

Request for Proposal

For

A Comprehensive Smart Solution for Mine Digitalization and real-time Monitoring of Vehicles for GMDC's multiple mines

RFP No.: GMDC/CO/IT/SM/01/2024-25

Answer to Pre - Bid Queries and Corrigendum - 1

Gujarat Mineral Development Corporation

3 December 2024

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1	Section 1: Background, Page 13 and Page 14	It also intends to digitalize its truck dispatch circuit as well as Dispatch system from existing manual process at its Mines to achieve the below mentioned objectives. <ul style="list-style-type: none"> • Avoiding duplication in processes • Reduce Turn-around time • Improved data reporting and accuracy • Reduced Environmental Impact • Fostering transparency 	Have GMDC identified the metrics of improvement against these transformation objectives? If no, do you expect the service provider to design and implement as a part of scope?	Yes, it has already been identified. As an outcome of improvement metrics, GMDC intends to implement digitalization solution as well as infrastructure augmentation.
2	Definitions Page 9	Consortiums are not permitted	Given the statement that consortiums are not permitted, will it be acceptable for GMDC that the software bidder/service provider engage in a partnership with OEM/Developers for the hardware solution scope with the software and integration bidder/service provider acting as the prime?	As per the relevant provisions of the RFP, the Consortium is not permitted to participate as Bidder.
3	Table 1 Existing Truck Movement Process description at Bhavnagar mines. Page 18 and Page 19	In Gate 5- Inside Mine Process name: Registration of Truck and Token details by Contractor's personnel and Out Gate 6- Inside Mine Registration of Truck and Token details for existing Truck from the mine area by Contractor's personnel	As per our understanding, considering the process and data point entries being the same at two check points In gate 5 and Out gate 6, may you clarify for the benefit of doubt, what is the purpose and difference between two checkpoints in terms of process and data point	The purpose of two checkpoints is to note the entry time and exit time for the respective truck for undertaking the loading of lignite at the lignite bench pit. The difference in process and data point involves noting down the entry time and exit time at checkpoint 5 and checkpoint 6 respectively of the respective truck with token details.
4	Table 1 Existing Truck Movement Process description at Bhavnagar mines. Page 18 and Page 19	Process Method Data entry in register	In the table, unless explicitly stated, can we assume that all process methods which mention data entry in register means data is only captured in registers and not in the system?	Yes.
5	Figure 2 Indicative Digitalized Process of Truck Flow Movement in Bhavnagar Mine Area. Page 23	Checkpoint 1, Checkpoint 2, Checkpoint 3, Checkpoint 4	Can you please briefly explain the approach on how you arrived at rationalizing checkpoints to 4. In this regard, if as a result of the service provider's as-is assessment, if the recommendation provision more or less	In order to remove the duplication of processes, an indicative dispatch process with 4 nos. of checkpoints and 2 no. of tracking points at Bhavnagar mine have been worked out. During the as-is

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			checkpoints will GMDC open to adapting these processes	assessment the service provider may also suggest changes with rationale to meet the objectives.
6	Part 1: AS - IS assessment / Review of the existing dispatch system & its associated operations	The service provider shall access the existing standard operating procedures, workflow diagrams, and the existing dataflow architecture across all other applications associated with the dispatch operations.	What is the current maturity level (on a scale of 1 to 5, with 5 being extremely mature) in terms of documentation of standard operating procedures, workflows, architecture diagrams across dispatch and transportation operations involved in the scope of this RFP	At this stage, foundational documentation is in place, covering key workflows and operational procedures. This will provide sufficient clarity for ongoing operations of the existing dispatch system and its associated operations.
7	Part 1: AS - IS assessment / Review of the existing dispatch system & its associated operations		Given GMDC has identified the process gaps and drafted the indicative digitized process flows, what is the extent and scope of major process reengineering involved if any?	GMDC has developed indicative digitized process flows as part of an initial assessment. The extent and scope of process reengineering required will depend on a detailed analysis undertaken by the Service Provider during the AS-IS assessment scope.
8	1.1 Solution Framework. Page 24	L2-Data Processing and Integration Layer	What is the current integration tool/tool stack used and is there a recommended integration/middleware preferred or recommended by GMDC? If not, would you expect the service provider recommend, scope the middleware for integration?	The current middleware is web logics. For the current project, the service provider is expected to recommend the middleware required for integration of all applications including third party systems.
9	Part 2: Preparation of System requirement Specification and design document (SRSD) for Mine Digitalization Solution. Page 28	The mine digitalization solution of GMDC is to be implemented in Bhavnagar Mines and shall be scaled up to cover GMDC's other mines on directions and at sole discretion of GMDC and that too upon successful implementation of Solution at Bhavnagar Mine.	We understand that the scope of rfp is for implementing the solution (software and hardware) only for Bhavnagar Mine site. Please confirm our understanding	The service provider shall implement the system first at Bhavnagar mine as a pilot. The system shall be scaled up to other mines subject to successful implementation at Bhavnagar mine as per the provisions specified in Section 9 Clause 11 of the RFP.

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10	Part 4: Development and implementation of Mine Digitalization solution,Page 29	The service provider shall be responsible for the end-to-end management of hosting and development & management of the applications.	From our understanding the service provider will be responsible for end to end management of hosting and development and management of applications whereas end to end responsibility of managing OCI does not rest with the service provider but with oracle/gmdc. Please confirm our understanding	The bidder's understanding is correct. The end to end management of OCI is not in bidder's scope.
11	Part 4: Development and implementation of Mine Digitalization solution. A. Development and implementation of Mine Digitalization Solution. Page 29	The service provider shall also develop and implement a Failover Mechanism as below in order to meet the Service Levels pertaining to system availability. E.g.: In case of RFID reader and Antenna hardware components failure, the service provider shall immediately start the operations with handheld RFID reader at the checkpoints OR a tablet (small computer) with the dispatch application installed in it with capability to scan the truck's Fastag and send the details to Oracle ERP	Invariably, does the tablet require a dispatch application installed in which case the scope will require the service provider to build a native mobile dispatch application accessible from a tablet. Alternatively as a failover mechanism, instead of a mobile application for dispatch, can we consider a solution (similar to a progressive web application) wherein the tablet will be able to access web application we would have anyway designed and developed via a mobile browser and send data to ERP	The bidder is required to develop and implement a failover mechanism in order to meet the service levels pertaining to system availability. The bidder is also required to develop a solution for tablet which is capable to read RFID tag and send data to Oracle ERP and can also have the functionality of scanning the Fastag within the mine premises and all remaining functionalities of the developed web version. The bidder shall suggest and implement best suited failover mechanism in above regards either web based application running on tablet or native application.
12	Part 4: Development and implementation of Mine Digitalization solution. A. Development and implementation of Mine Digitalization Solution. Page 30	The service provider shall also develop and implement a Failover Mechanism as below in order to meet the Service Levels pertaining to system availability. E.g.: In case of RFID reader and Antenna hardware components failure, the service provider shall immediately start the operations with handheld RFID reader at the checkpoints OR a tablet (small computer) with the dispatch application installed in it with capability to scan the truck's Fastag and send the details to Oracle ERP	If the alternatives suggested in the previous question is not acceptable, and If a mobile dispatch application has to be built as a part of failover, can you confirm what mobile platforms (ios, android) have to be considered	Same as above. Additionally, if the bidder is going further with native mobile application then iOS and android both mobile platforms are to be considered for development of failover mechanism.

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13	Part 4: Development and implementation of Mine Digitalization solution. A. Development and implementation of Mine Digitalization Solution. Page 30	The applications shall provide Single-Sign-On features with password encryption and capability to enforce changing the passwords at system-defined intervals for both applications.	As per our understanding single on feature with password encryption is in scope. Single sign on with any directory services is out of scope of this RFP. Kindly confirm our understanding	RFP condition remains unchanged. Single sign on with GMDC's active directory services is part of the scope of work.
14	Part 4: Development and implementation of Mine Digitalization solution. B. Integration with other GMDC systems and Hardware. Page 30	SMS gateway for sending notifications	What is the current SMS gateway and what is the preferred SMS gateway to be considered in scope for SMS gateway integration	GMDC will provide SMS gateway. Details for the same shall be given to the bidder post award of the contract.
15	Part 4: Development and implementation of Mine Digitalization solution. B. Integration with other GMDC systems and Hardware. Page 30	The solution should be robust and capable so as to enable future integration with the sensors installed in the mine excavators so as to provide information at respective checkpoint pertaining to idealizing of excavators/ guiding the truck for the respective excavator for loading lignite at respective loading point.	For the benefit of our understanding, could you please indicate what are the types of sensors that GMDC intends to install. Are they monitoring sensors?	Yes they are monitoring sensors used for fuel management of excavators, tracking loaders activity, and similar monitoring activities as mentioned in the RFP scope.
16	Part 5: Comprehensive Annual Maintenance Contract (CAMC). Page 34	The service provider shall also be responsible for undertaking any changes in applications as suggested by GMDC in the entire CAMC period as per the site scenarios.	The service provider will be responsible for addressing any bugs fixes and provide error resolutions. Undertaking any changes in applications during stabilisation/warranty period will be considered out of scope. Please confirm our understanding	Activities included for Software during the Warranty and Stabilization Period are: 1. Bug fixes, error resolutions on the developed modules. 2. Addressing errors/ bugs in the functionality offered by system. 3. Any changes / enhancement in software required for the smooth operations. Therefore, RFP conditions remains unchanged.
17	Chapter 2- Functional Specifications of the new	RFID Reader and Antenna - RFID readers stationed at the	Based on our understanding, RFID readers in addition to capturing Unique RFID numbers,	Yes your understanding is correct The RFID readers are required to capture unique

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	Digitalized System, Page 41 and Annexure 11-Checkpoint 1 Process: Mine Entry Gate, Page 155	checkpoints are used to authenticate the tags on the windshields of the trucks. Readers only shall be utilized for capturing unique RFID number from the Fastag.	they are expected to validate details such as Truck Number , Truck driver name, License number, delivery order number, delivery order party etc (which as a prerequisite are already expected to be available in transporter portal as per indicative design).Kindly confirm our understanding	Fastag ID no of respective truck. Rest of the details namely Truck Number, Truck driver name, License number, delivery order number, delivery order party etc which as a prerequisite for the truck to enter the mines will be part of the transporter module.
18	Chapter 2- Functional Specifications of the new Digitalized System, B. Functional Requirements for the Applications. 1. Regarding Transporter application, Page 44	Transporter module to have the following details: Fleet & driver management	Are there any additional requirements for fleet and driver management? Is there any requirement you have not mentioned relating to fleet and driver management which need to be considered	Fleet and driver management means the module should be capable to store data as a repository of each truck with truck number and driver details in the transporter module and can be extracted as and when required from the module.
19	Chapter 2- Functional Specifications of the new Digitalized System, B. Functional Requirements for the Applications. 1. Regarding Transporter application, Page 44	Validation of Truck and driver details shall be done from government regulatory portals – Parivahan and Saarthi portal respectively	Access to Parivahan api's is through a registration process with some initial user charges and we assume GMDC will register and bear the registration charges for accessing parivahan and sarathi api's. Please confirm our understanding	GMDC will provide all support related to communication with relevant government authorities. However, the service provider / bidder shall bear all the related costs and also undertake coordination with relevant Government departments.
20	Chapter 2- Functional Specifications of the new Digitalized System, B. Functional Requirements for the Applications. 1. Regarding Transporter application, Page 44	Fetching details of respective customer's booking from customer portal to the assigned transporter in the transporter module. Transporter assignment in customer portal and acceptance of such assignment by Transporter in Transporter Module	Our understanding is that the customer will assign transporter in the customer portal, the transporter module should be able to fetch and view the customer booking and the transporter assignment from the customer portal. The acceptance of the transporter assignment by the transporter will be provided in the transport module. Please confirm.	The bidder's understanding is correct.
21	Chapter 2- Functional Specifications of the new Digitalized System, B. Functional Requirements for the Applications. 1. Regarding Transporter application, Page 44	After acceptance , the transporter shall have the option to tag the mineral carrying vehicles and drivers to the DO number. Upon such tagging, the system generated Loading Slip (LS) shall be generated. Each Truck shall come with print of this loading slip to mine site. Loading Slip shall be available with	The loading slip generated by the designed system software will be available for the transporter to print. Is the format PDF?	Yes the loading slip should be in pdf format.

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		trip details, Driver details, vehicle details and DO details in the application		
22	Chapter 2- Functional Specifications of the new Digitalized System, B. Functional Requirements for the Applications. 1. Regarding Transporter application, Page 44	Capture Transporter declaration for authentication and verification of Vehicle and Driver assigned.	What is the declaration for? Could you elaborate on this requirement?	Capturing self-declaration by the transporter is required for undertaking the verification of the details entered by the transporter which includes vehicle number and required driver details are true.
23	Chapter 2- Functional Specifications of the new Digitalized System, B. Functional Requirements for the Applications. 1. Regarding Transporter application, Page 44	Transporter shall be notified on the vehicle non-compliances/violations during trip start to trip close.	Can we propose notifications to the transporter via alerts/notifications in oracle apex as against SMS notifications?	Notifications shall be sent through both - Oracle APEX and SMS notification.
24	Chapter 2- Functional Specifications of the new Digitalized System, B. Functional Requirements for the Applications. 1. Regarding Dispatch application, Page 45	The application should be capable of tracking any vehicle within the Bhavnagar mine area if it is not moving as per the defined movement sequence, then the system should generate alert in Control Centre or system shall notify through reports and alerts.	While the scope is to generate through reports and alerts within the dispatch system, in order to generate alerts in control centre, we would need details considering control center integration such as the technology platform	The bidder's scope for this project is to generate through reports and alerts within the dispatch system and SMS . In future the service provider shall provide APIs / for transmission of alerts to the separate vendor for control center.
25	Chapter 2- Functional Specifications of the new Digitalized System, B. Functional Requirements for the Applications. 1. Regarding Dispatch application, Page 45	The application shall have compatible mobile apps developed which will have the all functionality of the web version	Is the scope to develop native mobile apps, in which case could you provide platforms (ios or android, ios and android) that need to be considered	Refer to response to pre bid query no.: 12
26	SECTION IV: SCOPE OF WORK. Subsection 1.2. Detailed Scope of Work, Subsection 2. Functional Specifications of the new Digitalized System	The Service Provider will be fully responsible for the quality of the items supplied, quality of Workmanship and their statutory licenses, Aesthetics, quality of Integration of various	Does the Hardware/OEM provider need be in the approved list of hardware vendors by GMDC or can any OEM provider/Hardware provider who satisfy the pre-qualification criteria bid for this RFP	Presently there are no approved list of OEMs of hardware items. the bidder shall propose the OEMs for hardware items provided it meets functional and technical specifications and any other regulatory/

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	Subsubsection B. Functional Requirements for the Applications. Hardware item and installation related. Page 47	components of the System, user-friendliness of the System, maintainability of the System and ensuring satisfactory achievement of the objectives of the System as explained in various clauses here and the Scope of Work		policy requirements / robustness to last during the contract period.
27	SECTION IV: SCOPE OF WORK, Subsection 2. Functional Specifications of the new Digitalized System, subsubsection C. General Functionalities of the Mine Digitalization Solution, Page 47	SMMS should have the following features: a. The SMMS shall be customized for GMDC, and the monitoring parameters shall be approved by mutual agreement with GMDC before the start of the CAMC period in line with the requirement of the RFP.	Does the scope involve building a SMMS system? If yes, our understanding from the stated features of SMMS is that it will be used to monitor and report hardware activities only? Please confirm our understanding	SMMS system should be capable of monitoring the health and SLAs of hardware and software items installed at project site.
28	SECTION IV: SCOPE OF WORK, Subsection 2. Functional Specifications of the new Digitalized System, subsubsection C. General Functionalities of the Mine Digitalization Solution, Page 47	The SMMS shall be capable to monitor the overall state of the deployed hardware, its systems and its usage with user experience as well.	If the OEM/Hardware vendor has a standard solution for monitoring hardware and if this can be configurable to address the stated GMDC needs/requirements, will GMDC be open to such solution as against building a SMSS solution from grounds up/scratch. We request GMDC to consider this alternative. However if GMDC insists it has to be a custom web application, then does GMDC expect this to be built using Oracle Apex	The bidder is expected to develop or bring in the standard solution for monitoring the health and SLAs of onsite hardware and software. It should also be customizable for GMDC requirements and shall be capable to provide features as mentioned in the RFP scope.
29	SECTION IV: SCOPE OF WORK, Subsection 2. Functional Specifications of the new Digitalized System, subsubsection C. General Functionalities of the Mine Digitalization Solution, Page 47	The SMMS shall have well designed customized dashboards for key performance measures and their interpretation for issues identified in the applications.	for the benefit of doubt, can we assume, based on our experience the number and functionality of custom dashboards which need to be provided/built for the SMMS application? If no, can you elaborate on the number and brief functionality of the dashboards?	The objective and key features of SMMS tool are provided in the RFP. Detailed features and dashboard GUI shall be suggested during the SRSD stage by the service provider. Broadly, dashboards are expected to cover system performance, asset management, operational efficiency, and analytics.
30	SECTION IV: SCOPE OF WORK, Subsection 2. Functional Specifications of the new Digitalized	It must provide flexibility of logging, viewing, updating and closing incident manually via web interface along with historical data inputs.	Will the SMMS be used for capturing, monitoring, closing Incidents in short, the incident lifecycle. Can an out of the box incident management system with the	Refer to response to pre bid query no.: 28

