteed and introduce incentive model for additional slabs of accuracy achieved. This is a new field and dependent on many external factors like weather, SHC etc.	RFB Condition prevails
149	Service Level Agreements (SLA)5.2 Liquidated Damages and SLA	178	**SLA Parameter** # Advisory: Quality of Advisory **Description** # Supplier has to release the Crop Advisory, Crop Disaster	We propose a one year (3 Seasons) of SLA holiday for learning and fine-tuning the machine algorithm. Please consider.	RFB Condition prevails

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
			Management advisory every week. **Target** # > 80% Quality of Advisory		
150	6.2 Licensing Requirements	180	All system software, licenses, etc. have to be procured in the name of PoCRA	We request you to please remove this statement from the RFB.	Bidder has to provide the solution in conformity with the terms and condition mentioned in the latest cloud GR issued by Government of Maharashtra and the IT policy of Government of Maharashtra.
151	6.2 Licensing Requirements	180	The licenses should be perpetual and enterprise wide for the core application (including Web-portal) and other software unless otherwise stated. The software licenses shall not be restricted based on location and the PoCRA PMU should have the flexibility to use the software licenses for other requirements, if required.	If this statement pertains to System Software, we request you to please remove this statement from the RFB.	Bidder has to provide the solution in conformity with the terms and condition mentioned in the latest cloud GR issued by Government of Maharashtra and the IT policy of Government of Maharashtra.
152	SCOPE OF WORK6.4 Integration with other applications	181	Supplier need to support to integrate the third-party applications developed for PoCRA in IT Platform and those application will integrate with API to access the masters and data sets.	What are the third-party application needs to be integrated?	Please refer section scope of work in the RFB for the Third-party application.
153	SCOPE OF WORK6 General Requirements 6.7 Development of Network Operation Centre (NOC) for PoCRA	183	The Supplier should also provide and set-up a Video wall size: 3M (width) X1.1M (height) inside the NOC area to render major system dashboards, performance metrics, etc.	Kindly provide the detailed technical specification for Video wall and other office infra BOQ	Video wall specifications are already defined in the RFB document.
154	SCOPE OF WORK Implementation Schedule	185	Development of Applications – A Development of Applications – B	Please provide clarity on Application- A and Application-B.	Please refer Section 4.2 Application development Page 147 of the revised RFB document.
155	Annexure II 8	185	Implementation Schedule	Considering the exhaustive scope of the deliverables it is recommended to have	RFB conditions prevails

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				sufficient time period for SRS preparation & prototyping. Can we request to increase the timeline of activity#4a & subsequent activities by 4 weeks.	
156	ANNEXURE III – FUNCTIONAL REQUIREMENT SPECIFICATIONS (FRS)Multiple	188	NA	Across the document, there is mention of 'Relevant Stakeholder'. Please elaborate more to define this term.	Please refer section 4.1.2 User Ecosystem page no.127
157	Annexure III ,2. Existing Systems	193	The PoCRA digital platform seeks to integrate with many of these applications as needed, to deliver on project objectives	Integration of proposed PoCRA system with existing IT applications may require changes at existing application end by respective department. Is our understanding correct?	Third party application need to be integrated through API
158	Annexure III ,3.3 Solution Insight	211	Call-centre and helpdesk facilities proposed under PoCRA is an integral part of this project.	Can we consider Cloud call Centre instead of traditional On-premise call Centre	Setup of Call centre is not in the scope of Supplier
159	Section 3.5 Point no. 5 Applications	219	Administrative Applications: This application will support the overall control of the application including processes such as profile creation, roles management, desk management etc.	Apart from Profile and Roles Creation, what all functionalities are expected under desk management service and what other functions are required if any in Administrative Application?	Administrative applications act as single point for managing all the users, roles and access management system. This application will be single point to manage, edit and amend roles and users for all the applications connected to PoCRA digital platform
160	1. Watershed Management Application1.4 Functional Requirement	234	Beneficiary should be able to approve/reject the goods cost entered by through SMS/OTP/Biometric	Please confirm that we don't have to supply any biometric device as part of our proposal	Confirmed

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	Specifications (FRS) Point # 1.124				
161	1. Watershed Management Application1.4 Functional Requirement Specifications (FRS) Point # 1.146	236	VCRMC should be able to conduct a tendering process for watershed as per the guidelines mentioned in the sanction letter	Hope this tendering is outside the PoCRA platform and we must only develop the APIs to provide the status. Please confirm.	Confirmed
162	Functional Requirement Specifications (FRS)2.4 Functional Requirement Specifications (FRS)	243	2.15. AID Update GIS System AIDs should be able to geo-tag their location on the satellite-based GIS System	To geo tag the AID location it is assumed that base map will be provided to SI. Geo tagging can be done on vector data. Satellite imagery will not help for geo tagging. Pls confirm the requirement.	1.Base map (Drainage network, Road network, settlement and waterbodies) will be provided by PoCRA. 2.Yes Geo tagging can be done on vector data. 3.Satellite data can be used as a reference for geo tagging
163	Functional Requirement Specifications (FRS)Manufacturers/ Suppliers (MS) (Includes Micro Irrigation System and Farm machinery)	246	2.47. MS Update GIS System MSs should be able to geo-tag their location on the satellite-based GIS System	To geo tag the MS location it is assumed that base map will be provided to SI. Geo tagging can be done on vector data. Satellite imagery will not help for geo tagging. Pls confirm the requirement.	1.Base map (Drainage network, Road network, settlement and waterbodies) will be provided by PoCRA. 2.Yes Geo tagging can be done on vector data. 3.Satellite data can be used as a reference for geo tagging
164	Functional Requirement Specifications (FRS)Warehouse markets, Cold storage, and Packing	251	2.86. WCP Update GIS System WCPs should be able to geo-tag their location on the satellite-based GIS System	To geo tag the WCP location it is assumed that base map will be provided to SI. Geo tagging can be done on vector data. Satellite imagery will not help for geo tagging. Pls confirm the requirement.	1.Base map (Drainage network, Road network, settlement and waterbodies) will be provided by PoCRA. 2.Yes Geo tagging can be done on vector data. 3.Satellite data can be used as a reference for geo tagging

