

Proceedings of Pre-Bidding Meeting held on 15/09/2025
Service/Repair; Replacement of Non Working Components and Shifting of MBIU on New Truck Pre Bid Queries and Replies

1. The Following officials/ Vendors were present during the pre-bidding meeting held on 15/09/2025

S.No.	Name	Designation/Affiliation
1.	Dr. Kayitha Ravinder	Chief Scientist (Chairman)
2.	Dr. Pradeep Kumar	Chief Scientist (Member)
3.	Dr.Pardeep Kumar	Sr. Technical Officer (Member)
4.	Dr Ashwani Kumar Kushwaha	Chief Scientist, CSIR-CMERI, Ludhiana; Domain Expert, Attended Online
5.	Dr Rajeev Kumar Garg	Professor Emeritus; Department of Civil Engineering, Delhi Technological University, Delhi; Domain Expert, Attended Online
6.	Shri Nitesh Kumar Goyal	Sr. Pr. Scientist & Indentor
7.	Dr.Naveet Kuar	Pr. Scientist
8.	Sh.Rajashekar	M/s Coact Solutions Pvt Ltd
9.	Sh. Rakesh Chopra	M/s Telecon Systems Ltd
10.	Sh. Avtar Singh	M/s Process and System Automation
11.	Sh. Obiad Alam	M/s Roytech Solutions

2. Chairman, welcomed all the participants in the meeting and explained the importance of the pre-bid meeting
3. Sh.Nitesh Kumar Goyal, Sr. Pr. Scientist & Indentor, had given the over view of the scope of work and explained about Service/Repair; Replacement of Non Working Components and Shifting of MBIU on New Truck
4. Three vendors were asked about the quarries regarding the Specifications, the same is enclosed here along with the necessary explanation.

1. Coact Solutions Pvt Ltd

SN	Description	Query	CRRI Reply
1	MBIU should have two additional axles below the Control Panel which needs to be installed with the new Truck at the time of Shifting/ Commissioning which is providing additional stability during use/inspection	The vehicle mentioned shall match with the specifications of Signa 4830 T with axle configuration of 6X4,18 Tyres can you please elaborate on the additional axles required for erection of the existing unit	• Truck Configuration Description ○ Base Vehicle: Standard 6×4 truck (10 tyres). ○ Additional Axles: Two extra axles mounted on the chassis (8 tyres)

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Dr. Pradeep

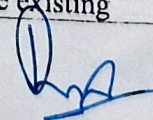
Dr. Ashwani

			○ Suspension: Rigid/solid (no suspension system). ● Operating Modes: ○ Transportation Mode: Additional axles remain lifted (off the ground) to avoid unnecessary drag and tyre wear. The truck moves as a normal 6×4 with 10 tyres. ○ Inspection Mode: Additional axles are deployed (lowered) to the ground, increasing tyre contact and distributing the load as required for inspection tasks.
2	Replacement of Programable Logic Unit (PLC) of the existing MBIU Frame	Can CRRRI provide the specifications of the PLC unit/ Electrical Diagrams	The bidders are advised to inspect the existing Truck mounted MBIU in this regard. Further, it is once again clarified that all replaced parts, components, or items shall meet or better than the existing specifications and requirements.
3	Replacement of manual control panels and remote control system of the existing MBIU	CAN CRRRI provide the Electrical diagrams for procurement of the same and to know the specifications	The bidders are advised to inspect the existing Truck mounted MBIU in this regard. Further, it is once again clarified that all replaced parts, components, or items shall meet or better than the existing specifications and requirements.
4	To provide additional Switched Mode Power Supply (SMPS)	Electrical Diagrams and specifications of the earlier installed SMPS	The bidders are advised to inspect the existing Truck mounted MBIU in this regard. Further, it is once again clarified that all replaced parts, components, or items shall meet or better than the existing