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	System, subsection C. General Functionalities of the Mine Digitalization Solution, Page 47		desired functionality and integrations be proposed as against building a custom web application? Taking into account cost of maintenance, scalability, security etc, can GMDC consider the bidder propose alternatives?	
31	SECTION IV: SCOPE OF WORK, Subsection 2. Functional Specifications of the new Digitalized System, subsection C. General Functionalities of the Mine Digitalization Solution, Page 47	It must provide flexibility of logging, viewing, updating and closing incident manually via web interface along with historical data inputs.	Can GMDC clarify and elaborate what does historical data inputs mean?	The historical data refers to history of (i) incidents logged and its resolutions achieved and (ii) service levels of hardware and software.
32	SECTION IV: SCOPE OF WORK, Subsection 2. Functional Specifications of the new Digitalized System, subsection C. General Functionalities of the Mine Digitalization Solution, Page 47	Scalability related additional features: I. The developed solution shall be scalable enough to include and integrate with the sensors fitted in excavators project also at later stage across multiple mines of GMDC. m. The project shall be scalable enough to integrate with mine visualization and analytics platform also at later stage for each respective mines	Given the scalability requirements of GMDC, can the bidder propose a solution framework which will comprise an end to end data platform which will address data ingestion, ETL, storage, data warehouse/data lake and integration into visualisation etc. Is there a data platform preferred by GMDC or is it left for the bidder choice to recommend and provide?	Implementation of sensors solution at excavators and visualization solution is not in the bidder's scope of work of this RFP. However, these system may need to be integrated with Mine digitization system in future.
33	SECTION IV: SCOPE OF WORK, Subsection 2. Functional Specifications of the new Digitalized System, subsection C. General Functionalities of the Mine Digitalization Solution, Page 47	The service provider shall note that the mine digitalization solution and its developed applications shall be scalable for catering to 20,000 trucks per day per mine.	What is the volume we need to consider - 20,000 trucks per day per mine or 5000 trucks per day for bhavnagar mine as mentioned in SECTION III: INDICATIVE EXPANDED DIGITALIZED PROCESS FOR BHAVNAGAR MINE	The system should be scalable enough to manage 20,000 trucks per day as a future production forecast for all lignite mines together situated in Gujarat. However, as of now for Bhavnagar 5000 trucks on per day basis should be considered for designing the solution.
	SECTION III: INDICATIVE EXPANDED DIGITALIZED PROCESS FOR	The new dispatch system should be capable / expandable to manage 5,000 trucks daily for Bhavnagar		

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	BHAVNAGAR MINE. Page 22	mines. The system should be flexible to add / remove checkpoints as and when required during the entire contract period		
34	Annexure 9: Financial Bid Format, Page 149	Table D:Lumpsum cost for integration of each mine installed hardware components with dispatch system	In order to provide the lumpsum cost for integration of each mine, can we consider in scope for each mine, that the indicative list of components to be integrated which comprises the same hardware, government regulatory systems, existing GMDC systems and sms gateways provided in Part 4: Development and implementation of Mine Digitalization solution under Part B- Integration with other GMDC systems and Hardware integrations?	Yes the same shall be considered as part of the scope.
35	Annexure 9: Financial Bid Format, Page 149	Table D:Lumpsum cost for integration of each mine installed hardware components with dispatch system	Our understanding is for providing the lumpsum cost, scope of developing and implementing the integration components for each mine will be considered while all the APEX user interfaces (for transport and dispatch modules) designed and deployed for Bhavnagar mines will be leveraged and hence no user interface design and development will have to be considered. Please confirm our understanding	Please note the GUI for Transport and Dispatch module shall remain the same for GMDC mines with minimal mine specific customization as may be required shall be part of Service Provider's scope.
36	Annexure 11: Checkpoint 3 Process: Gross Weighbridge Gate, Process diagram, Page 157	Checkpoint 3 Process: Gross Weighbridge Gate: 3.6 It is mentioned with the help of QDS, the weight is balanced as per allowed gross weight	For the benefit of our understanding Is installing and implementing QDS (Quick dispatch system) in scope? If yes, can you elaborate on the details? Is QDS a part of a key functionality within the dispatch system?	Installation of QDS is not in the bidder's scope of work.
	SECTION III: INDICATIVE EXPANDED DIGITALIZED PROCESS FOR BHAVNAGAR MINE, Page 22	Augmenting the Physical infrastructure by installing additional two weighbridges at Entry and Exit Weighbridge checkpoints each. GMDC also intends to remove the requirements of existing Vadh ghat point by installing the Quick		

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		Dispatch System (QDS) at Gross Weighbridge checkpoint.		
37	SECTION V: LIST OF DELIVERABLES AND ITS TENTATIVE TIMELINES,Page 59	<p>Site visit and requirements study at Bhavnagar mine- T+3 months</p> <ul style="list-style-type: none"> - AS IS Assessment Report- T+21 days - SRSD Study - System requirement study documents - Optimized BOQ - Development of forms - Business processes - Continuity plan during the implementation of the system. - Testing plan, Detailed diagram with functionalities of the complete solution 	<p>Based on an example is provided in the previous column. Our understanding is GMDC is expecting that the successful bidder execute parallel activities to accomplish the timeline. An an example provided in the RFP, activities relating to SRSD should commence in parallel to as-is system assessment to achieve the timeline. However activities such as development of forms cannot start unless SRSD is signed off considering dependencies . Can you confirm what are the key business drivers behind this schedule and confirm the expectation here?</p>	<p>GMDC intends the service provider to work diligently and dedicatedly in time bound manner. The service provider is free to undertake SRSD parallel to As-Is study within the timeline provided.</p>
38	SECTION V: LIST OF DELIVERABLES AND ITS TENTATIVE TIMELINES,Page 59	User Acceptance Testing and Go-Live- T+6.5 months	<p>Based on our experience, GMDC proposed user acceptance testing of 15 days is considered not feasible and impractical and over exposes users to maximum risk. Would propose GMDC to reconsider UAT to be minimum 4-6 weeks considering software and hardware integration dependencies. Please let us know if you are willing to consider.</p>	<p>The UAT can be completed within 15 days after the implementation. As stabilization period of 6 months is also provided during which the service provider shall be required to fix the errors and bugs which would be encountered for any specific events. RFP condition remains unchanged.</p>
39	SECTION V: LIST OF DELIVERABLES AND ITS TENTATIVE TIMELINES,Page 59	As part of the project scope, service provider shall follow the below timelines with the deliverables list as per the defined scope of work activities	<p>Overall the timelines very look very very aggressive and we foresee huge risk in achieving this timeline and (a) hence would like to understand the key drivers behing this schedule. and (b) and recommend GMDC to relook and consider revising the timelines to be achievable with manageable risk. We propose GMDC to consider accomodating system integration testing, (considering the extent of involvement of software and hardware element integration). The system integration testing will be prior to user acceptance testing. We also propose GMDC to</p>	<p>RFP condition remains unchanged.</p>

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			consider providing sufficient timelines for user acceptance testing	
40	SECTION VII: INSTRUCTIONS TO BIDDERS Section 1.2. Due Diligence	The Bidders are encouraged to examine and familiarize themselves fully about the nature of assignment, scope of work, all instructions, forms, terms and conditions of RFP, local condition and any other matters considered relevant by them before submitting the Bid by paying a visit to the site, sending written queries to GMDC, and attending a Pre-Bid meeting	If the Bidder wants to visit the site for ascertaining confirming certain elements such as scope, all instructions, terms and conditions of the RFP, could you please elaborate the process for the bidder to make the visit. What are the dates which we can visit, how sooner we need to communicate to the personnel to make it happen and who will be the contact points from GMDC to arrange and co-ordinate the visit	Interested parties for the site visit shall need to provide prior intimation through email in below mentioned email ids along with the names of its representatives. gm.it.co@gmdcltd.com gm.mines.bhavnagar@gmdcltd.com <u>Interested parties shall also need to communicate their options for preferred dates (during the Second week of December) on above email ids. Basis above information, GMDC shall communicate the plan for site visit to interested parties from whom it receives such requests.</u>
41	SECTION VII: INSTRUCTIONS TO BIDDERS Subsection 1.6. Schedule of Bidding	Bidders may send their queries by 22/10/2024 up to 18:00 hrs to following contacts or reach out for any assistance.	Considering the scope of this RFP multiple components such as software and hardware, in addition to 22/10/2024, we request GMDC to provide us additional dates in the future for submitting further list of clarifications. This would help us assessing the scope and providing the best fit solution.	During the pre-bid meeting - Bidders were given additional time to submit the queries.
42	SECTION VII: INSTRUCTIONS TO BIDDERS Subsection 4. PREPARATION AND SUBMISSION OF BIDS Subsubsection 4.4. Submission Format &	The Technical Bid shall be submitted in Hard copy. The documents and format to be submitted for Technical Bid shall be as follows. Sr No 8, Annexure 10, Details of the Bill of Quantities for GMDC's Bhavnagar Mine Project Site	Since Annexure 10 is already a part of this RFP, what needs to be submitted, in addition by the bidder.? Should we we copy/extract the same information present in the Annexure 10 of RFP and submit it as per of our response	Yes

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	Sealing and Marking of Proposals. Page 75			
43	SECTION VII: INSTRUCTIONS TO BIDDERS Subsection 4. PREPARATION AND SUBMISSION OF BIDS Subsubsection 4.4. Submission Format & Sealing and Marking of Proposals. Page 75	The Technical Bid shall be submitted in Hard copy. The documents and format to be submitted for Technical Bid shall be as follows. Sr No 8, Annexure 11, Description of Checkpoint wise process flow for new expanded system	Since Annexure 11 is already a part of this RFP, what additional information if any, needs to be submitted by the bidder.? Should we we copy/extract the same information present in the Annexure 11 of RFP and submit it as per of our response	Yes
44	SECTION VII: INSTRUCTIONS TO BIDDERS , Subsection 5. BID EVALUATION CRITERIA, Subsubsection 5.1 Pre-Qualification Criteria. Page 77 and Page 78	The bidder should have average audited annual turnover from IT/Software and Hardware LOB (Line of Business) of at least INR 50 Crore in any 3 consecutive financial years out of last 5 financial years (FY 19-20, FY20-21, FY 21-22, FY 22-23, FY 23-24). The bidder should be a profitable organization in any three financial years out of last five financial years namely FY 19-20, FY20-21, FY 21-22, FY 22-23, FY 23-24.	If the Bidder wishes to participate in this RFP with an OEM partners for the scope of supply, installation and implementation of hardware, then what are the certificates from statutory auditors required from the OEM/Developer partners? Should we provide them separately as part of the response	The consortium is not permitted under this RFP. Please refer to response to pre bid query no 2.
45	SECTION VII: INSTRUCTIONS TO BIDDERS , Subsection 5. BID EVALUATION CRITERIA, Subsubsection 5.1 Pre-Qualification Criteria. Page 77 and Page 78	Sr No 2. The bidder should have experience in implementation and maintenance of Automation/Digitalization of logistic management system for any state or central government department, state PSU or private sector in the last seven years in mining projects. Logistic management System: System should have following features- 1. Digitalization of processes with RFID technology implementation in	While we understand the relevant experience in mining is extremely important, considering the scope of work to be largely in logistics management comprising RFID, weigh bridge automation, oracle software development and integration, we consider this to be areas that applies across a broader set of industries and hence request GMDC to consider experiences in mining, metal and manufacturing as well as against mining alone	Kindly refer to corrigendum in this regard placed in Annexure 2 of this document.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		<p>mining vehicles OR Tracking of trucks with RFID technology implementation in mining vehicles. AND</p> <p>2. Any 3 features from: Projects involving integration with 3rd party systems like Saarthi, Parivahan Sewa, Fastag, Mining system, Payment Gateway, Smart Weighbridge, or ERP systems</p>		
46	SECTION VII: INSTRUCTIONS TO BIDDERS , Subsection 5. BID EVALUATION CRITERIA, Subsubsection 5.1 Pre-Qualification Criteria. Page 77	<p>Sr No 2. The bidder should have experience in implementation and maintenance of Automation/Digitalization of logistic management system for any state or central government department, state PSU or private sector in the last seven years in mining projects. Logistic management System: System should have following features-</p> <p>1. Digitalization of processes with RFID technology implementation in mining vehicles OR Tracking of trucks with RFID technology implementation in mining vehicles. AND</p> <p>2. Any 3 features from: Projects involving integration with 3rd party systems like Saarthi, Parivahan Sewa, Fastag, Mining system, Payment Gateway, Smart Weighbridge, or ERP systems</p>	Are mining projects in Global Mining companies outside india considered in pre-qualification and determining technical scores in addition to mining projects within India?	Only experiences in India are considered as eligible experience.
47	SECTION VII: INSTRUCTIONS TO BIDDERS , Subsection 5. BID EVALUATION CRITERIA, Subsubsection	Sr No 5. Experience (in its own capacity without subcontracting) in execution of large-scale turnkey IT projects with hardware and software scope of work covering	Based on our understanding, the software development can be in any platform and not necessarily in Oracle Apex. Can you confirm our understanding	Yes as far as these clauses are concerned (clause 5.1 (2), 5.2 A-3 and 5.2 A-4).

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
	5.2 Technical score criteria. Page 79	tracking of trucks within mine premises along with RFID technology implementation with the following components for a minimum value of 5 Crores per project in the last seven years for central/state government departments/ PSU/private sector in mining projects. This project should also be comprising of ; <ul style="list-style-type: none"> ▪ <u>Software development with modules including transporter module/ Weighbridge automation solution.</u> ▪ Hardware infrastructure deployment ▪ Comprehensive maintenance support service for atleast 1 year 		
48	SECTION VII: INSTRUCTIONS TO BIDDERS Subsection 3. DOCUMENTS AND PRE-BID CONFERENCE.Subsubsection 3.3-Pre Bid meeting. Page 73	During the course of pre-bid meeting, the Bidders will be free to seek clarifications and make suggestions for consideration of GMDC	During the Pre-Bid Meeting, can the bidder seek additional clarifications on top of the clarifications we had already submitted by 22/10/2024?	Please refer answer to pre-bid query no.41
49	SECTION VIII: PAYMENT TERMS. Table A: Prices for Hardware (Capital item), Page 92	Base rate per unit B) and Applicable taxes /GST (C)	Is the base rate per unit (A) to be provided inclusive of other taxes, duties and charges.It should be exclusive of GST. Applicable GST should be provided separately Can you confirm our understanding	In Table A separate rates for base rate per unit and taxes are to be mentioned. So the base rate per unit and taxes shall be provided separately in different columns.
50	SECTION VIII: PAYMENT TERMS. Table A: Prices for Hardware (Capital item), Page 95	The prices of hardware and software units (Capital Items as per the Table A and Table B) shall be inclusive of all taxes, duties and GST. However, the applicable GST shall be specified separately.	Is the base rate per unit (A) to be provided inclusive of other taxes, duties and charges, should be exclusive of GST. Applicable GST should be provided separately Can you confirm our understanding. Could you please explain with an example for a base rate /unit of 10000 INR with duty as 1000INR and other	Please refer to response to query no 49.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
			charges as 500 INR with a GST of 12%, what is expected in these columns	
51	SECTION VIII: CONTRACT TERMS AND CONDITIONS, Subsection 4.5. Sub-service providers / Outsourcing	Service Provider is permitted to outsource non-core part of work upon approval from the Authority such as equipment/hardware installation and maintenance, connectivity and network related work etc.	While we understand this is a part of contract/agreement can this be construed this term and condition as a part of this RFP as well?	The contract is part of RFP. However, for bidding purpose consortium is not permitted.
52	SECTION I: Metrics on the number of trucks / Parking Bay		Kindly share the available metrics on number of trucks movements, Parking Bay count, Metric tonnes of minerals moved.	Such details to be shared with the selected Service Provider during the As-Is study phase.
53	SECTION I: Does the application need to be in any local language (Bilingual)		Does the app need to be in Gujarati or English alone?	English
54	SECTION I: Fault tolerance		Given the high availability metrics, can the gate systems operate in offline mode ?	In case of specific scenarios, where there is any damage or issue in the boom barrier, the boom barrier can be operated in offline mode. However, the Service Provider shall need to resolve the issue within the timeline specified in SLAs/ within the timeline in order to maintain the SLAs. Such incidents needs to be logged in the system.
55	Section VII: INSTRUCTIONS TO BIDDERS Clause No. 5: BID EVALUATION CRITERIA Page No.: 77 of RFP Document	To be considered eligible and qualified, each Bidder should meet Pre Qualification Criteria and obtaining minimum 70 marks in the technical scores specified hereunder and will progress to the next stage of Price Bid opening.	Request for Exemption of StartUp India Recognized Firms from the Experience, Turnover, and other financial terms in Pre-Qualification Criteria. "Firms recognized as Startups by the Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry , shall be exempted from the Experience, Turnover, and other financial terms in Pre-Qualification Criteria."	RFP condition remains unchanged.
56	Scope of Work , Page 26	Components Section as well as the As-Is assessment.	All the details about the current setup along with the tentative solution are elaborated on,	All the details of the existing system are elaborated to provide the clarity on the