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	(WCP)vendors/ centres				
165	Functional Requirement Specifications (FRS)4 Financial Institutions (FI)	255	2.126. FI Update GIS System FIs should be able to geo-tag their location on the satellite-based GIS System	To geo tag the FI location it is assumed that base map will be provided to SI. Geo tagging can be done on vector data. Satellite imagery will not help for geo tagging. Pls confirm the requirement.	1.Base map (Drainage network, Road network, settlement and waterbodies) will be provided by PoCRA. 2.Yes Geo tagging can be done on vector data. 3.Satellite data can be used as a reference for geo tagging
166	Functional Requirement Specifications (FRS)5 Certification Companies (CC)	258	2.157. CC Update GIS System CCs should be able to geo-tag their location on the satellite-based GIS System	To geo tag the CC location it is assumed that base map will be provided to SI. Geo tagging can be done on vector data. Satellite imagery will not help for geo tagging. Pls confirm the requirement.	1.Base map (Drainage network, Road network, settlement and waterbodies) will be provided by PoCRA. 2.Yes Geo tagging can be done on vector data. 3.Satellite data can be used as a reference for geo tagging
167	Functional Requirement Specifications (FRS)6 Food processing units/ Retail stores/ Suppliers/ Re-seller /Food Markets(FRSR)	263	2.193. FRSR Update GIS System FRSRs should be able to geo-tag their location on the satellite-ebased GIS System	To geo tag the FRSR location it is assumed that base map will be provided to SI. Geo tagging can be done on vector data. Satellite imagery will not help for geo tagging. Pls confirm the requirement.	1.Base map (Drainage network, Road network, settlement and waterbodies) will be provided by PoCRA. 2.Yes Geo tagging can be done on vector data. 3.Satellite data can be used as a reference for geo tagging
168	Functional Requirement Specifications (FRS)7 FPO/FPC/FIG/SHG (FFFS) and Farmers	268	2.236. FIG/FPO/FP Update GIS FFFSs should be able to geo-tag their location on the satellite-C/SHG System based GIS System	To geo tag the FFFS location it is assumed that base map will be provided to SI. Geo tagging can be done on vector data. Satellite imagery will not help for geo tagging. Pls confirm the requirement.	1.Base map (Drainage network, Road network, settlement and waterbodies) will be provided by PoCRA. 2.Yes Geo tagging can be done on vector data.

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					3.Satellite data can be used as a reference for geo tagging
169	Functional Requirement Specifications (FRS)2 Farmer Field School	277	276	To geo tag the school location it is assumed that base map will be provided to SI. Geo tagging can be done on vector data. Satellite imagery will not help for geo tagging. Pls confirm the requirement.	1.Base map (Drainage network, Road network, settlement and waterbodies) will be provided by PoCRA. 2.Yes Geo tagging can be done on vector data. 3.Satellite data can be used as a reference for geo tagging
170	Farmer Field Scholars point# 3.62	278	NA	What is expected under knowledge recognition program? Please elaborate.	This is to maintain the knowledge shared by the stakeholders and disseminate for the benefit of farmers.
171	Functional Requirement Specifications (FRS)7.4 Functional Requirement Specifications (FRS)	322	7.27. PMU View Spatial map The PMU should be able to view a spatial map of all such mapped farms/farmers/stakeholders	It is assumed spatial map would be provided to the SI.	Base map will be provided by PoCRA. Supplier need to superimpose all the satellite derived & Geo tag information on base map and generate spatial map
172	Finance and accounting application9. Finance and accounting application	328	- Project fund management (budget and expenditure monitoring) - Project management and support (Vendor payment Management including office establishment, consultancy, incremental cost, M&E and ICT) - HR expenditure management - Financial reporting - Monitoring of audit and audit compliance	As per our understanding the proposed Finance and Account application should be able to provide only the following: 1. Budget management 2. Expenditure booking 3. Audit req 4. Reporting Please confirm.	Please refer FRS in the revised RFB document.
173	Section 9 Finance and accounting application	331	1.2. Approval of targets, fund allocation and disbursement 1.3. Utilization of funds and booking of	What User base that you envisage for Finance and accounting application?	There will be approx. 200 User for the Finance & Accounting

S.NO.	Bidding Document Reference (Section /Clause)	Page Number of revised RFB	Content of RFB requiring Clarification(s)	Query by the Bidder	Reply to Queries
			expenditure 1.4. Fund monitoring 2. Project management and support (Vendor payment Management including office establishment, consultancy, incremental cost, M&E and ICT) 5. Monitoring of audit and audit compliance	How many concurrent users do you think will use this system?	applications and approx. 30% will be concurrent user
174	SECTION VIII - GENERAL CONDITIONS OF CONTRACT General Conditions of Contract -> A. CONTRACT AND INTERPRETATION Article 1.1 (c) (xvii) Definition of Intellectual Property	363	"Intellectual Property Rights" means any and all copyright, moral rights, trademark, patent, and other intellectual and proprietary rights, title and interests worldwide, whether vested, contingent, or future, including without limitation all economic rights and all exclusive rights to reproduce, fix, adapt, modify, translate, create derivative works from, extract or re-utilize data from, manufacture, introduce into circulation, publish, distribute, sell, license, sublicense, transfer, rent, lease, transmit or provide access electronically, broadcast, display, enter into computer memory, or otherwise use any portion or copy, in whole or in part, in any form, directly or indirectly, or to authorize or assign others to do so.	Infosys proposes to change the definition as - "Intellectual Property Rights means patents, rights to inventions, copyright and related rights, trademarks and service marks, trade names and domain names, rights to goodwill or to sue for passing off or unfair competition, rights in designs, rights in computer software, database rights, rights in confidential information (including know-how and trade secrets) and any other intellectual property rights, in each case whether registered or unregistered and including all applications (or rights to apply) for, and renewals or extensions of, such rights and all similar or equivalent rights or forms of protection which subsist or will subsist now or in the future in any part of the world."	Supplier will continue to own the IP for the pre-existing platform. Any licenses for 3rd party software used in the platform shall be assigned to PoCRA upon system acceptance for Phase 1. Executable code / object code for such 3rd party licenses shall be provided to PoCRA upon Go Live and upon every subsequent system upgrade of these 3rd party licenses. Source code for any algorithms custom developed for PoCRA shall be provided to PoCRA upon Go Live. Any pre-existing platform source code shall be provided to PoCRA in an escrow arrangement at Go Live. Supplier shall provide evidence of such escrow having been executed to PoCRA's benefit as a pre-condition to the Go Live milestone being certified. Such escrow rights shall be exercised by PoCRA only upon Bankruptcy or Liquidation of the Supplier, or on account of Termination of Contract for Cause.
175	SECTION VIII - GENERAL	369	The Bank requires compliance with the Bank's Anti-Corruption Guidelines and its	Infosys would like to submit the following points:	RFB Condition prevails

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	CONDITIONS OF CONTRACT Article 6.1- Fraud and Corruption- reference to the Appendix to the GCC Banks Anti-Corruption Guidelines and Article 9.8- Suppliers Responsibilities		prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework, as set forth in the Appendix to the GCC. Pursuant to paragraph 2.2 e. of Appendix B to the General Conditions the Supplier shall permit and shall cause its subcontractors and subconsultants to permit, the Bank and/or persons appointed by the Bank to inspect the Site and/or the accounts and records relating to the procurement process, selection and/or contract execution, and to have such accounts and records audited by auditors appointed by the Bank if requested by the Bank. The Supplier's and its Subcontractors' and subconsultants' attention is drawn to Sub-Clause 6.1 which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures).	1. The scope of the audit is too broad wherein the auditor appointed by the bank has the right to inspect all accounts, records and documents related to the procurement process, selection and contract execution. During audit, neither purchaser nor the bank can audit Infosys internal costs and margins, expenses, third party costs, internal audit information or any data related to other customers. 2. The auditors on behalf of the bank should be bound by an NDA 3. Audit cannot be done for more than once a year 4. The bank can do an audit for only one year from the date of expiration or termination of the agreement	
176	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 9.5- Suppliers responsibilities	370	The Supplier shall, unless specifically excluded in the Contract, perform all such work and / or supply all such items and Materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Operational Acceptance of the System as if such work and / or items and Materials were expressly mentioned in the Contract.	Infosys would like to submit that it will ensure compliance with all the applicable laws as provided in the Annexure to the GCC, however, it can only agree to indemnify the Purchaser for any violation of laws. Infosys would like to submit that it can only indemnify the Purchaser against third party claims for violation of law committed by Infosys	No comment