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			specifications and requirements.
5	To Provide additional Proximity Switch Sensors – 10 Numbers	Specific additional locations required for installation of the Proximity sensors	A total of 10 additional proximity sensors are required as spares for replacement at remote inspection locations, in the event of sensor malfunction.
6	Replacement/Repair of other miscellaneous unforeseen items	Unforeseen items can u elaborate the same, CRRI to confirm if that includes any electrical or mechanical parts.	Bidders are advised to inspect the existing Truck mounted MBIU frame prior to submission of bid due date and inform if any regarding details of additional non-working/damaged parts/components/items which are also required to be repaired/replaced including their tentative cost. The same are also required to be repair/replace by the successful bidder at his cost. The scope of work is mentioned above, however, over and above as detailed in scope of work, if any item/part will not work, the same also needs to be replaced by the preferred bidder. Further, it is clarified that after submission of the bids, no financial variation/ change of scope will be considered in general, for repair/replacement of additional non-working/damaged parts/components/items during the execution of the work. After repair/refurbishment and replacement, the machine should work/ function upto full satisfaction of CSIR-CRRI.

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7	The compatibility/suitability of the new truck with the MBIU assembly has to be ensured by the successful bidder in consultation with CRRI team and before purchase of new truck as per the given specifications	CRRI to confirm if they were any particular regarding the brand of the vehicle	The new truck should meet the specifications and requirements as mentioned in the tender. Further, the truck should be branded with reasonable warranties.
8	Warranty Period for New Truck- Standard Warranty as per the manufacturer of truck or 12 Months whichever is higher	If any additional axles to be provided then the warranty shall be void by the Vehicle OEM.	In the event that the warranty is voided by the OEM, the selected bidder shall be fully responsible for fulfilling all warranty obligations
9	Payment Terms	CRRI to elaborate on the payment terms on the executed works	Please see below*
10	Spare parts, PLC, SMPS, remote control systems/ Manual Control panels	any specific brand to be utilized for replacement or shall be proceed further by the local procurement	All replaced parts, components, or items shall meet or better than the existing specifications and requirements.

* Payment Terms will be as under:

- Maximum upto 30% of the amount mentioned in PO against the submission of equivalent amount of Bank Guarantee valid till supply, installation, testing, commissioning and successful demonstration of MBIU at Delhi.
- 60% payment upon successful Service/Repair; Replacement of Non Working Components, Shifting of MBIU on new truck, delivery, Installation and Demonstration of MBIU on new truck at CSIR-CRRI New Delhi Premise.
- 10% payment upon satisfactory demonstration of field trials/ commissioning at the actual 03-bridges/flyovers sites near around NCR, New Delhi.

2. M/s ROAY Tech Solutions

SN	Request clarification and propose the following amendments by M/s ROAY Tech Solutions	CRRI Reply
1	Joint Venture Submission: The scope of work for this project is highly specialized, encompassing a combination of Mechanical, Hydraulic and Pneumatics and Instrumentation. To ensure the highest quality of service and expertise in each area, we believe that a Joint Venture would be the most effective approach. We kindly request that you allow for the submission of a bid by a Joint Venture.	May be replied by Purchase Section.
2	Payment Terms: The payment terms as currently	Payment terms mentioned

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	stated are not clear. We respectfully request that you provide a detailed and unambiguous payment schedule, including specific milestones and terms.	above.
3	Delivery Period: The stipulated delivery period of 2.5 months is exceptionally short. This timeline does not adequately account for critical processes, including the procurement of a new vehicle, the dismantling of the MBIU frame from the old vehicle, and its subsequent re-installation, repair and replacement of components. To ensure a high-quality and defect-free execution of the project, we request that the delivery period be extended to 4 months.	Ok. Delivery period is 04 months.
4	Bill of Quantities (BOQ): The Bill of Quantities (BOQ) is not included in the tender documents. We kindly request that you provide a comprehensive BOQ to enable us to prepare an accurate and detailed financial proposal.	The scope of work mentioned in the bid specifies the requirements of replacement as well as repair of the parts/ components etc.
5	Vehicle Supply as Eligibility Criteria: The scope of work appears to combine the supply of a new truck with the repair and replacement of MBIU frame components. As the supply of a vehicle is a standard and common practice, we respectfully propose that it not be considered as an eligibility criterion for this tender. Removing this pre-qualification requirement would allow for a wider pool of qualified bidders, ensuring a more competitive and fair bidding process.	Please refer revised Eligibility criteria.