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
			<p>in the RFP itself. Could we please know the reasons why such details are precisely mentioned which restrict us to predefined way of approaching the solution.</p> <p>Keeping a presumptive solution in mind, (mentioned in the RFP)the service provider will be expected to follow the same, which is limiting the scope of new ideas and innovation. Therefore we request an open methodology for providing the solution while ensuring the required deliverables.</p>	GMDC's requirement as well as providing level playing field to all the bidders. The bidder can suggest modification during As-Is assessment stage with rationales.
57	5.1. Pre-Qualification Criteria,3, Page 77	The bidder should have average audited annual turnover from IT/Software and Hardware LOB (Line of Business) of at least INR 50 Crore in any 3 consecutive financial years out of last 5 financial years (FY 19-20, FY20-21, FY 21-22, FY 22 23, FY 23-24).	<p>Could we please know the reasons behind no exemptions for MSME's with respect to the annual turnover.</p> <p>We appreciate an exemption on EMD and bidding fee for MSMEs, but the expected annual turnover will limit most MSMEs' pre-qualification to submit a bid. Therefore, we request amends to this pre-qualification criteria. Reference: Public Procurement Policy for MSMEs (2012) Relaxation in Turnover Criterion.</p>	RFP condition remains unchanged.
58	5.2. Technical Score Criteria, A5 Page 77	Experience (in its own capacity without subcontracting) in execution of large-scale turnkey IT projects with hardware and software scope of work covering tracking of trucks within mine premises along with RFID technology implementation with the following components for a minimum value of 5 Crores per project.	<p>For a start-up even with promising projects delivered in the past and more expected in the future, this evaluation criteria is a holdback due to the special mentioned each project must have a value of 5 crore.</p> <p>This evaluation criterion will put most MSMEs on the back foot, therefore we request amends to this criterion. Reference: Public Procurement Policy for MSMEs (2012) Relaxation Criterion.</p>	RFP condition remains unchanged. Please refer to Annexure 2 for the amended criteria

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
59	5.2. Technical Score Criteria, A4 Page 79	Experience in Development of IT solution or application implementation in APEX platform for any state or central government department, state PSU or private sector in the last seven years in India.	Could we please know the reason behind past experience with the APEX platform-based solution as part of the evaluation criterion? While we have delivered PSU projects in the past, being evaluated based on experience, especially the APEX platform is limiting. Could we please bring your attention to consider the removal of the same from the evaluation criterion?	RFP condition remains unchanged.
60	Details of existing dispatch application Page 16	GMDC's existing dispatch system is hosted on the ERP system using Oracle Database 19c and Oracle EBS 12.2.12.	Does all gates have stable internet connection for connecting the application in Cloud.	GMDC will provide redundant 5 MBPS MPLS (5MBPS + 5 MBPS) at centralized mine location. Only text data is transferred to the digitalize software hosted on the cloud and image data will be stored locally NAS (network attached storage). Internal wireless link from central mine location to respective checkpoints shall be provided by the vendor with adequate speed using the Radio Link.
61	Details of existing dispatch application Page 16	The dispatch system is operated on an Oracle APEX platform. Existing ERP acts as database to the dispatch system.	How dispatch system interacts with ERP. Is it SOAP, API, Message Queue or anything else.	The existing dispatch system is part of ERP developed in APEX platform only.
62	Details of existing dispatch application Page 16	The dispatch system is also integrated with the existing dynamic allocation portal and customer portal which are hosted on the same ERP.	How dispatch system interacts with other applications. Is it SOAP, API, Message Queue or anything else.	Please refer to response to query no 61.
63	Section IV; clause 1.1; Page 25	Transporter Module Transporter to insert the following details: Driving License of driver Fitness Certificate & its Validity (fetch from portal) Insurance Details & its Expiry Fleet & driver management	We assume that the portal will be integrated with Sarathi & Parivahan application to validate the vehicle insurance details & it's expiry details. Kindly confirm.	Purpose of Integration with Parivahan - To fetch and validate Truck No., insurance ,Laden and Unladen weight, Fitness validity, vehicle type Truck (to the extent details are available). Purpose of Integration with Saarathi Portal - To fetch and validate driver license and its validity.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
64	Section IV; clause 1.1; Page 25	RFID based Dispatch system Capability to identify real time position of vehicle on map using the RFID technology (point to point basis) for better traffic management within the mine premises. Provision for maintaining the event log sheet vehicle wise. Alert generation in system in case of deviation from truck circuit.	Please clarify that the real time position of vehicle will be limited to the RFID installed points at check gates & WBs. Please clarify that alert generation for deviation from truck circuit will be limited to tracking through RFID check points and does not involve GPS based tracking system.	Your understanding is correct. The real time position is limited to RFID installed points only. It does not involve GPS based tracking. The purpose of Tracking is traffic management by removing the hinderance causing the traffic congestion at check points. So, the system should have capability to generate alerts if the Vehicle/truck does not appear in the next checkpoint within the tolerance limit.
65	SECTION IV: SCOPE OF WORK:- Development and implementation of Mine Digitalization Solution Part 4: Development and implementation of Mine Digitalization solution, Page-29	The Hosting of the both applications / modules on OCI and thereafter undertaking its O&M is in the Scope of the Service Provider. Whereas the costs pertaining to compute and storage infrastructure required for hosting on OCI shall be bound by GMDC.	We assume that GMDC will provide the hosting environment on OCI, including the necessary licenses for compute and storage infrastructure. The service provider's responsibility will be limited to deploying the solution and undertaking operations and maintenance (O&M) of the applications/modules. Requesting client to kindly confirm.	Yes your understanding is correct. However, the Service Provider shall have to assess and convey the requirements of Oracle cloud compute infrastructure and storage requirements as per the scope of RFP.
66	SECTION IV: SCOPE OF WORK 1.2. Detailed Scope of Work , Page No:-31	B. Integration with other GMDC systems and Hardware 1. Government Regulatory System – Saarthi and Parivahan for verification of the drivers and vehicles respectively. 2. Existing GMDC's systems – Oracle ERP, dynamic allocation application, customer portal, all 3rd party applications and APIs 3. SMS gateway for sending notifications	We assume that provisioning of necessary APIs for integration with Govt. regulatory system and existing GMDC system shall be under the responsibility of GMDC. We will only use the APIs for integration purpose. We also assume that GMDC shall provide necessary SMS gateway and incur the recurring cost for SMS transaction. We will only use SMS gateway provided by GMDC. Kindly confirm.	APIs for regulatory systems of Commissioner of Geology and Mining (CGM) - shall be provided by GMDC. SMS Gateway – Please refer to responses to pre-bid query no.: 14. Parivahan and saarthi – Please refer to response to query no 19.
67	Section IV; clause 1.2; Part 4;D Page 32	The service provider shall undertake the rectification in the application for any issues/ bugs/ and improvements/ Enhancements / up-gradations as suggested by	Kindly confirm that all improvements/ Enhancements/ upgradations will be limited to the approved SRSD document. any new scope or process flow which are not available	The Service Provider shall be responsible for undertaking any changes/ enhancement in the software with functionality additions/ bug fixing/ error corrections etc up to the Stabilization period (i.e.: upto 6 months post

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		GMDC (if any) during the UAT without any additional cost to GMDC to the complete satisfaction of GMDC before Go-Live.	under approved SRSD to be taken under Change requests.	Go Live). Any enhancement in the software after the stabilization period shall be considered in change request. Please note, GMDC shall make payment for any additional quantity hardware specified in the RFP required for the additional locations OR shifting of locations in the Truck circuit if such need so arise at a rate fixed under this RFP.
68	Section IV; clause 1.2; Part 5;D Page 34	First six months of the warranty period shall be stabilization period. The scope of work for the stabilization period shall be the same as the Scope of warranty period scope. Any modification in the software solution during stabilization period would be in the scope of service provider. No charges would be payable on this account by GMDC to the service provider throughout the stabilization period. The applicable penalties on breach of SLAs during the stabilization period shall not be applied.	It is assumed that any modification in the software solution which are coming under the pervue of approved SRSD shall be consider on the scope of Service provider. any new scope or process flow which are not available under approved SRSD to be taken under Change requests.	Please refer response to Pre-Bid query no 67.
69	Section IV; clause 1.2; Part 5;D Page 35	During entire period of the contract, the service provider shall submit necessary statutory approval, required / applicable, if any, for operation of the equipment. Any violation on this account will be the sole responsibility of service provider.	SI shall facilitate for all necessary approvals, however, delay in getting the same due to the process of GMDC shall not be attributed to Service provider.	Agreed
70	Section IV; clause 1.2; Part 6; Page 40	Training and Capacity Building The mandatory training (functional and technical) to the GMDC	The training will be imparted based on the training plan mutually approved by both Service provider and GMDC during the time of	Normally the first training to be held immediately after the implementation of the solution. Thereafter, training sessions to

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		business and IT team shall be provided to the satisfaction of the GMDC management. In case the training is found to be unsatisfactory, the training duration shall be suitably extended at no extra cost to GMDC. The training shall be conducted in the GMDC premises. However, in case of additional requirement of training post signoff of the initial training period, it has to be provided additionally by the bidder on man-day basis.	project inception phase. As there is no line item available in the section "SECTION VIII: PAYMENT TERMS" we request GMDC to kindly reconsider the man-day rate and associated payment terms during contract preparation.	be conducted as per the mutually agreed training plan (involving operations and troubleshooting aspects). The Bidder to quote the Software prices inclusive of training.
71	Section IV; clause 1.2; Part 6; Page 42	A. Functional Requirements of the Hardware Components: Regarding Internet connectivity inside the mines: Internal wireless link from central mine location to respective checkpoints shall be provided by the vendor with adequate speed using the Radio Link. GMDC will provide redundant 5 MBPS MPLS at centralized mine location. Only text data is transferred to the digitalization software and image data will be stored locally NAS (network attached storage).	Kindly confirm that the Internet connectivity shall be provided during the start of implementation phase of the project.	GMDC will provide redundant 5 MBPS MPLS (5MBPS + MBPS) at centralized mine location during the start of the implementation period. Please refer to the answer to Pre-Bid query no 60.
72	Technical Specifications of the new digitalized system , 1.Boom Barrier ,page: 49	7. Interfaces: RS485 interfaces	Need clarity on the functionality of RS485 communication protocol interface.	RS485 interface is for point-to-point communication. It allows controlling the barrier and getting feedback via serial ModBus protocol.
73	2.5. Earnest Money Deposit (EMD)/Bid Security Page 70 & 71	a) The bidder shall furnish, a separate Bid Security (also referred to as "Earnest Money Deposit" (EMD)/ Bid Security") for Captioned work as part of his Bid as per the	Looking at the approved List mentioned in the Annexure 14: Banks List for the Bank Guarantee, we found the missing of our banker (Punjab National Bank) in the approved Bank list. So to provide Bank Guarantee from	The Bidder can submit BG for EMD and PS from all nationalized Banks. PNB is a nationalized Bank and all Nationalized Banks and included as part of list of Approved Banks.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		<p>given format. The Bid Security/EMD shall be sealed in a separate sealed envelope along with RFP Fees and super scribing "Earnest Money Deposit and RFP Fees ". An Earnest Money Deposit of amount INR 5 lakh (INR Five Lakh) shall be provided in favor of "Gujarat Mineral Development Corporation Ltd", in any one of the following forms/formats. The List of Approved Banks is provided in Annexure 14.</p> <p>i. Account payee Demand Draft /Banker's Cheque from any bank among the list of scheduled commercial Bank in India published by RBI.</p> <p>ii. An irrevocable Bank Guarantee (the "Bank Guarantee"), payable at Ahmedabad from Approved Bank (except Cooperative Banks)to Authority as per the Annexure 14 and valid for a period of 210 days (Two Hundred and Ten Days) from the Bid Due Date in the format prescribed in the bid documents. The validity of Bank Guarantee may be extended as may be mutually agreed between Authority and Bidder from time to time as per clause 2 of RFP SECTION VII. In case Bidder intends to provide Bank Guarantee then it should be provided Compulsory e-Bank Guarantee Confirmation through</p>	<p>other banks may create challenges as per RBI guideline. Hence we humbly request to add Punjab National Bank as in the approved bank list.</p>	

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		ICICI Bank through SFMS1 under our IFS Code: ICIC0000024 and UIC GMDC530265584 for Field 7037. Bank Name: ICICI BANK LTD.		
74	5. BID EVALUATION CRITERIA 5.1. Pre-Qualification Criteria Page No;-77	The bidder should have experience in implementation and maintenance of Automation/Digitalization of logistic management system for any state or central government department, state PSU or private sector in the last seven years in mining projects. Logistic management System: System should have following features- 1. Digitalization of processes with RFID technology implementation in mining vehicles OR Tracking of trucks with RFID technology implementation in mining vehicles AND 2. Any 3 features from: Projects involving integration with 3rd party systems like Saarthi, Parivahan Sewa, Fastag, Mining system, Payment Gateway, Smart Weighbridge, or ERP systems	As the project is envisaged to be implemented by a Single service provider without forming any consortium or allowing any sub-contractor. Hence we request GMDC to kindly consider the projects Experience (in its own capacity without subcontracting) in execution of implementation and maintenance of Automation/ Digitalization of logistic management system for any state or central government department, state PSU or private sector in the last seven years in mining projects.	As per the RFP, the Work should be executed by the Bidder. Therefore, the client Work orders and completion certificate should be in the name of the Bidder.
75	Section 7.2/ Page No.- 86	The Successful Bidder shall get correct amount of Stamp Duty adjudicated (Stamp Paper of Rs. 100 denominations can be used), at Ahmedabad in accordance with applicable law, and submit the same in two copies duly stamped and executed within thirty (30) days from the dispatch of Letter of Award. GMDC shall return one copy	What is the total stamp duty payable for the execution of the agreement? The recitals do not clearly indicate the amount in terms of Rs. 100 denomination of non-judicial stamp paper.	Rs 300

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		duly sealed and signed as a token of acceptance of the Contract. Stamp Duty, and any other charges as may be levied under applicable law, shall be paid by the Successful Bidder.		
76	Section 7.3 (i)/ Page No.- 86	The Successful Bidder shall furnish Performance Security to Authority for securing the due and faithful performance of its obligations under the Agreement, within 20 days from the LOA , in the form of Demand Draft or an unconditional and irrevocable bank guarantee (Annexure 6) for amount of equivalent to 10% (Ten percent) of total Contract Price (without GST) quoted for the Scope of Work payable to GMDC by the Successful Bidders (the "Performance Security") from Approved Bank to Authority. Such performance Security shall be in favor of Gujarat Mineral Development Corporation Ltd and admissible and payable at Ahmedabad branch from Approved Bank to Authority.	Looking at the approved List mentioned in the Annexure 14: Banks List for the Bank Guarantee, we found the missing of our banker (Punjab National Bank) in the approved Bank list. So to provide Bank Guarantee from other banks may create challenges as per RBI guideline. Hence we humbly request to add Punjab National Bank as in the approved bank list.	The Bidder can submit BG for EMD and PS from all nationalized Banks. PNB is a nationalized Bank and all Nationalized Banks and included as part of list of Approved Banks.
77	Section VIII; Clause 1; Table A; Page 92	Prices for Hardware (Capital Item)	Please clarify regarding the provisioning of Store facility at project site for Delivery of Hardwares and concerned authority to receive the same.	Storage place at Mine site shall be provided by GMDC at designated location to keep inventory of Hardware items . The GM(Project) or its authorized representative at the Mine site shall be the concerned authority.
78	Section VIII; Clause 1; Table F, si 2 ; Page 95	Table B: Prices for Hardware (Capital item)	Please clarify as to be read as "Prices for Software"	Typo error stands corrected as below. "Table F (2) : Prices for Software (Capital item)"