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				that has led to a direct loss to the Purchaser.	
177	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 12.3- Terms of Payment	374	Payments shall be made promptly by the Purchaser, but in no case later than forty-five (45) days after submission of a valid invoice by the Supplier. In the event that the Purchaser fails to make any payment by its respective due date or within the period set forth in the Contract, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate(s) specified in the SCC for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.	Under the GCC, Infosys can claim interest on late payment, however under the SCC there is no provision. This is contradictory and we would request that the clauses are aligned to reflect the same intent as that of the GCC.	Please refer Section SCC clause no. GCC12.3 page no 428
178	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 13.2- Advance Payment Security	375	Advance Payment Security 13.2.1 The Supplier shall provide within twenty-eight (28) days of the notification of Contract award an Advance Payment Security in the amount and currency of the Advance Payment specified in SCC for GCC Clause 12.1 above and valid until the System is Operationally Accepted. 13.2.2 The security shall be in the form provided in the bidding documents or in another form acceptable to the Purchaser. The amount of the security shall be reduced in proportion to the value of the System executed by and paid to the Supplier from time to time and shall automatically become null and void when the full amount of the advance payment has been recovered by the Purchaser. Unless otherwise specified in the SCC, the reduction in value and expiration of the Advance Payment Security are calculated as follows:	We request that Purchaser to specify the purpose of clause 13.2	Advance Payment is not allowed / Permitted in this RFB. Therefore, Advance payment security is not in the scope of RFB

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			P*a/(100-a), where "P" is the sum of all payments effected so far to the Supplier (excluding the Advance Payment), and "a" is the Advance Payment expressed as a percentage of the Contract Price pursuant to the SCC for GCC Clause 12.1. The security shall be returned to the Supplier immediately after its expiration.		
179	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Section D-Intellectual Property	377	As per the government of India guidelines and directives under NeGP, the PoCRA department will have the complete / sole ownership of the following, during the entire contractual period and after: • The proposed PoCRA application/ solution, including its source code, process documentation, system flow diagrams and any relevant IT information designed, used or developed during the contract period will completely be owned by PoCRA will remain exclusively with PoCRA only. The source code of the customized portion alone may be supplied. • All types of Licenses. It is a mandatory requirement that any licenses needed for successful design, development, implementation and operations of the PoCRA application must be perpetual licenses and procured in the name of the government / PoCRA, all the license cost will be borne by the Bidder/JV during the project Intellectual Property Rights. • All types of Licenses. It is a mandatory requirement that any licenses needed for successful design, development, implementation and operations of the PoCRA	• Any licenses procured by Infosys for the performance of the deliverable will be on an as-is basis and we will not assume any liability of any third-party materials. • With respect to the rights to reuse of any IPR developed, Infosys will need to retain its IP rights on all the Infosys pre-existing IP that was used as part of the deliverable. • Infosys would like to provide similar services to its other customers, we cannot accept to royalty payment. If Infosys provides similar services to any other customers, we cannot divulge the commercials of the deal as that falls under confidential information. Hence, such a clause is unacceptable. • Infosys retains all rights in know-how and experience gained while working on this deal.	Supplier will continue to own the IP for the pre-existing platform. Any licenses for 3rd party software used in the platform shall be assigned to PoCRA upon system acceptance for Phase 1. Executable code / object code for such 3rd party licenses shall be provided to PoCRA upon Go Live and upon every subsequent system upgrade of these 3rd party licenses. Source code for any algorithms custom developed for PoCRA shall be provided to PoCRA upon Go Live. Any pre-existing platform source code shall be provided to PoCRA in an escrow arrangement at Go Live. Supplier shall provide evidence of such escrow having been executed to PoCRA's benefit as a pre-condition to the Go Live milestone being certified. Such escrow rights shall be exercised by PoCRA only upon Bankruptcy or Liquidation of the Supplier, or on account of Termination of Contract for Cause.

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			application must be perpetual licenses and procured in the name of the government / PoCRA. • At no point during the entire contract duration and after, the Bidder/JV shall claim right on any 'Intellectual Property'. Also, since the department will hold the complete rights of the IPRs, the Bidder/JV must not use any of the IPRs in any of the projects other than that of PoCRA automation project, without written approval from the department. • In case the Bidder/JV wishes to utilize the domain knowledge, solution design, expertise, software application, etc. anywhere else, they will have to pay "Royalty" to the department. The terms & conditions of the "Royalty" as well as the percentage in financial terms would be at the sole discretion of the department. Any deviation from the above will attract financial penalty as well as legal action, as deemed necessary.		
180	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 15.1- Copyright	377	The Intellectual Property Rights in all Standard Software and Standard Materials shall remain vested in the owner of such rights.	The ownership of the standard software and standard materials listed out by Infosys shall remain with Infosys at all times.	Supplier will continue to own the IP for the pre-existing platform. Any licenses for 3rd party software used in the platform shall be assigned to PoCRA upon system acceptance for Phase 1. Executable code / object code for such 3rd party licenses shall be provided to PoCRA upon Go Live and upon every subsequent system upgrade of these 3rd party licenses. Source code for any algorithms custom developed for PoCRA shall be