3. M/s TELECON SYSTEMS LIMITED

SN	Suggestions by M/s TELECON SYSTEMS LIMITED	CRRJ Reply
1	Please allow submission of bids from consortium : Since the scope of responsibility requires co ordination from different disciplines - mechanical, automation, electronic and instrumentation, inclusion of bids from consortium will allow experts from multiple disciplines to join hands and provide a more reliable and higher quality solution. The lead bidder will be responsible for completing the job. As far as CRRJ is concerned, the lead bidder will be contact point and will take full responsibility while all other members of the consortium will be jointly and severely responsible for completing the job.	May be replied by Purchase Section.
2	Delivery Period: You have specified 2.5 months as the completion period. We feel that this is too less. Procurement of truck, dismantling the existing mechanical structure, modification and installation of the same will take more than 4 months. We request	Delivery period is 04 Months.

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	you to extend the delivery period/ project completion time to at least 5 months.	
3	Payment Terms: You have not specified any payment terms. We request you to release at least 90% with full applicable taxes upon delivery and balance 10% after the complete job is handed over.	Payment terms mentioned above.
4	CRRI should clearly identify the components to be replaced and also the components to be repaired. If this choice is left to individual bidder, comparison of quality and prices will be unfair.	The scope of work mentioned in the bid specifies the requirements of replacement as well as repair of the parts/ components etc. Further, Bidders are also advised to inspect the existing Truck mounted MBIU frame prior to submission of bid due date and inform if any regarding details of additional non-working/damaged parts/ components/items which are also required to be repaired/replaced including their tentative cost. The same are also required to be repair/replace by the successful bidder at his cost. The scope of work is mentioned above, however, over and above as detailed in scope of work, if any item/part will not work, the same also needs to be replaced by the preferred bidder. Further, it is clarified that after submission of the bids, no financial variation/ change of scope will be considered in general, for repair/replacement of additional non-working/damaged parts/ components/items parts during the execution of the work. After repair/refurbishment and replacement, the machine should work/ function upto full satisfaction of CSIR-CRRI.

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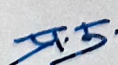
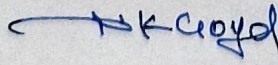
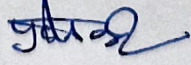
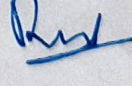
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Revised Brief Scope of Work & Specifications