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
79	SECTION VIII: PAYMENT TERMS 2. PAYMENT TERMS Page-96	Delivery of all Hardware along with all accessories- 50% of the aggregate value of total delivered capital items.	We request a revision to the payment terms regarding the delivery of hardware and accessories. Given that most products are OEM-related, we kindly ask that the payment terms be adjusted to 80% of the aggregate value of total delivered capital items, rather than the current 50%.	The payment terms are very liberal in our view. RFP conditions remain unchanged
80	SECTION VIII: PAYMENT TERMS 2. PAYMENT TERMS Page-96	Successful Installation and Commissioning and issuance of Go-Live certificate- 40% of the aggregate value of total installed capital items	We kindly request an amendment to the payment terms related to successful installation, commissioning, and issuance of the Go-Live certificate. Specifically, we propose adjusting the payment to 10% of the aggregate value of total installed capital items upon successful installation, commissioning, and issuance of the Go-Live certificate, instead of the current 40%.	The payment terms are very liberal in our view. RFP conditions remain unchanged
81	SECTION VIII:Clause 2.3; page 104	2.3. Termination of Agreement for failure to commence Services. If the service provider does not commence the Services within the period specified in Clause 2.2 above, GMDC may, by not less than 1 (one) weeks' notice to the service provider, declare this Agreement to be null and void, and in the event of such a declaration, this Agreement shall stand terminated and the service provider shall be deemed to have accepted such termination.	It is requested to consider the following revised clause: 2.3. Termination of Agreement for failure to commence Services. If the service provider does not commence the Services within the period specified in Clause 2.2 above, GMDC may, by not less than 1 (one) months' notice to the service provider, declare this Agreement to be null and void, and in the event of such a declaration, this Agreement shall stand terminated and the service provider shall be deemed to have accepted such termination. Delay in commencement of services due to delay in site readiness shall not incur any penalties towards service provider. Kindly confirm.	Agreed.
82	SECTION VIII:Clause 11.1 (a) & (b); page 123	11.1. Rate Validity Period (a) The Base prices/rates (which are exclusive of all taxes) of hardware	It is requested to consider the following revised clause:	a) Please refer to Annexure 2 for the amended clause.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		and software items (capital items) quoted by the Service Provider in Price Bid Tables A, B, C and D shall remain fixed for a period of 24 months from the Due Date of Submission/Bid Submission Date (the "Rate Validity Period"). The Service Provider shall be required to install and implement hardware and software forming part of the Mine Digitalisation Project at same rate that it has quoted within Rate Validity Period. (b) The Base Rates beyond Rate Validity Period shall be revised with 5% annual escalation	a) The Base prices/rates (which are exclusive of all taxes) of hardware and software items (capital items) quoted by the Service Provider in Price Bid Tables A, B, C and D shall remain fixed for a period of 12 months from the Due Date of Submission/Bid Submission Date (the "Rate Validity Period"). The Service Provider shall be required to install and implement hardware and software forming part of the Mine Digitalisation Project at same rate that it has quoted within Rate Validity Period. b) The Base Rates beyond Rate Validity Period shall be revised with 15% annual escalation	b) Please refer to Annexure 2 for the amended clause.
83	Section 2.7.10 (c) / Page-109	Authority shall make payment pursuant to all services rendered after adjusting against any payment/damages due and as the case may be.	We would propose the clause to the following: The Authority shall make payments for all services rendered. If the full adjustment cannot be completed through invoking the Performance Bank Guarantee (PBG), the Authority reserves the right to offset any remaining amounts against outstanding payments or other dues owed by the Service Provider.	Please note the said clause is related to Termination due to Force Majeure. In such case the Authority shall return the Performance Security to the Service Provider in full if damages dues are already been adjusted from due payments . In case if it is not adjusted from the payment dues then the Authority shall adjust it from the PS. This is the standard practice followed by GMDC.
84	9 SECURITY OF INFORMATION GENERATED FROM PROJECT 9.4. Security audit of the Project Page-123	The Service Provider shall also get approved CERT-IN empaneled third-party auditor to carry out security audit of the Hardware and mine digitalization system on half yearly / yearly basis.	Please confirm the required frequency for the security audit of the hardware and mine digitalization system, as specified for the CERT-IN empaneled third-party auditor. Should it be conducted on a half-yearly or yearly basis?	Half yearly or after any major enhancement in the system whichever is earlier. Please refer below amended clause 9.4 below. "The Service Provider shall also get approved CERT-IN empaneled third-party auditor to carry out security audit of the Hardware and mine digitalization system on half yearly or at the time of major system upgrades whichever is earlier during the Contract Period at its own costs and furnish report/certificate thereof to Authority as

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
				evidence. Service Provider shall take prompt measure to rectify any bug/default found during such audit."
85	Section 12.3(c)/ Page- 127	Without prejudice to any other right or remedies which the service provider may have under this Contract, upon occurrence of Authority Provider Event of Default, the Service Provider shall be entitled to terminate this Contract by issuing a Termination Notice to the Authority ; provided that before issuing the Termination Notice, the Authority shall by a notice inform the Authority of its intention to issue such Termination Notice and grant 30 (thirty) days or reasonable period to the Authority to remedy the default ("Remedial Period") and/or make representations, and may after the expiry of such Remedial Period on non-remedy of breach/default at the satisfaction of the Service Provider , whether or not it is in receipt of such representation, or repeated failure to remedy the default/breach , the Service Provider issue Termination Notice providing 15 days' time stating the intention of the termination (the "Termination Notice") and then terminate the Contract.	Request to clarify does authority referred to in bold is referred to the Service Provider?	Authority refers to GMDC as per the definition section
86	SECTION VIII:Clause 16.1 (b); page 131	b) Damages due to Vandalism, tampering of equipment by Authority staff or Truck drivers or Authority appointed mine contractors and damage due to	It is requested to rephrase the clause as "Damages due to Vandalism, tampering of equipment by Authority staff or Truck drivers or Authority appointed mine contractors and damage due to accidents of any kind shall be	Agreed but for all major Hardware items, the Service Provider shall need to take insurance to the extent possible as per the clause 3.12.1 a).

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		accidents of any kind shall be the liability of the Authority. In such case, Authority shall request the Service Provider to repair/replace the damaged unit and reinstall the same. All costs towards the same shall be reimbursed by the Authority to the Service Provider less of insurance proceeds.	the liability of the Authority. In such case, Authority shall request the Service Provider to repair/replace the damaged unit and reinstall the same. All costs towards the same shall be reimbursed by the Authority to the Service Provider less of insurance proceeds wherever applicable.	Therefore, the Authority shall reimburse cost of damage/ replacement in hardware in case receipt of any insurance proceeds.
87	Section 18 (a)/ Page- 132	In case the Agreement between the Authority and Service Provider is terminated for any reason whatsoever, either on account of Service Provider Event of Default and /or Authority Event of Default or even for any reason not envisaged in the Agreement, then the Service Provider shall be responsible for operation, maintenance and management of mine digitalization project at agreed terms specified in this Agreement till Authority appoints and handover the mine digitalization project to new /replacement Service Provider.	Request to clarify on the following points; 1. How are the “agreed terms” defined, and will they remain the same or be subject to negotiation after termination? 2. What is the anticipated timeline for appointing a new/replacement Service Provider? 3. What is the maximum duration for which the Service Provider is expected to continue providing services after termination? 4. How will the Service Provider be compensated for their continued services post-termination in case the termination is done due to fault of Authority or for authority's convinnence? 5. What liabilities will the Service Provider assume during the interim period, and how will these be managed? 6. Will the Service Provider have any ongoing obligations or rights related to the project after the new provider is appointed? 7. Is there an exit strategy or process for	1. Agreed terms are the terms specified in the RFP Agreement. It is not subjected to negotiation/ changes except the changes published through corrigendum prior to Bid submission date. 2. Being a PSU , GMDC shall have to run competitive bidding process. This may take 6 months or so indicatively. 3. As per the sr no 2 above. 4. The Service Provider shall be paid for regular services rendered as per the agreement rates for its services. 5. The Service Provider shall continue to provide services as per the Service Levels envisaged in the RFP. All related liabilities such as damages shall be borne by the Service Provider. 6. Service Provider shall support in handover of the operations including all hardware software items. 7. Once the transition is complete , GMDC shall issue a letter confirming the completion of handover process.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
			officially concluding the Service Provider's involvement once the transition is complete?	
88	16. DAMAGE TO HARDWARE PROJECT COMPONENTS Page-131	b)All costs towards the same shall be reimbursed by the Authority to the Service Provider less of insurance proceeds.	Requesting client to please provide clarification on the term "less of insurance proceeds" in relation to the reimbursement of costs by the Authority to the Service Provider?	The Service Provider shall need to take insurance for all Hardware items to the extent possible as per the clause 3.12.1 a). Therefore, the Authority shall reimburse cost of damage/ replacement in hardware in case receipt of any insurance proceeds.
89	Annexure 5: Manufacturers Authorization Form (MAF) Page-140	Further Performance Warranty Certificate shall also be provided from the OEMs.	Requesting client to please clarify the request to "consider the Warranty Certificate for active items only" in relation to the Performance Warranty Certificate from the OEMs?	GMDC intends to have statement from the OEM stating that it meets all specs and have design to perform as per the functional requirements.
90	5.2. Technical Score Criteria Page No. 79 of 175 Clause A4	Experience in Development of IT solution or application implementation in APEX platform for any state or central government department, state PSU or private sector in the last seven years in India	Experience in Development of IT solution or application implementation in APEX platform or any low-code development platform for any state or central government department, state PSU or private sector in the last seven years in India. The current criteria restrict the participation. To widen the participation, we request authority to revise the criteria	RFP conditions remain unchanged
91	5.2. Technical Score Criteria Page No. 79 of 175 Clause A5	Experience (in its own capacity without subcontracting) in execution of large-scale turnkey IT projects with hardware and software scope of work covering tracking of trucks within mine premises along with RFID technology implementation with the following components for a minimum value of 5 Crores per project in the last seven years for central/state government departments/ PSU/private sector in mining projects. This project should also be comprising of ;	Experience (in its own capacity without subcontracting) in execution of large-scale turnkey IT projects with hardware and software scope of work covering tracking of trucks within mine premises along with RFID technology implementation with the following components for a minimum value of 5 Crores per project in the last seven years for central/state government departments/ PSU/private sector in mining /logistics projects. This project should also be comprising of; • Software development with modules including transporter module/ Weighbridge automation solution.	Please refer to Annexure-2 of this document for amended provision.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		<ul style="list-style-type: none"> ▪ Software development with modules including transporter module/ Weighbridge automation solution. ▪ Hardware infrastructure deployment ▪ Comprehensive maintenance support service for atleast 1 year 	<ul style="list-style-type: none"> • Hardware infrastructure deployment • Comprehensive maintenance support service for atleast 1 year <p>As the project is for Logistics Management, we request authority to allow Logistic Projects experience as well. This would also widen the participation.</p>	
92	SECTION III: INDICATIVE EXPANDED DIGITALIZED PROCESS FOR BHAVNAGAR MIN Page no: 22 of 175	<ul style="list-style-type: none"> o Augmenting the Physical infrastructure by installing additional two weighbridges at Entry and Exit Weighbridge checkpoints each. GMDC also intends to remove the requirements of existing Vadh ghat point by installing the Quick Dispatch System (QDS) at Gross Weighbridge checkpoint. o Installing directional signages across mine area. 	<p>We understand that installation of additional weighbridge and directional signages across mine area is not envisaged from the selected bidder of current RFP.</p> <p>Kindly confirm.</p>	Yes Infrastructure augmentation are not part of the Service Provider's Scope.
93	SECTION III: INDICATIVE EXPANDED DIGITALIZED PROCESS FOR BHAVNAGAR MIN Figure 2 Indicative Digitalized Process of Truck Flow Movement in Bhavnagar Mine Area Page no: 23 of 175	FASTag/RFID and DL Validation and issuance of Token	As the RFP has used the terms "RFID Tag" and "FASTag" interchangeably, and the line item for the Supply, Installation, Testing, and Commissioning (SITC) of RFID tags is missing from the current Bill of Quantities (BOQ) and Price Schedule, we kindly request the authority to confirm whether the responsibility for the SITC of FASTag/RFID tags is expected to be undertaken by the selected bidder or by authority (GMDC).	Fast Tag and RFID Tags are defined as the same. The procurement and supply of Fast tags are not in the scope of the Service provider.
94	SECTION III: INDICATIVE EXPANDED DIGITALIZED PROCESS FOR BHAVNAGAR MIN	RFID Kiosk	We request the authority to please provide more details and functional requirement for RFID Kiosk under the Truck Flow Movement in Bhavnagar Area	Trucks having no FastTag shall be directed to Kiosk for the fitment of FastTag .