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					provided to PoCRA upon Go Live. Any pre-existing platform source code shall be provided to PoCRA in an escrow arrangement at Go Live. Supplier shall provide evidence of such escrow having been executed to PoCRA's benefit as a pre-condition to the Go Live milestone being certified. Such escrow rights shall be exercised by PoCRA only upon Bankruptcy or Liquidation of the Supplier, or on account of Termination of Contract for Cause.
181	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 15.4- Copyright	378	Unless otherwise specified in the SCC, the Intellectual Property Rights in all Custom Software and Custom Materials specified in Appendices 4 and 5 of the Contract Agreement (if any) shall, at the date of this Contract or on creation of the rights (if later than the date of this Contract), vest in the Purchaser. The Supplier shall do and execute or arrange for the doing and executing of each necessary act, document, and thing that the Purchaser may consider necessary or desirable to perfect the right, title, and interest of the Purchaser in and to those rights. In respect of such Custom Software and Custom Materials, the Supplier shall ensure that the holder of a moral right in such an item does not assert it, and the Supplier shall, if requested to do so by the Purchaser and where permitted by applicable law, ensure that the holder of such a moral right waives it.	The clause to read as follows- Unless otherwise specified in the SCC, the Intellectual Property Rights in all Custom Software and Custom Materials specified in Appendices 4 and 5 of the Contract Agreement (if any) shall, upon payment, vest in the Purchaser. The Supplier shall do and execute or arrange for the doing and executing of each necessary act, document, and thing that the Purchaser may consider necessary or desirable to perfect the right, title, and interest of the Purchaser in and to those rights. In respect of such Custom Software and Custom Materials, the Supplier shall ensure that the holder of a moral right in such an item does not assert it, and the Supplier shall, if requested to do so by the Purchaser and where permitted by applicable law, ensure that the holder of such a moral right waives it.	Supplier will continue to own the IP for the pre-existing platform. Any licenses for 3rd party software used in the platform shall be assigned to PoCRA upon system acceptance for Phase 1. Executable code / object code for such 3rd party licenses shall be provided to PoCRA upon Go Live and upon every subsequent system upgrade of these 3rd party licenses. Source code for any algorithms custom developed for PoCRA shall be provided to PoCRA upon Go Live. Any pre-existing platform source code shall be provided to PoCRA in an escrow arrangement at Go Live. Supplier shall provide evidence of such escrow having been executed to PoCRA's benefit as a pre-condition to the Go Live milestone being certified. Such escrow rights

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					shall be exercised by PoCRA only upon Bankruptcy or Liquidation of the Supplier, or on account of Termination of Contract for Cause.
182	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 23.2-Product Upgrades	390	At any point during performance of the Contract, for Information Technologies still to be delivered, the Supplier will also pass on to the Purchaser any cost reductions and additional and/or improved support and facilities that it offers to other clients of the Supplier in the Purchaser's Country, pursuant to GCC Clause 39 (Changes to the System).	Any cost reductions made or additional facilities provided to any other customer will be deal specific and we may not be in a position to extend the same benefits to this deal. The quote for this Bid has been decided keeping in mind the current deliverable and we may not be able to offer cost reductions while maintaining the same bid quote. Hence request for this clause to be deleted.	RFB Condition prevails
183	E. SUPPLY, INSTALLATION, TESTING, COMMISSIONING, AND ACCEPTANCE OF THE SYSTEM23. Product Upgrades	390	Section 23.2 - At any point during performance of the Contract, should technological advances be introduced by the Supplier for Information Technologies originally offered by the Supplier in its bid and still to be delivered, the Supplier shall be obligated to offer to the Purchaser the latest versions of the available Information Technologies having equal or better performance or functionality at the same or lesser unit prices, pursuant to GCC Clause 39 (Changes to the System).	Infosys proposes to delete this clause as the price of OEMs will be agreed during submission as per RFB scope and prices will not be revised later.	RFB Condition prevails
184	E. SUPPLY, INSTALLATION, TESTING, COMMISSIONING, AND ACCEPTANCE OF THE SYSTEM23. Product Upgrades	390	During performance of the Contract, the Supplier shall offer to the Purchaser all new versions, releases, and updates of Standard Software, as well as related documentation and technical support services, within thirty (30) days of their availability from the Supplier to other clients of the Supplier in the Purchaser's Country, and no later than	Updation of software, hardware/ appliances are dependent on OEMs terms and conditions, product update policies and IP rules etc. We propose to delete this clause.	RFB Condition prevails

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			twelve (12) months after they are released in the country of origin. In no case will the prices for these Software exceed those quoted by the Supplier in the Recurrent Costs tables in its bid.		
185	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 25.3-Inspections and Tests	391	Should the inspected or tested components fail to conform to the Contract, the Purchaser may reject the component(s), and the Supplier shall either replace the rejected component(s), or make alterations as necessary so that it meets the Contract requirements free of cost to the Purchaser.	Infosys would like to propose the following- Should the inspected or tested components fail to conform to the Contract, the Purchaser may reject the component(s) and provide reasons for the same. The Supplier shall either replace the rejected component(s), or make alterations as necessary so that it meets the Contract requirements free of cost to the Purchaser.	RFB Condition prevails
186	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 29.1- Defect Liability	397	The Supplier warrants that the System, including all Information Technologies, Materials, and other Goods supplied and Services provided, shall be free from defects in the design, engineering, Materials, and workmanship that prevent the System and/or any of its components from fulfilling the Technical Requirements or that limit in a material fashion the performance, reliability, or extensibility of the System and/or Subsystems. Unless otherwise specified in the SCC, there will be NO exceptions and/or limitations to this warranty with respect to Software (or categories of Software). Commercial warranty provisions of products supplied under the Contract shall apply to the extent that they do not conflict with the provisions of this Contract.	The clause to be read as follows- The Supplier warrants that the System, including all Information Technologies, Materials and other Goods and Services provided, shall be in accordance with the specification mentioned in the Contract Documents and the generally accepted industry standards and practices. Unless otherwise specified in the SCC, there will be NO exceptions and/or limitations to this warranty with respect to Software (or categories of Software). Commercial warranty provisions of products supplied under the Contract shall apply to the extent that they do not conflict with the provisions of this Contract.	RFB Condition prevails

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187	PART 3 – CONDITIONS OF CONTRACT AND CONTRACT FORMS29. Defect Liability	397	29.4 Unless otherwise specified in the SCC, the Warranty Period shall commence from the date of Operational Acceptance of the System (or of any major component or Subsystem for which separate Operational Acceptance is provided for in the Contract) and shall extend for thirty-six (36) months.	Warranty phase duration is contradictory in RFB, at one place its mention that warranty phase will continue till 36 months. will it be part of 5 years Operations and maintenance phase? Please confirm.	The specified clause 29.4 is for the additional warranty required by the PoCRA after the contract period.
188	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 30.2- Functional Guarantees	399	If, for reasons attributable to the Supplier, the System does not conform to the Technical Requirements or does not conform to all other aspects of the Contract, the Supplier shall at its cost and expense make such changes, modifications, and/or additions to the System as may be necessary to conform to the Technical Requirements and meet all functional and performance standards. The Supplier shall notify the Purchaser upon completion of the necessary changes, modifications, and/or additions and shall request the Purchaser to repeat the Operational Acceptance Tests until the System achieves Operational Acceptance.	The clause to be modified as follows- If, for reasons attributable to the Supplier, the System does not conform to the Technical Requirements or does not conform to all other aspects of the Contract, the Supplier during the Warranty Period shall at its cost and expense make such changes, modifications, and/or additions to the System as may be necessary to conform to the Technical Requirements and meet all functional and performance standards. The Supplier shall notify the Purchaser upon completion of the necessary changes, modifications, and/or additions and shall request the Purchaser to repeat the Operational Acceptance Tests until the System achieves Operational Acceptance.	RFB Condition prevails
189	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 30.3-Functional Guarantees	399	If the System (or Subsystem[s]) fails to achieve Operational Acceptance, the Purchaser may consider termination of the Contract, pursuant to GCC Clause 41.2.2, and forfeiture of the Supplier's Performance Security in accordance with GCC Clause. 13.3 in compensation for the extra costs and delays likely to result from this failure.	In the instance Infosys is unable to achieve Operational Acceptance, Infosys can agree to termination of the Contract, however we will not be willing to forfeit the performance Security. We could agree to refund of the fee paid in advance by the purchaser.	RFB Condition prevails