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
	Figure 2 Indicative Digitalized Process of Truck Flow Movement in Bhavnagar Mine Area Page no: 23 of 175			
95	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 25 of 175	<ul style="list-style-type: none"> Capability to identify real time position of vehicle on map using the RFID technology (point to point basis) for better traffic management within the mine premises 	<p>We understand that authority will provide required map & required map services to achieve this functionality.</p> <p>Kindly confirm.</p>	General Mine Map shall be provided by GMDC for the Service provider's understanding. The Map for the mapping of Truck circuit (GIS Map and Google Earth map) for the tracking purpose along with the tracking functionalities shall be provided by the service provider as part of the solution to GMDC.
96	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 25 of 175	o GMDC intends to use pre-fitted Fast Tag for this solution.	We request the authority to provide detail and describe the Truck Flow Movement if the FASTag is not available/attached with the particular Truck/vehicle.	Trucks having no FastTag shall be directed to Kiosk for the fitment of FastTag . The truck will not be allowed to enter the Mine premises without fast tag.
97	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 25 of 175	The Service provider shall develop both modules as web-based applications and shall be developed on Oracle Apex platform	Requiring the development of both modules exclusively on the Oracle Apex platform may limit the flexibility, innovation, and cost-effectiveness of the solution. We request the authority to allow bidder to consider the .Net, Java, Python and open-source framework.	RFP condition remains unchanged.
98	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 26 of 175	Of above, the computer system shall be provided by GMDC. Remaining components shall be supplied by the Service Provider.	As the RFP has used the terms "RFID Tag" and "FASTag" interchangeably, and the line item for the Supply, Installation, Testing, and Commissioning (SITC) of RFID tags is missing from the current Bill of Quantities (BOQ) and Price Schedule, we kindly request the authority to confirm whether the responsibility for the SITC of FASTag/RFID tags is expected to be undertaken by the selected bidder or by authority (GMDC).	The procurement and supply of FastTag is not in the scope of the Service provider.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
99	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 30 of 175	The Service provider shall also implement the tool for monitoring the health and SLAs for on site installed hardware and software by deploying Service Level Monitoring and Maintenance System (SMMS) (details for which are mentioned in Chapter 2 of this document)	We request the authority to include the line item for the "Service Level Monitoring & Maintenance System (SMMS)" in the BOQ and Price Schedule, which will ensure that all participants/bidders take it into account without exception.	Agreed. Please refer to Annexure 3 for amended Price Bid format.
100	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 31 of 175	B. Integration with other GMDC systems and Hardware The solution shall be integrated with Hardware specified under this RFP as well as GMDC's ERP systems and third-party applications. The indicative list of various components with which the system should be integrated with are mentioned below: <ul style="list-style-type: none"> • Hardware – IP Cameras, Boom Barriers, Traffic Lights, Weighbridge digitizer, LED display, Public Announcement Systems, ultrasonic sensors, RFID Tags and readers, Controllers (as per Chapter 2 of this document) • Government Regulatory System – Saarthi and Parivahan for verification of the drivers and vehicles respectively. • Existing GMDC's systems – Oracle ERP, dynamic allocation application, customer portal, all 3rd party applications and APIs • SMS gateway for sending notifications The solution should be robust and capable so as to enable future	We understand that the authority will facilitate and provide the necessary support during the integration with other GMDC systems and hardware. Kindly confirm.	Agreed GMDC shall provide all coordination support.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		integration with the sensors installed in the mine excavators so as to provide information at respective checkpoint pertaining to idealizing of excavators/ guiding the truck for the respective excavator for loading lignite at respective loading point		
101	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 32 of 175	C. Activities to be undertaken for Third Party Audit of the entire solution • The service provider shall ensure that the solution is in compliance with the CERT-In Security Policy and Guidelines. • Carryout the periodic audit & certification as and when it is required	We request the authority to please specify the duration/frequency of periodic audit & certification, which will ensure that all participants/bidders take it into account without exception.	Please refer to Answer to Pre-Bid query No. 84
102	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 34 of 175	o Service Provider shall maintain the minimum 10% of Hardware inventory during the Warranty Period • Sufficient spares & accessories (i.e. minimum 10% of the ordered quantity of the installed hardware) should be maintained at mine site for smooth operation and maintenance of system for immediate replacement during warranty and CAMC period.	We request the authority to amend this clause as follows, mandating a minimum of 10% spares for critical components only. "Service Provider shall maintain the minimum 10% of Critical Hardware inventory during the Warranty Period • Sufficient spares & accessories (i.e. minimum 10% of the ordered quantity of the installed Critical hardware) should be maintained at mine site for smooth operation and maintenance of system for immediate replacement during warranty and CAMC period."	RFP Conditions remain unchanged
103	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 36 of 175	The repairs/replacement of the damages of the hardware related incidents due to lightning shall be in the scope of service provider. The cost pertaining to the same shall be in the service provider's scope.	We request the authority to classify lightning as an Act of God and a Force Majeure condition, with the associated costs for repairs/replacement excluded from the scope of the selected bidder.	Agreed.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
104	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 37 of 175	<ul style="list-style-type: none"> The service provider shall undertake corrective and preventive measures for visual appearance of the installed pole at each checkpoint. The service provider shall paint the pole on yearly basis in the mines. 	Considering the harsh and dusty conditions of the mining environment, the beautification work of painting each pole on a yearly basis serves no functional purpose and leads to unnecessary expenditure. The operational focus in such environments should prioritize durability and maintenance rather than aesthetics. Therefore, we request the authority to delete this clause to avoid incurring needless costs	Annual painting is required for equipment such as pole, boom barrier, any other equipment as may be required including replacing the reflective strips is under the scope of Service Provider. These actions shall help in preventing the corrosion.
105	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 37 of 175	<ul style="list-style-type: none"> Internal wireless link from central location to respective checkpoints shall be provided by the Service provider with adequate speed. GMDC will provide redundant 5 MBPS MPLS at mine location. Only text data is transferred to the digitalization software and image data will be stored locally NAS (network attached storage). The service provider shall undertake the entire management of the wireless intranet within the mine area. 	<ol style="list-style-type: none"> As the redundant MPLS link is already provided by GMDC, we request the authority keep internal wireless link from central location to respective checkpoints under GMDC scope only. Additionally, please note that the line item for internal wire-less link is also missing in BOQ and Price Schedule. 	<ol style="list-style-type: none"> RFP Conditions remain unchanged. Please refer to sr. no. 11 of Table A for the Annexure-9 for BOQ item (i.e. WLAN/Radio Link with switches and cables).
106	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 37 of 175	<ul style="list-style-type: none"> Regarding Problem identification and Resolution The service provider shall also be responsible to rectify the defects pointed out by GMDC and carry out the enhancements suggested. This shall be at no additional cost to the GMDC, in so far as the enhancements relate to items of work falling within the purview of the defined Scope of Work. 	<p>We request the authority to please consider the difference between defect rectification & enhancement and we request the authority to please amend the clause as below:</p> <p>"• Regarding Problem identification and Resolution</p> <p>o The service provider shall also be responsible to rectify the defects pointed out by GMDC and carry out the defect resolution enhancements suggested. This shall be at no additional cost to the GMDC, in so far as the enhancements relate to items of work falling</p>	Agreed. Please also refer to answer to pre bid query no 67 for enhancement requirements during the stabilization period.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
			within the purview of the defined Scope of Work."	
107	SECTION IV: SCOPE OF WORK 1.1. Solution Summary Page no: 39 of 175	<ul style="list-style-type: none"> The Service provider shall deploy at least 3 resources at GMDC Bhavnagar premises (1 each per shift for 3 shift operation) from the date of Go-live of the application till the entire contract period. 	We request the authority to please provide details with minimum experience and required qualification of resources to be deployed during warranty period, which will ensure that all participants/ bidders take it into account without exception.	The Service Provider shall deploy adequately trained manpower at site in order to maintain SLAs.
108	SECTION IV: SCOPE OF WORK 2. Functional Specifications of the new Digitalized System Page no: 46 of 175	<p>a) Tare weight weighbridge Operation</p> <ul style="list-style-type: none"> Installation of traffic lights and boom barrier at the start and end weighbridge to control the movement of vehicle. 	<p>This particular functional requirement is not matching with the details provided under Annexure 10: Details of Bill of Quantities for GMDC's Bhavnagar Mine Project Site for New Expanded Mine Digitalization Solution (Page no: 153 of 175).</p> <p>As per this BOQ details, only 1 no. of Boom Barrier is mentioned for Tare weighbridge. However, the functional specification has mentioned installation of Boom Barrier at start and end point of weighbridge.</p> <p>We request the authority clarify the same.</p>	Agreed. It is corrected to 2 . Please refer to amendment in Price Bid format placed in Annexure-3 of this document.
109	SECTION IV: SCOPE OF WORK 2. Functional Specifications of the new Digitalized System Page no: 46 of 175	<ul style="list-style-type: none"> Provision to capture the top view and front view of truck by using Cameras 	<p>This particular functional requirement is not matching with the details provided under Annexure 10: Details of Bill of Quantities for GMDC's Bhavnagar Mine Project Site for New Expanded Mine Digitalization Solution (Page no: 153 of 175).</p> <p>As per this BOQ details, only 1 no. of Bullet Camera is mentioned for each location. However, the functional specification has mentioned provisioning to capture top view and front view of truck.</p> <p>We request the authority clarify the same.</p>	Agreed. It is corrected to 2. Please refer to amendment in Price Bid format placed in Annexure-3 of this document.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
110	SECTION IV: SCOPE OF WORK 2. Functional Specifications of the new Digitalized System Page no: 46 of 175	b) Gross weight Management • Installation of traffic lights and boom barrier at the start and end weighbridge to control the movement of vehicle.	This particular functional requirement is not matching with the details provided under Annexure 10: Details of Bill of Quantities for GMDC's Bhavnagar Mine Project Site for New Expanded Mine Digitalization Solution (Page no: 153 of 175). As per this BOQ details, only 1 no. of Boom Barrier is mentioned for Gross weighbridge. However, the functional specification has mentioned installation of Boom Barrier at start and end point of weighbridge. We request the authority clarify the same.	Agreed. It is corrected to 2. Please refer to amendment in Price Bid format placed in Annexure-3 of this document.
111	SECTION IV: SCOPE OF WORK 2. Functional Specifications of the new Digitalized System Page no: 46 of 175	C. General Functionalities of the Mine Digitalization Solution: Applications related a. The service provider shall ensure that the software and devices are configurable with Apple and Windows make desktops at all the checkpoints.	The RFID based Entry-Exit gate and Weighbridge automation requires edge level transaction processing and controlling of hardware. To cater this requirement, typically RFID middleware application used for windows based desktop PC. We request the authority please confirm whether the Apple desktops at all the checkpoints are already implemented or really envisaged. If it is not envisaged under the current contract duration, we request the authority to please amend this clause below: "C. General Functionalities of the Mine Digitalization Solution: Applications related a. The service provider shall ensure that the software and devices are configurable with Apple and Windows make desktops at all the checkpoints."	As of now Windows based desktop are installed at Tare and Gross weighbridges. GMDC shall proceed with installation of Apple or Windows based Desktop. Therefore, the bidder shall develop the application which can be compatible with Windows and Apple desktops. RFP condition remains unchanged.
112	SECTION IV: SCOPE OF WORK	e. The solution should be secure from Cyber Threats with proper	As the server level infrastructure is under the scope of GMDC, we request the authority to	Please refer below the component wise security related scope.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
	2. Functional Specifications of the new Digitalized System Page no: 46 of 175	cyber security using Anti-Virus at the PC and Cloud DC level. The Service Provider shall be responsible for providing Anti-Virus, access control and proper security system.	consider cyber security related application/platform such as Anti-Virus, access control and proper security system under GMDC scope only.	1. OCI related components -GMDC's scope. 2. Desktop at checkpoints – GMDC's scope. 3. Controller - Service provider/Bidder's scope_ 4. Mine digitalization software modules - Service provider/Bidder's scope
113	SECTION IV: SCOPE OF WORK 2. Functional Specifications of the new Digitalized System Page no: 47 of 175	h. The RFID FASTag shall be reprogrammable. If any tag is destroyed or lost, fresh tag of the same type shall be issued from the issuance kiosk with record of reasons & detail as as per previous tag. Lost & mutilated tags will be deactivated prior to activation of new tags	We understand that this clause is applicable to RFID tag issued by GMDC only and not applicable to FASTag. As the NPCI's FASTag is vehicle specific and once it is affixed to a vehicle, it cannot be transferred to another vehicle. FASTag can be purchased from any of the NETC Member Banks only. Please refer below link for more details about FASTag: https://www.npci.org.in/what-we-do/netc-fastag/product-overview	Issuance of Fast tag/ RFID Tag is not in the scope of the Service Provider. The said clause stands deleted.
114	SECTION IV: SCOPE OF WORK 2. Functional Specifications of the new Digitalized System Page no: 47 of 175	Scalability related additional features I. The developed solution shall be scalable enough to include and integrate with the sensors fitted in excavators project also at later stage across multiple mines of GMDC.	We request the authority to please provide more details and functional requirement for excavators with fitted sensors to understand the requirement better.	These are monitoring sensors used for fuel management of excavators, tracking loaders activity, and similar monitoring activities as mentioned in the RFP scope. The details will be provided to the successful bidder post award of the work.
115	SECTION IV: SCOPE OF WORK 2. Functional Specifications of the new Digitalized System Page no: 48 of 175	t. With respect to camera; • The Service Provider shall maintain 60 days of back up of images captured through bullet camera and provide access to GMDC Project office at Mine. The archival data from each camera should be stored in a hard disk of GMDC throughout the contract period. • The camera installed at check	The mentioned functional requirement for Bullet camera is indicating ANPR based Vehicle Number Plate recognition. However, the BOQ and Technical Specifications are given for Bullet Camera with limited features. We request the authority to please clarify the same.	The technical specifications of ANPR based bullet camera is added In Annexure 1 of this document. Further it is clarified that, For ANPR Camera • 2 camera each at Tare and Gross weighbridge checkpoints to be installed (one camera at each weigh bridge. There shall be two weighbridges each at

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		<p>point should recognize the number plates of vehicles with accuracy rate greater than 90%, subject to visibility of the number plates of vehicles going through the Boom Barriers at Gates and also shall capture the top view of the vehicle with complete footage of the truck storage bed.</p>		<p>Tare and Gross weighbridge checkpoints).</p> <ul style="list-style-type: none"> The camera installed at check point should recognize the number plates of vehicles with accuracy rate greater than 90%, subject to visibility of the number plates of vehicles going through the Boom Barriers at Gates. <p>For IP Bullet Camera</p> <ul style="list-style-type: none"> Two IP bullet camera each to be Installed at the checkpoints without weighbridges. It shall have capability to capture the top view of the vehicle with complete footage of the truck storage bed. <p>The functional specifications of the ANPR is unchanged.</p>
116	<p>3. Technical Specifications of the new digitalized system</p> <p>Page no: 49 of 175</p>	<p>3. Technical Specifications of the new digitalized system</p>	<p>We request the authority to please provide Technical Specifications of below mentioned components which are missing from the current RFP section:</p> <ol style="list-style-type: none"> Jumbo Display RFID Tag Thermal Printer Tablet 	<p>Please refer to Annexure 1 of this document for technical specifications related to Thermal printer, Jumbo LED Display and Tablet.</p> <p>The procurement and supply of RFID tag is not in the scope of the Service provider.</p>
117	<p>3. Technical Specifications of the new digitalized system</p> <p>Page no: 52 of 175</p>	<p>6) Audio Amplifier</p>	<p>We request the authority to please provide clarity regarding nos. of Outdoor Horn Speaker to be connected for each Audio Amplifier at each location.</p>	<p>Only one speaker at each weighbridge is required at the mine site.</p>

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
118	3. Technical Specifications of the new digitalized system Page no: 53 of 175	10) Handheld RFID Reader 18. RFID reader software- From same OEM	The RFID Handheld reader software must be customized as per the customer requirement. Hence, we request the authority to please amend this clause as below: "10) Handheld RFID Reader 18. RFID reader software- From same OEM Customized as per the requirement."	Agreed
119	3. Technical Specifications of the new digitalized system Page no: 56 of 175	13) L2 Network Switch	We request the authority to please provide clarity regarding nos. of ports to be considered for L2 Network Switch	24 ports
120	3. Technical Specifications of the new digitalized system Page no: 57 of 175	14) 6KVA Online UPS	We request the authority to please provide clarity regarding Minimum Battery Backup hours to be considered for 6KVA online UPS.	Please refer Annexure -9 of the RFP. It is 2 hours battery backup.
121	SECTION VI: SERVICE LEVEL AGREEMENTS Page no: 61 of 175	A. Delay in Supply , Installation and Go Live Damages equivalent to 0.5% of Value of Contract Price excluding AMC charges (i.e. Value of Supply, installation and Commissioning) per week of delay subject to maximum of 10% of Value of Contract Price excluding CAMC charges. Minimum 3 days will be counted as week for determination of week.	We request the authority to please consider that SLA penalties/ damages shall not be applied in case the reasons not attributable to the Service provider. Kindly confirm.	Agreed
122	SECTION VIII: PAYMENT TERMS Page no: 95 of 175	- Table A: Prices for Hardware (Capital item): (X)- With Applicable taxes/GST - Table B: Prices for Software (Capital item): (Y)- With Applicable taxes/GST	With reference to the Price Schedule mentioned on the given page, it is noted that Table A, B, and D include applicable taxes/GST, while Table C and E are exclusive of GST, leading to inconsistencies across the tables. Additionally, for the purpose of Price Bid	Please note the prices are quoted exclusive of GST for one item i.e. Annual Maintenance Contract only. This is a Service component and applicable GST on Service component is comparable across bidders (as it is the same). However, there might be

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		<p>- Table C: Yearly Comprehensive Annual Maintenance Contract rate for hardware and Software (Z)- Exclusive of GST</p> <p>- Table D: Prices for Software (in case of issuance of sub-order within the rate validity period) (XX)- With Applicable taxes/GST</p> <p>- Table E: Yearly Comprehensive Annual maintenance Contract rate for Hardware (in case of issuance of sub-order within the rate validity period) (YY)- Exclusive of GST</p>	<p>Evaluation, the total price determined in cell 'AAA' shall be used, where AAA will be calculated using the formula provided in Table F of the RFP:</p> <p>Table F: Total Service Fees (Capital + CAMC) $AAA = X + Y + Z + XX + YY$</p> <p>In light of this, we kindly request the authority to amend the tables for all components and ensure that they uniformly reflect prices inclusive of applicable taxes/GST.</p>	<p>possibility, the Bidder may quote different tax rate in case of hardware components which make the prices incomparable.</p> <p>Therefore, RFP Conditions remain unchanged.</p>
123	<p>SECTION VIII: PAYMENT TERMS</p> <p>Page no: 95 of 175</p>	<p>b) It is to be noted that total Service Fees for the Table A and Table B of the above table shall not exceed the 35% of the fees quoted for Table C of the above table. In case the Bidder's Service Fees for the Table A and Table B is exceeding the 35% of the Table C then the Authority/ GMDC shall have right to rebalance it and the Bidder shall have to abide by this provision.</p>	<p>Considering the capital-intensive nature and the significant investment required for the project, the specified Capex-Opex ratio of 35%-65% may limit broader participation and increase the financial burden on the overall bid. Therefore, we request the authority to revise this criterion as follows:</p> <p>b) It is to be noted that total Service Fees for the Table A and Table B of the above table shall not exceed the 35% 80% of the fees quoted for Table C of the above table. In case the Bidder's Service Fees for the Table A and Table B is exceeding the 80% of the Table C then the Authority/ GMDC shall have right to rebalance it and the Bidder shall have to abide by this provision.</p>	<p>Please refer to Annexure 2 and Annexure 3 of this document for the amended Provision</p>
124	<p>SECTION VIII: CONTRACT TERMS AND CONDITIONS</p> <p>Point 14: Ownership of project</p> <p>page no: 129 of 175</p>	<p>b) GMDC shall have the exclusive ownership of the Source code and the business data throughout the contract period for the developed applications for its projects.</p>	<p>Can GMDC clarify if this ownership includes only custom-developed code for the project, or does it apply to all code, including reusable components developed by the vendor?</p> <p>Would GMDC be open to a perpetual license for pre-existing proprietary components, while retaining exclusive ownership of</p>	<p>The software may be developed or customized if the successful bidder possesses a product.</p> <ul style="list-style-type: none"> In case the software has been developed by the successful bidder, GMDC shall have exclusive ownership of the source code and business data.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
			<p>custom-developed code specific to the project?</p> <p>Vendors often have proprietary code libraries that are reused across projects. Complete transfer of ownership would limit future projects. Licensing pre-existing code ensures the vendor retains intellectual property rights while GMDC gets full access to custom-built modules and required functionalities.</p>	<ul style="list-style-type: none"> If the successful bidder already possesses a Commercial Off-The-Shelf (COTS) product, they may utilize this product as a foundation to further develop and customize a solution tailored to the specific needs of the department. The bidder must provide the source code for the customized solution developed for the department and business data, ensuring transparency and enabling future maintenance and potential customization by the department or other vendors. The license for the COTS product used as the base will be perpetual, granting the department indefinite rights to use the COTS product without the need for ongoing payments or renewals.
125	General	Disaster Recovery (DR) Establishment	Will a Disaster Recovery (DR) be established as part of the project scope, and what specific objectives and recovery time objectives (RTO) are expected?	DR has already been in place for all GMDC systems.
126	7.3. Performance Security Page no: 86 of 175	Performance Security The Successful Bidder shall furnish Performance Security to Authority for securing the due and faithful performance of its obligations under the Agreement, within 20 days from the LOA, in the form of Demand Draft or an unconditional and irrevocable bank guarantee (Annexure 6) for amount of equivalent to 10% (Ten percent) of total Contract Price (without GST) quoted for the Scope of Work payable to GMDC by the Successful Bidders (the "Performance	Performance Security The Successful Bidder shall furnish Performance Security to Authority for securing the due and faithful performance of its obligations under the Agreement, within 20 days from the LOA, in the form of Demand Draft or an unconditional and irrevocable bank guarantee (Annexure 6) for amount of equivalent to 10% (Ten percent) 3% (Three Percent) of total Contract Price (without GST) quoted for the Scope of Work payable to GMDC by the Successful Bidders (the "Performance Security") from Approved Bank to Authority. Such performance Security shall be in favor of Gujarat Mineral Development	RFP conditions remain unchanged.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		Security”) from Approved Bank to Authority. Such performance Security shall be in favor of Gujarat Mineral Development Corporation Ltd and admissible and payable at Ahmedabad branch from Approved Bank to Authority.	Corporation Ltd and admissible and payable at Ahmedabad branch from Approved Bank to Authority. With reference to Office Memorandum No. F_1/2/2023-PPD dated 03.04.2023, we request authority to reduce PBG from 10% to 3%.	
127	5. BID EVALUATION CRITERIA 5.1. Pre-Qualification Criteria Pg No:- 77	3. The bidder should have average audited annual turnover from IT/Software and Hardware LOB (Line of Business) of at least INR 50 Crore in any 3 consecutive financial years out of last 5 financial years (FY 19-20, FY20-21, FY 21-22, FY 22-23, FY 23-24).	The turnover requirement is usually required either as Total company's turnover or of specific domain. Turnover specific to IT/Software and Hardware is not feasible to extract from Balance sheet for the company who deals in multiple domains as this data is not specifically mentioned in the balance sheet. So we request to revise this specific to Turnover requirement from business domain like IT/ICT. Considering the size of this project the Turnover requirement of 50 Cr seems to be on higher side. So we request you to consider revising the turnover requirement to 20 Cr.	It is clarified that ICT components are part of Hardware and Software business. So Turnover from IT/ Hardware and Software/ ICT business LOB (Line of Business) are acceptable. Please note no change in value of Turnover requirements.
128	5. BID EVALUATION CRITERIA 5.2. Technical Score Criteria A1 Pg No:- 78	Average Annual audited turnover of Turnover of the Bidder in any 3 consecutive financial years out of last 5 financial years (FY 19-20, FY20-21, FY 21-22, FY 22-23, FY 23-24). Conditions Marks 50> Crore < 100 Crore 1 100>= Crore < 150 Crore 3 > 150 Crore 5	Considering the size of this project the Turnover requirement of 50Cr to 150 Cr is on higher side, so we request to revise the turnover requirement as following : Conditions Marks 20> Crore < 40 Crore 1 Mark 40> Crore < 60 Crore 3 Marks > 60 Crore 5 Marks	RFP conditions remain unchanged

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
129	5. BID EVALUATION CRITERIA 5.2. Technical Score Criteria A3 Pg No:- 78	<p>The bidder should have experience in implementation of logistic management system in the last seven years in mining sector within India.</p> <p>Logistic management System is defined as - Tracking of trucks with RFID technology implemented at mine site in mineral carrying vehicles.</p> <p>Client: Private Sector/ Government /PSUs.</p> <p>Marks per Project: 4 Maximum Projects: 3</p>	<p>Since this project is regarding the automation of mines, so emphasizing on one component i.e. RFID is not justifiable. So we request to include other components like cameras, Public Address system, Boom Barrier, RFID and LED display so that bidder with relevant expertise can be on-board.</p> <p>Request for Revision :</p> <p>The bidder should have experience in implementation of logistic management system/ Traffic Management System in the last seven years within India. Logistic management System is defined as – Automation using RFID technology, cameras, Public Address system, Boom Barrier, LED display, Sensors, Emergency Call Box implemented at the project site. Client: Private Sector/ Government /PSUs.</p> <p>Marks for project implemented in mining: 5 Marks Marks per component deployed in a single project: 1 (Total 7 marks for 7 components)</p>	Please refer to Annexure 3 of this document for the amended provision.
130	5. BID EVALUATION CRITERIA 5.2. Technical Score Criteria A5 Pg No:- 79	<p>Experience (in its own capacity without subcontracting) in execution of large-scale turnkey IT projects with hardware and software scope of work covering tracking of trucks within mine premises along with RFID technology implementation with the following components for a minimum value of 5 Crores per project in the last seven years for central/state government departments/ PSU/private sector</p>	<p>We request to change the marking criteria based on the value of project as this will demonstrate the strength of bidder to handle the large size of project and will be helpful in making this project successful.</p> <p>as suggested below:</p> <p>Single Project with value upto 15 Cr : 10 Marks Single Project with value 15 to 20 Cr : 20 Marks Single Project with value >20 Cr : 30 Marks</p>	Please refer to Annexure 2 of this document for the amended provision.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		<p>in mining projects. This project should also be comprising of ;</p> <ul style="list-style-type: none"> ▪Software development with modules including transporter module/ Weighbridge automation solution. ▪Hardware infrastructure deployment ▪Comprehensive maintenance support service for atleast 1 year <p>Marks per Project: 10 Maximum Projects: 3</p>	<p>Request for Revision :</p> <p>Experience (in its own capacity without subcontracting) in execution of large-scale turnkey IT projects with hardware and software scope of work covering tracking of trucks within mine premises along with RFID technology implementation with the following components for a minimum value of 15 Crores per project in the last seven years for central/state government departments/ PSU/private sector in mining projects. This project should also be comprising of ;</p> <ul style="list-style-type: none"> ▪Software development with modules including transporter module/ Weighbridge automation solution. ▪Hardware infrastructure deployment ▪Comprehensive maintenance support service for atleast 1 year <p>Single Project with value upto 15 Cr : 10 Marks Single Project with value 15 Cr to 20 Cr : 20 Marks Single Project with value >20 Cr : 30 Marks</p>	
131	<p>5. BID EVALUATION CRITERIA</p> <p>5.2. Technical Score Criteria</p> <p>A6</p> <p>Pg No:- 79</p>	<p>Experience in integrating any system with ERP system for any state or central government department, state PSU or private sector in the last seven years in India.</p> <p>Marks per Project: 2 Maximum Projects: 2</p>	<p>We understand ERP is also a Third party system and there are other third party applications also prevails in the project which stands equal relevance as ERP like Saarthi, Parivahan Sewa, Fastag etc. So we request to also include intergration with any third party system along with ERP.</p> <p>Request for Revision :</p> <p>Experience in integrating any system with ERP system/Third party application for any state or central government department, state PSU or private sector in the last seven years in</p>	<p>RFP condition remains unchanged.</p>

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
			India. Marks per Project: 2 Maximum Projects: 2	

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any																																																												
132	Section VIII: Payment Terms 2. Payment Terms Pg No:- 96	<p>a) The payment shall be made by GMDC as per the payment terms specified hereunder.</p> <table border="1" data-bbox="510 459 860 970"> <thead> <tr> <th>Milestone</th> <th>Payment Amount</th> <th>Timeline for processing invoice</th> <th>Submission and Approval required for the Payment</th> </tr> </thead> <tbody> <tr> <td>Delivery of all Hardware along with all accessories</td> <td>50% of the aggregate value of total delivered capital items</td> <td>Within 30 days from the receipt of Invoice.</td> <td>• Invoice. • Delivery challan confirmation at site for respective site.</td> </tr> <tr> <td>Successful Installation and Commissioning and Issuance of Go-Live Certificate.</td> <td>40% of the aggregate value of total installed capital items</td> <td>Within 30 days from the receipt of Invoice</td> <td>• Successful Installation and commissioning Go-Live Certificate issued by GM Projects of respective site.</td> </tr> <tr> <td>Six months of successful operations during the stabilization period after the Issuance of Go Live Certificate</td> <td>5% of the aggregate value of total installed capital items</td> <td>Within 30 days from the receipt of Invoice.</td> <td>• Invoice • SLA Report</td> </tr> <tr> <td>Twelve months of successful Operations during the warranty period after the Issuance of Go Live Certificate</td> <td>5% of the aggregate value of total installed capital items</td> <td>Within 30 days from the receipt of Invoice</td> <td>• Invoice. • Issuance of Project Acceptance Certificate. • SLA Report</td> </tr> <tr> <td>Comprehensive Annual maintenance Charges</td> <td>Quarterly Amount (To be derived on Pro rata basis from Annual CAMC charges)</td> <td>Within 30 days from the receipt of Invoice</td> <td>• Quarterly Invoice • Submission of Invoice • SLA Report</td> </tr> <tr> <td>Comprehensive Annual maintenance Charges in case of issuance of sub-orders.</td> <td>Quarterly Amount for the actual installed quantities (To be derived on Pro rata basis from Annual CAMC charges)</td> <td>Within 30 days from the receipt of Invoice</td> <td>• Quarterly Invoice • Submission of Invoice • SLA Report</td> </tr> </tbody> </table>	Milestone	Payment Amount	Timeline for processing invoice	Submission and Approval required for the Payment	Delivery of all Hardware along with all accessories	50% of the aggregate value of total delivered capital items	Within 30 days from the receipt of Invoice.	• Invoice. • Delivery challan confirmation at site for respective site.	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So we request the authority to include the advance payment milestone so that bidders can avoid facing financial implication during the execution phase.</p> <table border="1" data-bbox="920 692 1285 1171"> <thead> <tr> <th>Milestone</th> <th>Payment Amount</th> <th>Timeline for processing invoice</th> <th>Submission and Approval required for the Payment</th> </tr> </thead> <tbody> <tr> <td>Advance</td> <td>10% of Contract value to be adjusted with the subsequent bill</td> <td>Within 10 days from the receipt of Invoice</td> <td></td> </tr> <tr> <td>Delivery of all Hardware along with all accessories</td> <td>50% 70% of the aggregate value of total delivered capital items on pro rata basis</td> <td>Within 30 days from the receipt of Invoice.</td> <td>• Invoice. • Delivery challan confirmation at site for respective site.</td> </tr> <tr> <td>Successful Installation and Commissioning and Issuance of Go-Live Certificate.</td> <td>40% 30% of the aggregate value of total installed capital items on pro rata basis</td> <td>Within 30 days from the receipt of Invoice</td> <td>• Successful Installation and commissioning Go-Live Certificate issued by GM Projects of respective site.</td> </tr> <tr> <td>Six months of successful operations during the stabilization period after the Issuance of Go Live Certificate</td> <td>5% of the aggregate value of total installed capital items</td> <td>Within 30 days from the receipt of Invoice.</td> <td>• Invoice • SLA Report</td> </tr> <tr> <td>Twelve months of successful Operations during the warranty period after the Issuance of Go Live Certificate</td> <td>5% of the aggregate value of total installed capital items</td> <td>Within 30 days from the receipt of Invoice</td> <td>• Invoice. • Issuance of Project Acceptance Certificate. • SLA Report</td> </tr> <tr> <td>Comprehensive Annual maintenance Charges</td> <td>Quarterly Monthly Amount (To be derived on Pro rata basis from Annual CAMC charges)</td> <td>Within 30 days from the receipt of Invoice</td> <td>• Quarterly Monthly Invoice • Submission of Invoice • SLA Report</td> </tr> <tr> <td>Comprehensive Annual maintenance Charges in case of issuance of sub-orders.</td> <td>Quarterly Monthly Amount for the actual installed quantities (To be derived on Pro rata basis)</td> <td>Within 30 days from the receipt of Invoice</td> <td>• Quarterly Monthly Invoice • Submission of Invoice • SLA Report</td> </tr> </tbody> </table>	Milestone	Payment Amount	Timeline for processing invoice	Submission and Approval required for the Payment	Advance	10% of Contract value to be adjusted with the subsequent bill	Within 10 days from the receipt of Invoice		Delivery of all Hardware along with all accessories	50% 70% of the aggregate value of total delivered capital items on pro rata basis	Within 30 days from the receipt of Invoice.	• Invoice. • Delivery challan confirmation at site for respective site.	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133	SECTION VI: SERVICE LEVEL AGREEMENTS Page no 64	The SLA penalties/ damages shall not be applied in case of breach is on account of Force Majeure and or issues related to availability of bandwidth at central Mine office	Request to add the following line after the clause "In no case shall the SLA penalties in aggregate exceed 10% of the quarterly cost"	The total damages payable by way of LDs/SLA breach are already been capped at 10% of contract Price . Please refer to third para of Section VI of the RFP (page no 60).																																																												

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		level or issue related to down time of OCI Cloud or stop of the operations due to Vandalism or reasons not attributable to the Service provider		
134	SECTION VIII: CONTRACT TERMS AND CONDITIONS Sec 2.8 page no 110	(ii) shall provide an opportunity to the service provider to remedy such breach or failure within a period not exceeding 15 (fifteen) days after receipt by the service provider of such notice of suspension.	Request to consider 30 days cure period and modify as below "(ii) shall provide an opportunity to the service provider to remedy such breach or failure within a period not exceeding 30 (Thirty) 15 (fifteen) days after receipt by the service provider of such notice of suspension.	RFP conditions remain unchanged.
135	SECTION VIII: CONTRACT TERMS AND CONDITIONS Sec 3.4 page no 112	Service provider shall also acknowledge that any attempt to access the Services using IP addresses not listed in the Whitelist constitutes a material breach of this Contract Condition and may result in immediate termination of the Agreement, legal action, or other remedies as specified in the Agreement Clause 2.8 or 2.9.	Modify as below "Service provider shall also acknowledge that any successful attempt to access the Services using IP addresses not listed in the Whitelist constitutes a material breach of this Contract Condition and may result in immediate termination of the Agreement, legal action, or other remedies as specified in the Agreement Clause 2.8 or 2.9.	Agreed.

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Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
136	Section 5.1, page no.77. Pre-qualification criteria	<p>The bidder should have experience in implementation and maintenance of Automation/ Digitalization of logistic management system for any state or central government department, state PSU or private sector in the last seven years in mining projects.</p> <p>Logistic management System: System should have following features-</p> <p>1) Digitalization of processes with RFID technology implementation in mining vehicles OR Tracking of trucks with RFID technology implementation in mining vehicles AND</p> <p>2) Any 3 features from: Projects involving integration with 3rd party systems like Saarthi, Parivahan Sewa, Fastag, Mining system, Payment Gateway, Smart Weighbridge, or ERP systems</p>	<p>Request you to change the clause as : The bidder should have experience in implementation and maintenance of Automation/ Digitalization of logistic management system for any state or central government department, state PSU or private sector in the last seven years in mining projects.</p> <p>Logistic management System: System should have following features-</p> <p>1) Digitalization of processes with RFID technology implementation in mining vehicles OR Tracking of trucks with RFID technology implementation in mining vehicles AND</p> <p>2) Any 3 features from: Projects involving integration with 3rd party systems like Saarthi, Parivahan Sewa, Fastag, Mining system, i3MS, ICC, Payment Gateway, Smart Weighbridge/Boom Barrier, SAP or ERP systems</p>	Please refer to Annexure 2 of this document for the amended provision.
137	Section 5.2, page no.78. Technical Score. A1	<p>Average Annual audited turnover of Turnover of the Bidder in any 3 consecutive financial years out of last 5 financial years (FY 19-20, FY20-21, FY 21-22, FY 22-23, FY 23-24).</p> <p>50> Crore < 100 Crore - 1 mark 100> Crore < 150 Crore - 3 marks > 150 Crore - 5 marks</p>	<p>Request you to change the clause as :</p> <p>Average Annual audited turnover of Turnover of the Bidder in any 3 consecutive financial years out of last 5 financial years (FY 19-20, FY20-21, FY 21-22, FY 22-23, FY 23-24).</p> <p>50> Crore < 100 Crore - 3 mark For every additional 50 crore, 1 mark will be extra maximum upto 5 marks</p>	RFP condition remains unchanged.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
138	Section 5.2, page no.78-79. Technical Score. A3	<p>The bidder should have experience in implementation of logistic management system in the last seven years in mining sector within India.</p> <p>Logistic management System is defined as - Tracking of trucks with RFID technology implemented at mine site in mineral carrying vehicles.</p> <p>Client: Private Sector/ Government /PSUs.</p> <p>Marks per Project: 4 Maximum Projects: 3</p>	<p>The bidder should have experience in implementation of logistic management system in the last seven years in mining sector within India.</p> <p>Logistic management System is defined as - Tracking of trucks with RFID technology implemented at mine site in mineral carrying vehicles.</p> <p>Client: Private Sector/ Government /PSUs.</p> <p>Marks per Project: 4 Maximum Projects: 3 Or If the value of a single project exceeds 20 Crores, it will be considered for 12 marks</p>	Please refer to Annexure 2 of this document for the amended provision.
139	Section 5.2, page no.79. Technical Score. A4	<p>Experience in Development of IT solution or application implementation in APEX platform for any state or central government department, state PSU or private sector in the last seven years in India.</p>	<p>Experience in Development of IT solution or application implementation in APEX platform or Integration of SAP for any state or central government department, state PSU or private sector in the last seven years in India.</p> <p>2 projects – 3 marks 1 project – 1.5 marks</p>	RFP condition remains unchanged.
140	Section 5.2, page no.79. Technical Score. A5	<p>Experience (in its own capacity without subcontracting) in execution of large-scale turnkey IT projects with hardware and software scope of work covering tracking of trucks within mine premises along with RFID technology implementation with the following components for a minimum value of 5 Crores per project in the last seven years for central/state government</p>	<p>Experience (in its own capacity without subcontracting) in execution of large-scale turnkey IT projects with hardware and software scope of work covering tracking of trucks within mine premises along with RFID technology implementation with the following components for a minimum value of 50 Crores project in the last seven years for central/state government departments/ PSU/private sector in mining projects. This project should also be comprising of ;</p>	Please refer to Annexure 2 of this document for the amended provision

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
		<p>departments/ PSU/private sector in mining projects. This project should also be comprising of ;</p> <p>1) Software development with modules including transporter module/ Weighbridge automation solution.</p> <p>2) Hardware infrastructure deployment</p> <p>3)Comprehensive maintenance support service for atleast 1 year</p> <p>Marks per Project: 10 Maximum Projects: 3</p>	<p>1) Software development with modules including transporter module/ Weighbridge automation solution.</p> <p>2) Hardware infrastructure deployment</p> <p>3)Comprehensive maintenance support service for atleast 1 year</p> <p>Maximum Marks: 30 (If the project value is minimum 50 crores) Maximum Project -1</p>	
141	Section 5.2, page no.79. Technical Score. A6	<p>Experience in integrating any system with ERP system for any state or central government department, state PSU or private sector in the last seven years in India.</p> <p>Marks per Project: 2 Maximum Projects: 2</p>	<p>Experience in integrating any system with ERP or SAP system for any state or central government department, state PSU or private sector in the last seven years in India.</p> <p>Marks per Project: 2 Maximum Projects: 2</p>	Please note the SAP is considered as ERP. RFP condition remains unchanged.
142	Section 5.2, page no.79. Technical Score. A7	<p>Certifications owned by the service provider organization</p> <p>CMMI SEI Level 5 - 0.5 mark</p> <p>ISO 27001:2013 - 0.5 mark</p>	<p>Certifications owned by the service provider organization</p> <p>CMMI SEI Level 3 or above - 0.5 mark</p> <p>ISO 27001:2013 - 0.5 mark</p>	Please refer to Annexure 2 of this document for the amended provision.
143	5.1 Pre-Qualification Criteria, Point No 3 Page No - 77/175	<p>The bidder should have average audited annual turnover from IT/Software and Hardware LOB (Line of Business) of at least INR 50 Crore in any 3 consecutive financial years out of last 5 financial years (FY 19-20, FY20-21, FY 21-22, FY 22-23, FY 23-24).</p>	<p>Annual turn over to be reduce to 30 Cr in any last three years or any 3 years in mentioned years</p> <p>We respectfully request a revision to the tender criteria regarding the annual turnover requirement</p> <p>1. Over the past few years, we have experienced fluctuations due to unforeseen economic circumstances, such as the COVID-</p>	RFP condition remain unchanged.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
			19 pandemic, Adjusting the turnover requirement to ₹30 crore provides a more achievable threshold. Also Encouraging Broader Participation	
144	5.2. Technical Score Criteria, Point No A7 Page No - 79/175	Certifications owned by the service provider organization # CMMI SEI Level 5	CMMI to be lower as CMMI Level 3 CMMI certification requirement to be lowered to Level 3, with relaxation provided.	Please refer to Annexure 2 of this document for the amended provision
145	Clause 5.1 -PQ	PQ criteiria	Since working capital is a vital indicator of a bidder's financial stability and ability to manage daily operational expenses without cash flow risks, we kindly request the client to incorporate a working capital clause into the Prequalification criteria. The clause could state: "The bidder must demonstrate a minimum working capital of [insert amount in INR] in the most recent fiscal year, verified through audited financial statements or a certified letter from the bidder's bank."	RFP conditions remain unchanged
146	Section-VIII (Payment Terms) 1. PRICES FOR HARDWARE, SOFTWARE AND CAMC ITEMS	It is to be noted that total Service Fees for the Table A and Table B of the above table shall not exceed the 35% of the fees quoted for Table C of the above table. In case the Bidder's Service Fees for the Table A and Table B is exceeding the 35% of the Table C then the Authority/ GMDC shall have right to rebalance it and the Bidder shall have to abide by this provision.	Since this project consist of Software development and procurement of hardware, so the capex amount should be higher than the Opex amount. However the clause specified the Table A + Table B Should not exceed 35% of Table C which is not feasible during implementation period. Hence we request the client to kindly revise the clause as per following "It is to be noted that Annual Service Fees quoted for the Table C shall not exceed 20% of fees quoted for Table A and Table B of the above table. In case the Bidder's Service Fees exceeds 20% then the Authority/ GMDC shall have right to rebalance it and the Bidder shall have to abide by this provision"	Please refer to Annexure -2 of this document for the amended provision
147	Generic	Date Extension	Given the extensive scope of work, we have a limited timeframe to prepare a comprehensive bid. To ensure a high-quality proposal, we	The Bid submission date is extended. Please refer to Annexure -4 of this document.