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190	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 31.1-Intellectual Property Rights Warranty	400	The Supplier hereby represents and warrants that: (a) the System as supplied, installed, tested, and accepted; (b) use of the System in accordance with the Contract; and (c) copying of the Software and Materials provided to the Purchaser in accordance with the Contract do not and will not infringe any Intellectual Property Rights held by any third party and that it has all necessary rights or at its sole expense shall have secured in writing all transfers of rights and other consents necessary to make the assignments, licenses, and other transfers of Intellectual Property Rights and the warranties set forth in the Contract, and for the Purchaser to own or exercise all Intellectual Property Rights as provided in the Contract. Without limitation, the Supplier shall secure all necessary written agreements, consents, and transfers of rights from its employees and other persons or entities whose services are used for development of the System.	While providing the deliverable and services Infosys has the necessary checks and balances in place to ensure that the code does not infringe any third-party IP rights, but we cannot warrant that we will not infringe any third-party IP. In addition, we are providing an indemnity for any IP breach for which we have unlimited liability, hence we cannot agree to have this clause in the RFB.	RFB Condition prevails
191	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 32.1-Intellectual Property Rights Indemnity	400	The Supplier shall indemnify and hold harmless the Purchaser and its employees and officers from and against any and all losses, liabilities, and costs (including losses, liabilities, and costs incurred in defending a claim alleging such a liability), that the Purchaser or its employees or officers may suffer as a result of any infringement or alleged infringement of any Intellectual Property Rights by reason of:	Infosys shall only indemnify the purchaser only in the instance when any third-party claims have been raised against the purchaser as against all losses, liabilities and costs against the purchaser. Further, Infosys shall indemnify the purchaser only in cases of proven infringement and not in cases of any alleged infringement.	RFB conditions prevails

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			(a) installation of the System by the Supplier or the use of the System, including the Materials, in the country where the site is located; (b) copying of the Software and Materials provided the Supplier in accordance with the Agreement; and (c) sale of the products produced by the System in any country, except to the extent that such losses, liabilities, and costs arise as a result of the Purchaser's breach of GCC Clause 32.2.		
192	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 33.1(b)-Limitation of Liability	402	the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation. shall not apply to any obligation of the Supplier to indemnify the Purchaser with respect to intellectual property rights infringement.	The clause to be modified to read as follows- the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to any obligation of the Supplier to indemnify the Purchaser with respect to any third-party claims on intellectual property rights infringement.	RFB Condition prevails
193	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 36.2-Loss of or Damage to Property; Accident or injury to Workers; Indemnification	404	Subject to GCC Clause 36.3, the Supplier shall indemnify and hold harmless the Purchaser and its employees and officers from and against any and all losses, liabilities and costs (including losses, liabilities, and costs incurred in defending a claim alleging such a liability) that the Purchaser or its employees or officers may suffer as a result of the death or injury of any person or loss of or damage to any property (other than the System, whether accepted or not) arising in connection with the supply, installation, testing, and Commissioning of the System	The Supplier shall indemnify and hold harmless the Purchaser only from third party claims. Further, property in the clause to be limited to only tangible property.	RFB conditions prevails

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			and by reason of the negligence of the Supplier or its Subcontractors, or their employees, officers or agents, except any injury, death, or property damage caused by the negligence of the Purchaser, its contractors, employees, officers, or agents.		
194	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 36.4- Loss of or Damage to Property; Accident or injury to Workers; Indemnification	405	The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from any and all losses, liabilities, and costs (including losses, liabilities, and costs incurred in defending a claim alleging such a liability) that the Supplier or its employees, officers, or Subcontractors may suffer as a result of the death or personal injury of any person or loss of or damage to property of the Purchaser, other than the System not yet achieving Operational Acceptance, that is caused by fire, explosion, or any other perils, in excess of the amount recoverable from insurances procured under GCC Clause 37 (Insurances), provided that such fire, explosion, or other perils were not caused by any act or failure of the Supplier.	We cannot agree to any amount being recoverable from our insurance cover as we are indemnifying the purchaser for death, bodily injury and damage to property as mentioned under clause 36.2.	RFB Condition prevails
195	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 37.1(a)- Insurances	405	The Supplier shall at its expense take out and maintain in effect, or cause to be taken out and maintained in effect, during the performance of the Contract, the insurance set forth below. The identity of the insurers and the form of the policies shall be subject to the approval of the Purchaser, who should not unreasonably withhold such approval. (a) Cargo Insurance During Transport. as applicable, 110 percent of the price of the Information Technologies and other Goods in	Infosys does not have a cargo Insurance During transport policy as this is not applicable to an IT company.	RFB Condition prevails

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			a freely convertible currency, covering the Goods from physical loss or damage during shipment through receipt at the Project Site.		
196	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 37.2- Insurances	406	The Purchaser shall be named as co-insured under all insurance policies taken out by the Supplier pursuant to GCC Clause 37.1, except for the Third-Party Liability, and the Supplier's Subcontractors shall be named as co-insured under all insurance policies taken out by the Supplier pursuant to GCC Clause 37.1 except for Cargo Insurance During Transport. All insurer's rights of subrogation against such co-insured for losses or claims arising out of the performance of the Contract shall be waived under such policies.	Infosys can name the Purchaser as an additional insured party instead of a co-insured party.	RFB Condition prevails
197	H. CHANGE IN CONTRACT ELEMENTSH. CHANGE IN CONTRACT ELEMENTS	411	39.2.5 : If before or during the preparation of the Change Proposal it becomes apparent that the aggregate impact of compliance with the Request for Change Proposal and with all other Change Orders that have already become binding upon the Supplier under this GCC Clause 39 would be to increase or decrease the Contract Price as originally set forth in Article 2 (Contract Price) of the Contract Agreement by more than fifteen (15) percent, the Supplier may give a written notice of objection to this Request for Change Proposal prior to furnishing the Change Proposal. If the Purchaser accepts the Supplier's objection, the Purchaser shall withdraw the proposed Change and shall notify the Supplier in writing of its acceptance.	Infosys proposes to process any changes to functional / technical scope of the RFB through change request process. Price of the RFB will not have any correlation with change request.	Supplier need to provide rate of man month for change request in the financial bid.

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198	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 41.1.1-Termination	414	The Purchaser may at any time terminate the Contract for any reason by giving the Supplier a notice of termination that refers to this GCC Clause 41.1.	The Purchaser may at any time terminate the Contract for any reason by giving the Supplier a notice of termination with a notice period of 90 days that refers to this GCC Clause 41.1.	RFB Condition prevails
199	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 41.6- Termination	414	NA, we suggested to add this clause.	To add the following clause- Either party has the right to terminate this Contract if the other breaches or is in default of any obligation hereunder which default is incapable of cure or which, being capable of cure, has not been cured within thirty (30) calendar days after receipt of mandatory notice of such default (or such additional cure period as the non-defaulting party may authorize)	RFB Condition prevails
200	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 41.2.1- Termination for Supplier's Default	415	The Purchaser, without prejudice to any other rights or remedies it may possess, may terminate the Contract forthwith in the following circumstances by giving a notice of termination and its reasons therefore to the Supplier, referring to this GCC Clause 41.2: (a) if the Supplier becomes bankrupt or insolvent, has a receiving order issued against it, compounds with its creditors, or, if the Supplier is a corporation, a resolution is passed or order is made for its winding up (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), a receiver is appointed over any part of its undertaking or assets, or if the Supplier takes or suffers any other analogous action in consequence of debt; (b) if the Supplier assigns or transfers the	To modify the clause in the following manner- The Purchaser, without prejudice to any other rights or remedies it may possess, may terminate the Contract forthwith by giving a notice period of thirty (30) days in the following circumstances by giving a notice of termination and its reasons therefore to the Supplier, referring to this GCC Clause 41.2:	RFB Condition prevails

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			Contract or any right or interest therein in violation of the provision of GCC Clause 42 (Assignment); or (c) if the Supplier, in the judgment of the Purchaser has engaged in Fraud and Corruption, as defined in paragraph 2.2 a. of the Appendix to the GCC, in competing for or in executing the Contract, including but not limited to wilful misrepresentation of facts concerning ownership of Intellectual Property Rights in, or proper authorization and/or licenses from the owner to offer, the hardware, software, or materials provided under this Contract. then the Purchaser may, without prejudice to any other rights it may possess under the Contract, give a notice to the Supplier stating the nature of the default and requiring the Supplier to remedy the same. If the Supplier fails to remedy or to take steps to remedy the same within fourteen (14) days of its receipt of such notice, then the Purchaser may terminate the Contract forthwith by giving a notice of termination to the Supplier that refers to this GCC Clause 41.2.		
201	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 41.2.2 (a)- Termination for Supplier's Default	416	If the Supplier: (a) has abandoned or repudiated the Contract; (b) has without valid reason failed to commence work on the System promptly; (c) persistently fails to execute the Contract in accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just cause;	Infosys does not agree to the term "repudiation" being present in the contract. Further the term abandonment is very broad and very subjective in nature. We will require the purchaser to define the term and call out specific instances which will fall under abandonment of the contract. Further, please mention a cure period and an escalation matrix in this process.	RFB Condition prevails

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			(d) refuses or is unable to provide sufficient Materials, Services, or labour to execute and complete the System in the manner specified in the Agreed Project Plan furnished under GCC Clause 19 at rates of progress that give reasonable assurance to the Purchaser that the Supplier can attain Operational Acceptance of the System by the Time for Achieving Operational Acceptance as extended;		
202	H. CHANGE IN CONTRACT ELEMENTSH. CHANGE IN CONTRACT ELEMENTS	417	If the Purchaser completes the System, the cost of completing the System by the Purchaser shall be determined. If the sum that the Supplier is entitled to be paid, pursuant to GCC Clause 41.2.5, plus the reasonable costs incurred by the Purchaser in completing the System, exceeds the Contract Price, the Supplier shall be liable for such excess. If such excess is greater than the sums due the Supplier under GCC Clause 41.2.5, the Supplier shall pay the balance to the Purchaser, and if such excess is less than the sums due the Supplier under GCC Clause 41.2.5, the Purchaser shall pay the balance to the Supplier. The Purchaser and the Supplier shall agree, in writing, on the computation described above and the manner in which any sums shall be paid.	Given clause is open ended and leads bidder to unlimited liability situation. we propose to pay 110% of the remaining amount, if the termination is due to breach by the supplier	RFB Condition prevails
203	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 41.2.5- Termination	417	Subject to GCC Clause 41.2.6, the Supplier shall be entitled to be paid the Contract Price attributable to the portion of the System executed as at the date of termination and the costs, if any, incurred in protecting the	We would like the clause to read as Follows-Subject to GCC Clause 41.2.6, the Supplier shall be entitled to be paid the Contract Price attributable to the portion of the System executed as at the	RFB Condition prevails

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			System and in leaving the site in a clean and safe condition pursuant to GCC Clause 41.2.3 (a). Any sums due the Purchaser from the Supplier accruing prior to the date of termination shall be deducted from the amount to be paid to the Supplier under this Contract.	date of termination and the costs, if any, incurred in protecting the System and in leaving the site in a clean and safe condition pursuant to GCC Clause 41.2.3 (a). Any sums due the Purchaser from the Supplier accruing prior to the date of termination, the Supplier shall issue a credit note to the Purchaser for the same.	
204	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 41.3.1(a)- Termination	418	the Purchaser has failed to pay the Supplier any sum due under the Contract within the specified period, has failed to approve any invoice or supporting documents without just cause pursuant to the SCC, or commits a substantial breach of the Contract, the Supplier may give a notice to the Purchaser that requires payment of such sum, with interest on this sum as stipulated in GCC Clause 12.3, requires approval of such invoice or supporting documents, or specifies the breach and requires the Purchaser to remedy the same, as the case may be. If the Purchaser fails to pay such sum together with such interest, fails to approve such invoice or supporting documents or give its reasons for withholding such approval, fails to remedy the breach or take steps to remedy the breach within fourteen (14) days after receipt of the Supplier's notice; or	For any delayed payments, the Purchaser needs to pay those invoices with an interest on the amount due to the supplier. This provision contradicts what is mentioned in GCC clause 12.3 which has no provision of any late payments. This is contradictory and we would request that the clauses are aligned to reflect the same intent.	Please refer Section SCC clause no. GCC12.3 page no 428
205	SECTION VIII - GENERAL CONDITIONS OF CONTRACT Article 2.2(e) Appendix	424	Requires that a clause be included in bidding/request for proposals documents and in contracts financed by a Bank loan, requiring (I) bidders (applicants/proposers), consultants, contractors, and suppliers, and their sub-contractors, sub-consultants,	We do not agree to sharing the documents mentioned in this clause as this is part of our confidential information.	RFB Condition prevails

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	Fraud and Corruption		service providers, suppliers, agents personnel, permit the Bank to inspect3 all accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the Bank.				
206	SECTION III - EVALUATION AND QUALIFICATION CRITERIA Implementation Schedule	427	NA	Payment terms are not linked with total duration of the project, i.e. Implementation, warranty phase and support.	#	Payment Terms	Implementation Time line (Weeks)
					1	C1: Five percent (5%) of the Total Value of C1 shall be paid after submission of inception report and project plan	T+2
					2	C1: Five percent (5%) of the Total Value of C1 shall be paid after accepting SRS document of Applications B (Phase II)	T+12
					3	C1: Fifteen percent	T+20