Answer to Pre - Bid Queries and Corrigendum - 1

Sl. No.	RFP Document Reference (Section and Page no.)	Content of RFP requiring clarification	Clarification sought	Draft Response/ Addendum/ Corrigendum if any
			respectfully request an extension of at least 15 days from the date of submission deadline.	

ANNEXURE 1: TECHNICAL SPECIFICATION OF COMPONENTS**A. Technical Specification of:****1. Thermal Printer**

Sr. No.	Specification	Details
1.	Resolution	203 dpi
2.	Memory	8MB SDRAM, 16MB Flash or 64MB ROM
3.	Print Width	50 mm to 72 mm
4.	Max print speed	50 mm/s or faster
5.	Sensors	Media Out sensing
6.	Operating temp	0°C to 45°C
7.	Storage Temp	-20°C to 60°C
8.	Printing length per charge	Minimum of 500 labels x 8.5 in. length
9.	IP rating	IP54 or above
10.	AC to USB cable	Use AC to USB Adapter to charge your printer along with USB Cable
11.	Safety	BIS or equivalent
12.	Bluetooth	Bluetooth 2.1 or better
13.	USB Port	USB 2.0
14.	Charging method	USB and/or docking charging
15.	Supported OS	IOS, Android, Windows and MAC
16.	User Interface	Control Buttons, LED Indicators

2. Jumbo LED Display

Sr. No.	Specification	Details
1.	Pixel Pitch	6 mm or better
2.	Pixel Density	Minimum 22,500 dots per sqm or higher
3.	Led Configuration	RGB 3 in 1 SMD
4.	Maximum Power Consumption	825 w/sqm or lower
5.	Module Size (min.)	2M x 1.5M
6.	Refresh Rate	>1,920 Hz or better
7.	Brightness	5,500 cd/m ² or better
8.	IP Grade	IP65 or better with BIS
9.	Dimming Capability	256 levels adjustable
10.	Vertical Viewing Angle	H 140°/ V 90° or better
11.	Operating Temperature	-10°C to 50°C or better
12.	IP rating	IP65 or better front and IP56 Rear
13.	Safety Certifications (Mandatory to submit along with the bid)	BIS or Equivalent (CE, FCC, RoHS) FCC Certification for Compliance to FCC For Electro Magnetic Emission which may not cause harmful interference and must not accept any interference received Under Standard: FCC CFR Title 47 Part 15 Subpart B:2015 Class A, cispr 22:2008, ANSI C63.4:2014, ICES-003 Issue 6:2016: Class A or BIS or Equivalent Certification QMS 9001:2008
14.	Power Input	100 ~ 240 VAC
15.	Mounting the LED display	F Type
16.	Data Transfer Method	Data capturing from Various PC software's and from databases like Oracle, Access, SQL, etc and/or from Cloud Server using various IoT protocols such as MQTT, REST APIs, HTTP, etc.
17.	Remote Control	Should be able to remotely configure, manage and feed content Central remote location over IP Should be able to play the selective contents at different LED Screens as per the requirement

Answer to Pre - Bid Queries and Corrigendum - 1

Sr. No.	Specification	Details
		<p>Should provide an easy-to-use playlist format for scheduling of content, images, videos etc.</p> <p>The Hardware for the central server has to be provided by the client along with the proposed solution</p>
18.	Grey Scale Processing	12 Bit or better
19.	Contrast Ratio	3000:1 or better
20.	Access for Maintenance	Rear
21.	Display Size (W x H)	Minimum 2 M x 1.5 M
22.	Surge protection	Class C Optional or External Surge Protector
	LED controller	
23.	Signal Input and Output	DVI / HDMI /VGA with resolution capability of 1920 x 1200 or better and RJ45
24.	Maximum Load Capacity	2.3 Million Pixels
	Media Player	
25.	Media Player with built in Playout software	Should Support minimum output resolution equal to resolution of the LED wall or higher & should be compatible to cloud of reputed manufacturers
26.	OS	Windows 11 or higher
27.	Internal drive	120GB Solid State Drive Minimum
28.	Output	HDMI for Graphics
29.	Operating System Video	At least should support MPEG-4, WMV, MOV, AVI,MP2
30.	Audio	MP3, WMA, AAC
31.	Image	JPEG, PNG, BMP, G
32.	Text	Selectable Fonts
33.	Internet	HTML, XML Files, RSS newsfeeds
34.	Network	Ethernet 1000/100/10 (RJ45) and Wi-Fi

3. Tablet

Sr. No.	Specification	Details
1.	Operating System	Android 14 or better
2.	Processor	Octa-Core 2.0 GHz or better
3.	Memory	8 GB RAM 128 GB internal memory microSD memory up to 256 GB
4.	Frequencies	3G , 4G and 5G compatible with Indian network
5.	Dimensions	241 x 149 x 22 mm or more
6.	Display	Gorilla Glass® 3. generation 1200 x 1920 pixels
7.	Battery	8400 mAh
8.	Camera	13 MP Auto Focus with flash rear camera 5 MP front camera
9.	Connections	WiFi, Bluetooth & GPS
10.	Type of protection	IP 65 per IEC sealing with BIS
11.	Additional features	Usable with gloves
12.	Enclosure	Rugged cover/ enclosure

4. Boom Barrier

Sr. No.	Specification	Details
1.	Application	Outdoor
2.	IP Rating & Wind Speed Rating	IP54 with BIS
3.	Housing	Barrier Housing Unit: Powder Coated Boom: Powder Coated White with Red reflective strips preferably with SS304 / SECC base trim
4.	Housing Dimension	Modular
5.	Protection	All Housing and internal parts shall be rust & corrosion free metals or alloys of high strength with suitable Epoxy coating as applicable.
6.	Boom Specifications	Boom should be preferably connected with Barrier in two parts to save the Barrier main

Answer to Pre - Bid Queries and Corrigendum - 1

Sr. No.	Specification	Details
		unit with swing-away feature in case vehicle hit the Boom Arm.
7.	Interfaces	RS485 interfaces
8.	Compliance and Safety	Compliance to CE. Adherence to Safety Requirements of the EMC Directive 2004/108/EC, Low Voltage Directive 2006/95/EC or better and The basic requirements of the Machinery Directive 2006/42/EC or better.
9.	Integration	Shall function in integration with Fastags (smart cards), proximity reader-based access control systems etc
10.	Power Supply	230+/- 10% VAC
11.	Power Frequency	50 Hz
12.	Electro-motor rating	20-30 VDC
13.	Boom Length	3/3.5 meter (Min)
14.	Boom Opening Time	Less than 5s
15.	Running Noise	< 60-75 dB
16.	Duty Cycle	100%. Barriers should work 24 Hrs*7 *365 days without any resting time.
17.	Operating Temperature	0°C to +55°C
18.	Humidity	10% to 95% (Non-Condensing)
19.	Communication	Relay Interface to connect with any Access Control or R.F. Identification Reader device.
20.	Certification	TUV certificate For Opening & Closing time Certification for Ingress Protection EMC Test report
21.	Opening & Closing Time	Less than 5 seconds
22.	Safety	Sensors to be used to prevent barriers from closing on the vehicle.
23.	Foundation for Boom Barrier	Shall be installed on a precast or cast in- SITU RCC foundation

5. Integrated RFID Reader

Sr. No.	Specification	Details
1.	Read Range	10 meter or more
2.	Ports	Integrated Unit
3.	Processor	Dual Core ARM7 Cortex-A9 or better
4.	Memory	4 GB eMMC (Flash) / 2 GB (RAM)
5.	Application	Dense tag environments
6.	Reader Housing and Safety	IP-65 or better and BIS
7.	Connectivity	Gigabit Ethernet (RJ45)
8.	Operating Temp	-10°C to +55°C
9.	ISO standard	ISO 18000-6C/63 - EPC C1G2
10.	Power Output	10 - 30 dBm, 1 dBm steps or better
11.	Specific Absorption Ratings	FCC or equivalent
12.	Humidity	5% to 95% non-condensing
13.	Reading accuracy on Continuous power "ON"	The device should have designed to be powered on throughout its life. The device should not hang or restart automatically due to whatever reason.
14.	Regulatory Compliances	RoHS, WEEE
	ANTENNA	
15.	Accessories	Integrated Antenna
16.	Frequency and Gain	865 - 867 MHz or better
17.	3db Beam width	H : 40°, V : 40° or better
18.	RFID reader software	Customized as per the requirement.
19.	Integration Protocol	MQTT / Socket Programming / API / any better
20.	Communications	Ethernet, Serial(DB9)

6. IP Bullet Camera

Sr. No.	Specification	Details
1.	Image Sensor	Progressive scan CMOS
2.	Min. illumination	0.002 Lux@F1.6 (Color, 30 IRE)
3.	Image Resolution	4 Megapixel (1920 x 1080) HD resolution
4.	Lens	Varifocal f2.8mm-12mm
5.	Rating and safety	IP65 or above and BIS
6.	Day & night	IR 50M
7.	Wide dynamic range	Yes
8.	Backlight compensation	Yes
9.	Video compression	H.264 / MJPEG
10.	Frame rate	30fps (1920 x 1080), 30fps (1920 x 1080)
11.	Image settings	Saturation, brightness, contrast adjustable, Digital Zoom through client software
12.	Alarm trigger	Motion detection, tampering alarm
13.	Protocols	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, Ipv6, DNS,DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UpnP, SNMP, Bonjour
14.	IP66 or better ,weatherproof	Yes
15.	POE	Yes
16.	Onboard Storage	Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB
17.	Vandal proof	Yes
18.	Model & Version	Latest version and technology incorporated
19.	Communication Interface	Ethernet RJ45 10M/100M
20.	Housing	Vandal resistant Aluminum enclosure
21.	Day/Night Camera	Auto day/night configuration
22.	Vandal Proof Certification	IK10 Housing
23.	Operating Temperature	-10 to 55° C Degrees.
24.	ONVIF Compliance	ONVIF Latest profile

7. ANPR Bullet Camera

Sr. No.	Specification	Details
1.	Image Sensor	4 MP or above, Progressive scan CMOS or better
2.	Min. illumination	0.06 Lux@F1.6 (Color, 30 IRE) or better
3.	Image Resolution	1920 x 1080 HD resolution
4.	Lens	Varifocal Remote focus, Auto Iris
5.	Rating and safety	IP65 or above and BIS
6.	Day & night	Removable IR-Cut filter for day & night function Preferably Headlight filter design for Anti-Glare
7.	Wide dynamic range	Yes
8.	Backlight compensation	Yes
9.	Video compression	H.264 / MJPEG
10.	Frame rate	30fps (1920 x 1080), 30fps (1920 x 1080)
11.	Image settings	Saturation, brightness, contrast adjustable, Digital Zoom through client software
12.	Alarm trigger	Motion detection, tampering alarm
13.	Protocols	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, Ipv6, DNS,DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UpnP, SNMP, Bonjour
14.	IP rating	IP66 or better ,weatherproof
15.	POE	Yes
16.	Onboard Storage	Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB
17.	Vandal proof	Yes
18.	Model & Version	Latest version and technology incorporated
19.	Communication Interface	Ethernet RJ45 10M/100M
20.	Housing	Vandal resistant Aluminum enclosure
21.	Day/Night Camera	Auto day/night configuration
22.	Vandal Proof Certification	IK10 Housing
23.	Operating Temperature	-10 to 55° C Degrees.
24.	ONVIF Compliance	ONVIF Latest profile

8. Traffic Signal

Sr. No.	Specification	Details
1.	Power	12VDC
2.	Description-Two color – Red and Green	Stop/Go -Red and Green Traffic Light
3.	LED Life	1,00,000 Hrs
4.	Type	High Brite
5.	Housing	200MM/300MM-Standard
6.	LED	High bright LED's max up to 4 should be used as central source
7.	Rating and safety	IP56 or higher and BIS
8.	Power Consumption	14W or better
9.	Temperature	0 ° to +55 ° degree Celsius
10.	MTBF	should be > 50,000 hours
11.	Interface	Digital Output/ RS232/ RJ45 Ethernet Port
12.	Certification	EN12368 Certified from EN certified lab or equivalent
13.	Visibility	200 meters in normal conditions

9. Controller

Sr. No.	Specification	Details
1.	Processing Unit	Octa-Core with 64 bit Processor
2.	eMMC	16 GB capacity
3.	RAM	8 GB (minimum)
4.	Audio and Voice	3.5mm Audio Jack, MEMS Mic
5.	Display Interface	HDMI/VGA, <i>(Must support USB:Type C 3.0,Type B 2.0 OTG and Type A 2.0)</i>
	Electrical Characteristics	
6.	Supply Voltage	3.55V~4.4V
7.	Type	3.8V Type

Answer to Pre - Bid Queries and Corrigendum - 1

Sr. No.	Specification	Details
8.	Extended Temperature	0°C ~ +50°C
9.	Protocols	I2C x 5, UART x 3 (RS485, RS232, WiSUN interface and Debug UART), SPI x 2, WLAN: 2.4G/5G, 802.11a/b/g/n/ac and NFC
10.	Bluetooth	Yes 4.1
11.	Interface	Micro SIM, Micro SD, Ethernet

10. Ultrasonic Sensors

Sr. No.	Specification	Details
1.	Input Voltage	5V
2.	Current Draw	20mA (Max)
3.	Digital Output	5V
4.	Working Temperature	-15°C to 70°C
5.	Sensing Angle	30°C
6.	Angle of Effect	15°C
7.	Ultrasonic Frequency	85kHz
8.	Range	2cm – 400cm
9.	Rating and safety	IP65 or better and BIS
10.	Interface type	Adequate Interface to meet functional requirements
11.	Rating operating current	short-circuit/overload protected

11. 6KVA Online UPS (2 hours battery backup)

Sr. No.	Specification	Details
1	Power rating	6000VA/6KVA
2	Input voltage range	Half load (110-300) + 5VAC Full load (176-300) + 5VAC
3	Input Frequency	46-54 Hz or 56-64 Hz
4	Current Crest Ratio	3:1

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Sr. No.	Specification	Details
5	Output Voltage	240 VAC (configurable 208- 240VAC)
6	Output frequency	46-54 Hz or 56-64 Hz (On Mains) 50/60 Hz ± 0.1 Hz (On Battery)
7	Waveform type	Pure sinewave
8	Interface ports	Serial RS-232, USB (type B), Intelligent Smart-Slot SNMP Card to be provided with UPS
9	Control panel	LED indicators, multi-function LCD, status and display console
10	Operating temperature	0°C to 50°C
12	Relative humidity	0 to 95% non-condensing
13	Protection class	IP 20
14	Recharge time	Minimum 8 hours to recover or better
15	Battery	Lithium-ion battery with 5 year warranty period.