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						(15%) of the Total Value of C1 shall be paid after accepting UAT of Applications A (Phase I)	
					4	C1: Fifteen percent (15%) of the Total Value of C1 shall be paid after accepting UAT of Applications B (Phase II)	T+30
					5	C2: 60% of payment of total C2 value will be paid on successful implementation of IoT units on the field.	T+38

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					*Payments will be made on successful completion of respective milestone
207	SECTION IX - SPECIAL CONDITIONS OF CONTRACT Terms of Payment (GCC Clause 12)	427	NA	We propose to add separate payment terms for Software. Hardware/appliances and services.	RFB Condition prevails
208	Payment Terms for C1	428	Five percent (5%) of the Total Value of C1 shall be paid after submission of inception report and project plan · Five percent (5%) of the Total Value of C1 shall be paid after accepting SRS document of Applications B · Fifteen percent (15%) of the Total Value of C1 shall be paid after accepting UAT of Applications A · Fifteen percent (15%) of the Total Value of C1 shall be paid after accepting UAT of Applications B · Sixty percent (60%) of the Total Value of C1 shall be paid in 20 equal quarters at the rate of 3% per QGR	As per this plan, the 40% of the delivered solution cost is coming is 2 years and rest of the 60% is 20 Quarters. We request you to increase the payment in initial period i.e. in first year at least 30% and second year 30%. The rest of 40% is 20 Qtrs. By doing this, we as a vendor gets better mileage to manage overall cashflows and able to manage the growth of the platform in more better way.	Cost C1 is including of development, implementation and Maintenance for 5 years. The 40% of the payment made up to operational acceptance is of C1 and not only the cost of development.
209	C. PAYMENT8. Terms of Payment (GCC Clause 12)	428	Payment Terms for C1: · Five percent (5%) of the Total Value of C1 shall be paid after submission of inception report and project plan · Five percent (5%) of the Total Value of C1 shall be paid after accepting SRS document of Applications B · Fifteen percent (15%) of the Total Value of C1 shall be paid after accepting UAT of Applications A	Please modify the payment terms as follows: Payment Terms for C1: · Five percent (10%) of the Total Value of C1 shall be paid after submission of inception report and project plan · Five percent (15%) of the Total Value of C1 shall be paid after accepting SRS document of Applications B · Fifteen percent (10%) of the Total	RFB Condition prevails

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			· Fifteen percent (15%) of the Total Value of C1 shall be paid after accepting UAT of Applications B · Sixty percent (60%) of the Total Value of C1 shall be paid in 20 equal quarters at the rate of 3% per QGR	Value of C1 shall be paid after accepting UAT of Applications A · Fifteen percent (15%) of the Total Value of C1 shall be paid after accepting UAT of Applications B · Sixty percent (50%) of the Total Value of C1 shall be paid in 20 equal quarters at the rate of 2.5% per QGR	
210	C. PAYMENT8. Terms of Payment (GCC Clause 12)	428	Payment Terms for C2: · 60% of payment of total C2 value will be paid on successful implementation of IoT units on the field. · 40% of the total C2 value will be paid in 20 QGR (at the rate of 2% per quarter)	Please modify the payment terms as follows: Payment Terms for C2: · 70% of payment of total C2 value will be paid on successful implementation of IoT units on the field. · 30% of the total C2 value will be paid in 20 QGR (at the rate of 1.5% per quarter)	RFB Condition prevails
211	General	General		In the Pre-bid meeting it was mentioned that accuracy of quality of advisories would be ascertained by a joint technical committee, including representations from successful bidder. Any disagreement within this committee will be resolved by consensus and fair assessment. Please confirm.	1)Quality of the advisories will be ascertained by the technical committee. 2)PoCRA will set up a project governance structure for project management under this assignment.
212	General query		We are talking about creating a digital platform to create a digital and agriculture learning platform. Agriculture lands/firms are very remote, the signals purely based on 3G/4G/GPRS alone will not be a fully viable solution.	Are we talking about laying an alternate RF/LoRa network, by the bidder? As LoRa has to have volume to be cost effective, your thought on this?	Supplier need to provide solution
213	SIEM		Security Incident and Event Management	Does Customer looking for new SIEM solution? If yes, Please response to below queries.	Please refer scope of work in the RFB document

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214	General		Security Incident and Event Management	Does Customer require hybrid? On-premise? Or in cloud? SIEM solution	Please refer scope of work in the RFB document
215	General		Security Incident and Event Management	Does Customer have existing SIEM solution in place? Please share name of security SIM tool. What is the technology being implemented? How is the information being managed? Are the SOC operation 24x7?	Please refer scope of work in the RFB document
216	General		Security Incident and Event Management	List of device types along with count if New SIEM Solution platform required.	Please refer scope of work in the RFB document
217	General		Security Incident and Event Management	Please share the number of remote locations DC, DR to collect the logs?	Please refer scope of work in the RFB document
218	General		Security Incident and Event Management	Does event collector require @DC, DR, remote locations in HA (High Availability) mode? What is HA & DR requirement of solution?	Please refer scope of work in the RFB document
219	General		Security Incident and Event Management	Expected EPS along with scalability for required SIEM Solution platform required?	Please refer scope of work in the RFB document
220	General		Security Incident and Event Management	Please share the list of Log sources to consider and calculate EPS for SIEM solutions.	Please refer scope of work in the RFB document
221	General		Security Incident and Event Management	Log storage duration-raw/normalized (Online storage), Retention period (Offline storage)?	Please refer scope of work in the RFB document
222	General		Security Incident and Event Management	Does Customer also looking for UEBA, SOAR functionalities required in SIEM solution?	Please refer scope of work in the RFB document
223	General		Security Incident and Event Management	Does Customer require skilled cyber security analyst to manage the SOC-SIEM? If yes, onsite/Offshore	Please refer scope of work in the RFB document
224	General			In Pre-bid meeting, it was mentioned that experience in Agriculture projects would be accepted criteria without	Experience of Application development in any of the following areas would be considered

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				exclusive Watershed experience for Citation# 3, 4 & 5. Please confirm.	1) Agriculture sector 2) Climate resilience 3) Watershed management
225	General			In Pre-bid meeting, in the interest of providing right advisory to the farmers, it was mentioned that PoCRA will share all algorithms and models already available with them for use by the successful bidder. Please confirm.	PoCRA has developed water balanced frame work with IIT Mumbai, the same shall be shared with the supplier.
226	General			In Pre-bid meeting, it was mentioned that successful bidder will have access to output provided by IIT B through API which can be consumed by PoCRA Digital Platform. Please confirm.	Confirmed
227	General			In Pre-bid meeting, it was mentioned that Cadastral maps would be in digitized form. Please confirm.	Confirmed
228	General			In Pre-bid meeting, it was mentioned that PoCRA DBT application will be the system of records for Farmer Profile and all existing PoCRA applications are referring to this DBT application for farmer data. Please confirm.	DBT portal captures limited information about the Farmers. Additional information may be collected depending on type of services being provided as per the scope of work.
229	General			In Pre-bid meeting, it was mentioned that only the following four existing applications are to be migrated (lift & shift) to the new PoCRA Digital Platform. Please confirm. 1.PoCRA DBT application 2. Farmers Field school 3. Micro Level Planning 4. Financial Monitoring System	Supplier need to migrate below mentioned application: - 1. PoCRA DBT application 2. Farmers Field School 3. Micro Level Planning 4. Financial Monitoring System 5.Staff Monitoring Application Above applications have limited functionalities. They need to be