12. LED Display at Weighbridges

Sr. No.	Specification	Details
1.	Type	LED, Red Color
2.	LED Intensity	5500 mCD or higher
3.	Visibility Range	More than 20 meters
4.	Refresh Rate	50 Hz – 100 Hz
5.	Display	should display text and graphic messages using Light Emitting Diode (LED) arrays on SMD technology
6.	Display support	true type fonts and adjustable based on the Operating system requirement
7.	Size	24" X 6" or above
8.	Temperature	0 to 55 degree Celsius
9.	Language	English & Numeric
10.	Communication	Ethernet
11.	Rating	IP 65 or better
12.	Safety	BIS

13. Handheld RFID readers

Sr. No.	Specification	Details
1.	RFID standards	EPC Class 1 Gen 2 / ISO 18000- 6c, ISO 18000-63
2.	Read rate	As fast as 700+ tags/sec
3.	Nominal read Range	20+ ft./ 6+ m
4.	Frequency Range / RF Output	865 - 868 MHz / 920 - 925 MHz / 902 - 928 MHz
5.	Drop Specification	Minimum 4 ft./1.2 Meter
6.	Operating Temp	-10°C to 50°C
7.	Storage Temp.	-10°C to 60°C
8.	Sealing	IP52 or better
9.	CPU	Minimum Octa-Core Processor, 1.8 GHz or higher processing speed
10.	Operating System	Android 12 or higher
	Android Data Terminal	
11.	Compatibility	Should be from same OEM as that of the RFID for complete compatibility
12.	Display	5.0 in. color HD (1280 x 720) or better; LED backlight
13.	Power	Rechargeable Li-Ion Standard battery: ≥ 3300 mAh/12.54 Wh
14.	Expansion Slot	One 32 GB micro-SD slot or better
15.	SIM	Optional 1 SIM slot
16.	Network Connections	WLAN, WPAN, USB 2.0 hi-speed (host and Client) or integrated
17.	Memory	4 GB RAM/128 GB Flash memory or better
18.	Sealing	IP65 or better
19.	Charging	Normal charger from the same OEM to be provided
20.	Scanning	1D/2D image scanner, Camera scanning provision
21.	Camera	Rear camera 8 MP or higher; Front camera 5 MP or higher

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Sr. No.	Specification	Details
22.	GPS	GPS
23.	Wireless LAN	IEEE 802.11, IPv4, IPv6
	RFID reader software	
24.	Software	From same OEM

14. WAN Radio Link

Sr. No.	Specification	Details
1.	Processor & Memory	Qualcomm 750MHz CPU, MIPS 74Kc or Better 128 MB DDR2 RAM, 16 MB Flash or Better
2.	Interface	1 10/100/1000 Mbps Shielded Ethernet Port (LAN/POE) 1 Reset Button
3.	Antenna Gain	23 dBi
4.	Wireless Standards	IEEE 802.11a/n/ac
5.	Wireless Speeds	Up to 867 Mbps (80 MHz, Dynamic) Up to 400 Mbps (40 MHz, Dynamic) Up to 173.4 Mbps (20 MHz, Dynamic)
6.	Frequency	5.15–5.85 GHz
7.	Network Configuration	WAN: Static/ Dynamic/ PPPoE LAN: Static/ Dynamic/ DHCP Forwarding: ALG/ UPnP/ Virtual Server/ Port Trigger Security: SPI Firewall/ Ping Forbidden/ DoS Protection Access Control Static Routing Bandwidth Control IP & MAC Binding
8.	Wireless Configurations	Selectable Channel Width: 20/40/80MHz Auto Channel Selection

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Sr. No.	Specification	Details
		Transmit Power Control Dynamic Frequency Selection(DFS) WDS Enable/ Disable Security: WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP) Encryption, SSID Broadcast Enable/ Disable Multi-SSID with VLAN Tagging(AP Mode only) Interval/ AP Isolation/ Short GI/ Wi-Fi Multimedia Long Range PtP
9.	Certification	CE, FCC, RoHS, IP65 or better , IC

ANNEXURE 2: CORRIGENDUM

Sr. No.	RFP provision	Amended Provision
1	<p>Section 7 Clause 5.1 (2) of PQ criteria</p> <p>The bidder should have experience in implementation and maintenance of Automation/Digitalization of logistic management system for any state or central government department, state PSU or private sector in the last seven years in mining projects.</p> <p>Logistic management System: System should have following features</p> <ol style="list-style-type: none"> 1. Digitalization of processes with RFID technology implementation in mining vehicles OR Tracking of trucks with RFID technology implementation in mining vehicles <p>AND</p> <ol style="list-style-type: none"> 2. Any 3 features from: Projects involving integration with 3rd party systems like Saarthi, Parivahan Sewa, Fastag, Mining system, Payment Gateway, Smart Weighbridge, or ERP systems 	<p>The bidder should have experience in implementation and maintenance of Automation/Digitalization of logistic management system for any state or central government department, state PSU or private sector in the last seven years in mining/ metal/ logistics /industries projects.</p> <p>Logistic management System: System should have following features</p> <ol style="list-style-type: none"> 1. Digitalization of processes with RFID technology implementation in freight carrying vehicles OR Tracking of trucks with RFID technology implementation in freight carrying vehicles <p>AND</p> <ol style="list-style-type: none"> 2. Any 3 features from: Projects involving integration with 3rd party systems like Saarthi, Parivahan Sewa, Fastag, Mining system/ State level regulatory system for mining, Payment Gateway, Smart Weighbridge/ boom barrier, or ERP systems¹.
2	<p>Section 7 Clause 5.2 A – (3) of Technical Marking Criteria</p> <p>The bidder should have experience in implementation of logistic management system in the last seven years in mining sector within India.</p> <p>Logistic management System is defined as - Tracking of trucks with RFID technology implemented at mine site in mineral carrying vehicles. Client: Private Sector/ Government /PSUs.</p> <p>Marks per Project: 4 Maximum Projects: 3</p> <p>Total Marks: 12</p>	<p>The bidder should have experience in implementation of logistic management system in the last seven years in mining /Metal/ Industrial sector within India.</p> <p>Logistic management System is defined as - Tracking of vehicles with RFID technology implemented in freight carrying vehicles. Client: Private Sector/ Government /PSUs.</p> <p>Sectoral Weightage</p> <ol style="list-style-type: none"> (a) For Mining and /Metal sector experience <ul style="list-style-type: none"> • Marks per project: 4 • Total Marks : 12 (3 projects) (b) For Logistic and /Industries sector experience

¹ SAP is also considered as ERP

Answer to Pre - Bid Queries and Corrigendum - 1

Sr. No.	RFP provision	Amended Provision
		<ul style="list-style-type: none"> • Marks per project: 3 • Total Marks: 9 (3 projects) • Maximum of 3 projects for sectors other than Mining and or metal to be considered <p>If demonstrated/ showcased project is executed in different mines/ sites in a single work order then each mine/ site shall be considered as separate project for assigning the marks.</p>
3	<p>Section 7 Clause 5.2 A – (4) of Technical Marking Criteria</p> <p>Experience (in its own capacity without subcontracting) in execution of large-scale turnkey IT projects with hardware and software scope of work covering tracking of trucks within mine premises along with RFID technology implementation with the following components for a minimum value of 5 Crores per project in the last seven years for central/state government departments/ PSU/private sector in mining projects. This project should also be comprising of ;</p> <ul style="list-style-type: none"> • Software development with modules including transporter module/ Weighbridge automation solution. • Hardware infrastructure deployment • Comprehensive maintenance support service for atleast 1 year <p>Marks per Project: 10 Maximum Projects: 3</p> <p>Maximum Marks -30</p>	<p>Experience in execution of large-scale turnkey IT projects with hardware and software scope of work covering tracking of freight Carrying vehicles within closed premises along with RFID technology implementation with the following components for a minimum value of 5 Crores per project in the last seven years for central/state government departments/ PSU/private sector in Mining/ Metal/ Industrial sector within India. This project should also be comprising of ;</p> <ul style="list-style-type: none"> • Software development with modules including Weighbridge automation solution /transporter module/ process digitization. • Hardware infrastructure deployment • Comprehensive maintenance support service for atleast 1 year <p>Sectoral weightage of experience</p> <p>(a) For Mining and /Metal sector</p> <ul style="list-style-type: none"> • Marks per project: 10 • Total Marks : 30 (3 projects) <p>(b) For Logistic and /Industries sector</p> <ul style="list-style-type: none"> • Marks per project: 7 • Total Marks: 21 (3 projects) <p>Maximum of 3 projects for sectors other than Mining and or metal to be considered</p>

Answer to Pre - Bid Queries and Corrigendum - 1

Sr. No.	RFP provision	Amended Provision
		If demonstrated/ showcased project is executed in different mines/ sites in a single work order then each mine/ site shall be considered as separate project for assigning the marks
	<p>Clause 5.2 A – (7) of Technical Marking Criteria</p> <p>Certifications owned by the service provider organization</p> <p>CMMI Level 5 -0.5 marks ISO 27001:2013 – 0.5 mark</p>	<p>Clause 5.2 A – (7) of Technical Marking Criteria</p> <p>Certifications owned by the service provider organization</p> <p>CMMI Level 3 or above -0.5 marks ISO 27001:2013 – 0.5 mark</p>
4	Section 7 Project Experience Criteria specified in Clause 5.1 and 5.2	<p>With respect to Project Experience criteria specified in clause 5.1 and 5.2 of Instruction to Bidder section, completed projects shall only be considered as eligible Project experience.</p> <p>The Completed Project is defined as “ Project should have been commissioned and become Live . The project should have entered either Warranty or Maintenance phase and relevant completion certificate / Go Live Certificate is issued by the client” .</p>
5	<p>Section 7 Clause 5.2 – last para</p> <p>Bidder must Score minimum 70 marks out of total 100 marks in Technical Marking Section specified herein above. The bids of bidders obtaining lower than 70 score will be declared disqualified and not be processed further for price bid evaluation stage.</p> <p>Section 7 Clause 5.3 – first para</p> <p>The Price Bid of only Technically qualified (Bidders meeting Pre-Qualification Criteria and obtaining minimum 70 marks in the technical score system as specified in clauses 5.1 and 5.2 respectively) Bidders shall be opened.</p>	<p>Section 7 Clause 5.2 – last para</p> <p>Bidder must Score minimum 60 marks out of total 100 marks in Technical Marking Section specified herein above. The bids of bidders obtaining lower than 60 score will be declared disqualified and not be processed further for price bid evaluation stage.</p> <p>Section 7 Clause 5.3 – first para</p> <p>The Price Bid of only Technically qualified (Bidders meeting Pre-Qualification Criteria and obtaining minimum 60 marks in the technical score system as specified in clauses 5.1 and 5.2 respectively) Bidders shall be opened.</p>
6	<p>Section 7 Clause 5.4 (i) – Composite Score</p> <p>The Composite Score of the Bidder shall be determined by combining Technical and Financial Scores based on following formula.</p> <p>Composite Score (CS) =Technical Score (TeS) * 0.70 + Financial Score (Fis) * 0.30</p>	<p>Section 7 Clause 5.4 (i) – Composite Score</p> <p>The Composite Score of the Bidder shall be determined by combining Technical and Financial Scores based on following formula.</p> <p>Composite Score (CS) =Technical Score (TeS) * 0.80 + Financial Score (Fis) * 0.20</p>

Answer to Pre - Bid Queries and Corrigendum - 1

Sr. No.	RFP provision	Amended Provision
	The technical experience has been assigned 70% of weightage while price quote is assigned 30% weightage.	The technical experience has been assigned 80% of weightage while price quote is assigned 20% weightage.
7	<p>Section VIII -1 (b) (page no 95)</p> <p>It is to be noted that total Service Fees for the Table A and Table B of the above table shall not exceed the 35% of the fees quoted for Table C of the above table. In case the Bidder's Service Fees for the Table A and Table B is exceeding the 35% of the Table C then the Authority/ GMDC shall have right to rebalance it and the Bidder shall have to abide by this provision</p>	<p>Section VIII -1 (b) (page no 95)</p> <p>It is to be noted that total Service price for the Table A and Table B of the above table shall not exceed the 60% of the total price quoted for Tables A+B+C together of the above tables. In case the Bidder's total Price for the Table A and Table B is exceeding the 60% of the total price quoted for Tables A+B+C together then the Authority/ GMDC shall have right to rebalance it and the Bidder shall have to abide by this provision</p>
8	<p>Section 9 Clause 11.1. Rate Validity Period</p> <p>(a) The Base prices/rates (which are exclusive of all taxes) of hardware and software items (capital items) quoted by the Service Provider in Price Bid Tables A, B, C and D shall remain fixed for a period of 24 months from the Due Date of Submission/Bid Submission Date (the "Rate Validity Period"). The Service Provider shall be required to install and implement hardware and software forming part of the Mine Digitalisation Project at same rate that it has quoted within Rate Validity Period.</p> <p>(b) The Base Rates beyond Rate Validity Period shall be revised with 5% annual escalation.</p>	<p>Section 9 Clause 11.1. Rate Validity Period</p> <p>(a) The Base prices/rates (which are exclusive of all taxes) of hardware and software items (capital items) quoted by the Service Provider in Price Bid Tables A, B, C and D shall remain fixed for a period of 18 months from the Due Date of Submission/Bid Submission Date (the "Rate Validity Period"). The Service Provider shall be required to install and implement hardware and software forming part of the Mine Digitalisation Project at same rate that it has quoted within Rate Validity Period.</p> <p>(b) The Base Rates beyond Rate Validity Period shall be decided in mutually agreed terms.</p>
9	<p>Clause 5.2 (B) of Section 7</p>	<p>Following para stands inserted in Clause 5.2 (B) of Section 7</p> <ul style="list-style-type: none"> • Last bulleted point: "Quality of solution and products offered."

ANNEXURE 3: AMENDED PRICE BID FORMAT (TABLE A AND TABLE B)

Table A and Table B of Annexure -9 stands amended as below.

Table A: Prices for Hardware (Capital item):

Sr. No.	Items	No. of Units (A)	Base Rate per Unit (B)	Applicable taxes/GST (C)	Total D=(A*(B+C))
1.	Boom Barrier	12			
2.	RFID Antenna and Reader	9			
3.	Traffic Light	12			
4.	LED Display	8			
5.	Jumbo LED Display	1			
6.	Poles (10 ft)	12			
7.	Bullet camera	12			
8.	Handheld RFID tag scanner	6			
9.	Controllers	6			
10.	Thermal Printers	2			
11.	WLAN/ Radio Link with switches and cables	5			
12.	Speaker with Audio Amplifier	4			
13.	6 KVA UPS (2 hrs backup)	6			
14.	Ultrasonic sensors	12			
15.	L2 Network Switch	6			
16.	Tablet with application	1			
17.	Cost of shifting checkpoint hardware component for cabin without weighbridge (unit rate)	1			
18.	Cost of shifting checkpoint hardware component for cabin with weighbridge (unit rate)	1			
Total					X

Table B: Prices for Software (Capital item):

Sr. No.	Item	Unit (A)	Quantities (B)	Base Rate (Rs/ Unit) (C)	Applicable Taxes/GST (D)	Total Quote in INR [E = B X (C+D)]
1.	Design, Development, Integration and Customisation of the Mine Digitalization Solution	No.	1			
2.	Service Level Monitoring and Maintenance System	No.	1			
	Total Fees (INR)					Y

Second Bulleted point (b) in Notes section of Annexure -9 of RFP stands amended as below.

“It is to be noted that total Service price for the Table A and Table B of the above table shall not exceed the **60%** of the total price quoted for Tables A+B+C together of the above tables. In case the Bidder’s total Price for the Table A and Table B is exceeding the **60% of** the total price quoted for Tables A+B+C together then the Authority/ GMDC shall have right to rebalance it and the Bidder shall have to abide by this provision”.

Serial no. 2 of Table F: Total Service Fees stand amended as: Table B: Prices for **Software** (Capital item)

ANNEXURE 4: BID SUBMISSION TIMELINE EXTENSION

The Schedule of Bidding comprising of bid submission events specified in published RFP document Section 7 Clause 1.6 stands amended as below.

#	Event Description	Clause as per RFP	Amended Clause
5	Online Submission of Price Bid	<p>The Price Bid is to be submitted online only at designated place on https://tender.nprocure.com 10/12/2024 up-to 18:00 hrs. and (i) any submission of offline price bid (i.e., physical submission) or (ii) submission of price bid along with technical bid will lead to disqualification.</p> <p>A copy of instruments or information pertaining to it may be required to be submitted online at the time of submission of Price bid.</p> <p>Technical Bid is not to be submitted online, but should be submitted in physical offline mode after the submission of the Price Bid at the designated address by the deadline mentioned.</p>	<p>The Price Bid is to be submitted online only at designated place on https://tender.nprocure.com 24/12/2024 up-to 15:00 hrs. and (i) any submission of offline price bid (i.e., physical submission) or (ii) submission of price bid along with technical bid will lead to disqualification.</p> <p>A copy of instruments or information pertaining to it may be required to be submitted online at the time of submission of Price bid.</p> <p>Technical Bid is not to be submitted online, but should be submitted in physical offline mode after the submission of the Price Bid at the designated address by the deadline mentioned.</p>
6	Last Date and Time of Submission of Technical Bid, RFP Fees & EMD in Hard Copy	<p>The Technical Bid is to be submitted offline, strictly before the due date for online submission of price bid but on or before 10/12/2024 up to 18:00 Hrs. at GMDC office situated at Khanij Bhavan, 132-ft. Ring Road, Gujarat University Ground, Vastrapur, Ahmedabad- 380052, by Speed Post/RPAD/Hand delivery/Courier in sealed cover duly super scribed as mentioned in the RFP.</p>	<p>The Technical Bid is to be submitted offline, on or before 24/12/2024 up to 15:00 Hrs. at GMDC office situated at Khanij Bhavan, 132-ft. Ring Road, Gujarat University Ground, Vastrapur, Ahmedabad- 380052, by Speed Post/RPAD/Hand delivery/Courier in sealed cover duly super scribed as mentioned in the RFP.</p>
7	Opening of Technical Bid	On 11/12/2024 AT 12:00 Hrs. at GMDC office	On 24/12/2024 AT 16:00 Hrs. at GMDC office