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					further developed for meeting FRS or designed and developed afresh by supplier.
230	General			In Pre-bid meeting, it was mentioned that any mention of "Relevant Stakeholder" as user in FRS would be a subset of 38 user types mentioned in the section# 4.1.2 User Ecosystem. Please confirm.	Confirmed
231	General			Assuming Go Live of Integrated Digital Platform is in T + 38, will the first QGR be paid out in the T + 50th week? Is this understanding correct?	Correct
232	General			In the Pre-bid meeting it was mentioned that, adoption and data entry by end user is not in scope of bidder and is not part of operational acceptance. Please confirm.	Data entry work is not in the scope of work in this RFB
234	General			In the Pre-bid meeting it was mentioned that overall project duration would be T + 38 weeks followed by 5 years of maintenance. Please confirm.	Confirmed
235	General			In the Pre-bid meeting it was mentioned that details on warranty support would be provided under a corrigendum of this RFB. It is suggested to have non-overlapping warranty and maintenance phases to avoid any ambiguity.	Query not clear
236	General			In the pre-bid meeting, PoCRA ground level personnel will help in field data collection, however, successful bidder is expected to deploy its own staff even at	Supplier has to propose solution and deploy its own staff as per the requirement of proposed solution.

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				the cost of increased commercials. Please confirm.	
237	General			Please provide the phase wise list of deliverables expected under this RFB with corresponding acceptance criteria	Please refer Section implementation Schedule page 185 in the RFB
238	General			In the pre-bid meeting, it was mentioned that advisories are to be sent to farmers of all 5142 villages in 15 districts after Go Live (T + 38 weeks). Please confirm.	Advisories need to issue in all the villages of 15 districts
239	General			In Pre-bid meeting, it was mentioned that currently only three IT resources are supporting the following four existing applications. Please confirm. 1.PoCRA DBT application 2. Farmers Field school 3. Micro Level Planning 4. Financial Monitoring System	Confirmed
240	General			Please provide application wise ticket history and sample ticket details for support tickets of below 4 applications. 1.PoCRA DBT application 2. Farmers Field school 3. Micro Level Planning 4. Financial Monitoring System	At present no formal ticketing system has been established for supporting these applications.
241	General			Please provide technology details of below 4 applications. 1.PoCRA DBT application 2. Farmers Field school 3. Micro Level Planning 4. Financial Monitoring System	Technical specification :- 1. PoCRA DBT application ➢ Operating system Windows ➢ Web /application server IIS ➢ Server-side script: ASP.net, C# 2.Farmers Field school, Micro Level Planning, Financial Monitoring System

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					➢ Operating system – Linux/ubuntu ➢ Web application server – apache ➢ Backend – Codeigniter ➢ API – Lumen ➢ DB – PostgreSQL ➢ Mobile – Android
242	General			In Pre-bid meeting, it was mentioned that bidder is expected to take over maintenance of below four applications after Go Live (T+38 weeks). Please confirm. 1.PoCRA DBT application 2. Farmers Field school 3. Micro Level Planning 4. Financial Monitoring System	Supplier need to migrate below mentioned application: - 1. PoCRA DBT application 2. Farmers Field School 3. Micro Level Planning 4. Financial Monitoring System 5.Staff Monitoring Application Above applications have limited functionalities. They need to be further developed for meeting FRS or designed and developed afresh by supplier.
243	General			In Pre-bid meeting, it was mentioned that village master data already exists. Please confirm.	Confirmed
244	General			In Pre-bid meeting, it was mentioned that IoT scope (50 farms) has to be delivered by Go Live (T + 38 weeks). It is suggested to consider, this scope to be taken during the 1st year of maintenance so that primary focus remains on building the platform and the applications. Please consider this suggestion.	RFB Condition prevails

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245	General			In Pre-bid meeting, it was mentioned that 50 farms for the IoT Pilot will be jointly selected by the bidder and PoCRA. Please confirm.	Confirmed
246	General			In the Pre-bid meeting, it was mentioned that more clarity on IVR scope will be provided in the Corrigendum. Please provide.	Supplier need to provide CRM interface and view access of applications to call centre agents. Call centre application is not in the scope of work.
247	General			In the Pre-bid meeting, it was mentioned that solution/technical deviation will be allowed. Please confirm.	RFB Condition prevails
248	General			In the revised RFB, the scope for mobile app development is not clearly defined. To provide any estimates, we need the number of mobile apps along with feature list of each. If this is not available, the bidder will assume number of screens from their side as well as complexity. We will do a scope requirement post which will submit the revised commercials. Please confirm if this approach is ok with PoCRA. Else, please suggest the way to provide the estimates.	Supplier has to provide the solution as per FRS.
249	General			Please update if the client needs any performance testing for mobile app.	Yes, please refer section 3 & 4.2.4, Page 125 & 155 of the RFB document.
250	General			How is the current login happening for mobile app? E.g. Is it predefined through LDAP or can the user create his own login?	In current mobile applications of PoCRA, system of Single Sign On is maintained as central system to maintain directory of all PoCRA officials.

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251	General			We assume that the Cloud Service will be provided by client as per scalability of the proposed solution.	Cloud services will be provided by the supplier. Please refer section 4.1.5 Point number 3 Page 134 of the RFB document.
252	General		The selected Bidder/JV will design, build, deploy, host and maintain an Integrated Digital platform for PoCRA, hosted on cloud.	It is understood that all application, Helpdesk solution and other solution asked in the RFB need to host on cloud. Please confirm.	All the application as per the scope of work should be hosted on the cloud.
253	General			Could you please provide exact detail on various data elements captured during Farmer registration through DBT-PoCRA application (e.g. Farmer name, Farmer address (village, district, state, Pin code, Farmer email, Farmer phone number, Farm details, Farm area, Farm locations, Farm Geo-fencing, Crop details, etc?	It will be provided to the selected bidder
254	General		SMS & Email gateway	Is it under the scope of supplier or already developed with the department?	Supplier need to provide SMS & E-mail functionality as per Latest cloud GR issued by Government of Maharashtra
255	General		IDE This refers to the software application to provide an environment for software development.	Please explain this application.	IDE refers to Integrated Development Environment which is a software application that provides comprehensive facilities to computer programmers for software development, which normally consists of source code editor, automation tools and debugger.