- i. Purchase of New Truck with Emission norms standards for truck as BS VI with Minimum [6800mm wheelbase, 6.7L engine with AC 32 FT LX RDE, Engine Capacity-6702 CC, power 300 HP@2300RPM, Torque 1100NM @110-1700 RPM, Deck Length 32 Feet, Fuel Tank capacity-365 L HDPE, Deck Length-32Ft, Ground clearance 250MM, Axle Configuration-6x4, 18-Tyres with AC Cabin]. Both axles at rear of new truck should have power to drive.
- ii. Factory fitted two Axles should have air suspension and additional Two axles should have rigid.
- iii. Body fitness certificate cost, Registration Cost, Transportation Cost, Insurance Cost etc and also include any other additional/ unforeseen cost of the new truck as well the MBIU Unit.
- iv. Dismantling of MBIU Frame from the existing Truck and unloading it to a safe place.
- v. Shifting and Erection of MBIU Frame on the new Truck with Fastener, U-clamps, connecting plates and any other means, if necessary.
- vi. Replacement of damaged Mechanical Truss (steel channels) on the Platform of the existing MBIU Frame.
- vii. Replacement of Pneumatic Air suspensions of the existing MBIU Frame.
- viii. MBIU should have two additional axles below the Control Panel which needs to be installed with the new Truck at the time of Shifting/ Commissioning which is providing additional stability during use/inspection.
- ix. Replacement of Programable Logic Unit (PLC) of the existing MBIU Frame
- x. Replacement of manual control panels and remote control system of the existing MBIU
- xi. Replacement of damaged Generator Spare parts of the existing MBIU Frame
- xii. Replacement of all platform bearings
- xiii. Replacement of all electric circuits/ wirings and Connections
- xiv. Replacement of drive wheel motor
- xv. Replacement of platform rotor motor and its gear box housing
- xvi. Refurbishment of main motor and gear box
- xvii. Refurbishment of vertical platform motor
- xviii. To provide additional Switched Mode Power Supply (SMPS) – 2 Numbers
- xix. To Provide additional Proximity Switch Sensors – 10 Numbers
- xx. Replacement/Repair of other miscellaneous unforeseen items
- xxi. Pre shifting Inspection of New Truck Chassis.
- xxii. Basic Servicing of Genset which includes oil change and greasing.
- xxiii. Inspection of the Pulley System and its repair/replacement, if required
- xxiv. Painting of entire MBIU Frame and other exposed old portion
- xxv. Provision of Air suspension for the rear axles
- xxvi. Testing of system in Factory with Load
- xxvii. Testing of system in Factory without Load
- xxviii. Testing of system on Bridge
- xxix. Providing and Installation of DGMS Standard IP68 Camera
- xxx. Providing and Installation of DGMS Standard AV Reverse Alarm
- xxxi. Providing and Installation of Driver Fatigue Monitoring System
- xxxii. Safety check of breaking & suspension System
- xxxiii. Shifting of existing Truck Mounted MBIU Frame from CRR I Delhi to Workshop of the

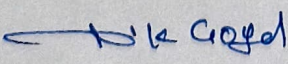
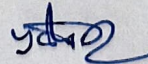
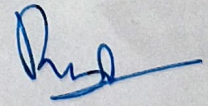
Bidder and Return of Existing Truck to CRRI New Delhi Campus. Failure or damage to any parts, components, or items during shifting shall be the sole responsibility of the preferred bidder.

- xxxiv. Handover & commissioning of MBIU frame after fitting it on new truck to CRRI at its New Delhi office campus.
- xxxv. All replaced parts, components, or items shall meet or better than the existing specifications and requirements.
- xxxvi. The unit should have 02 numbers extra tyres.

Further, Bidders are also advised to inspect the existing Truck mounted MBIU frame prior to submission of bid due date and inform if any regarding details of additional non-working/damaged parts/ components/items which are also required to be repaired/replaced including their tentative cost. The same are also required to be repair/replace by the successful bidder at his cost. The scope of work is mentioned above, however, over and above as detailed in scope of work, if any item/part will not work, the same also needs to be replaced by the preferred bidder. Further, it is clarified that after submission of the bids, no financial variation/ change of scope will be considered in general, for repair/replacement of additional non-working/damaged parts/ components/items parts during the execution of the work. After repair/refurbishment and replacement, the machine should work/ function upto full satisfaction of CSIR-CRRI.

Additional Requirements

- The compatibility/suitability of the new truck with the MBIU assembly has to be ensured by the successful bidder in consultation with CRRI team and before purchase of new truck as per the given specifications.
- The progress of shifting of assembly of the MBIU will be reviewed by the committee, comprising of CRRI staff after 1 months of issuance of purchase order at the premise of the selected Bidder.
- The working of the assembled whole system shall be demonstrated to CSIR-CRRI team at the nearest available bridge/flyover at place of the selected Bidder to check pre dispatch inspection.
- The bidders have to mention the price amount and the AMC for 03 year amount separately also in the financial bid. The financial evaluation will be carried out for the total amount quoted by the bidders i.e. price amount + 03 year AMC amount.
- The successful bidder has to provide White Registration Number plate of the Truck Mounted MBIU. For this, the special permission for registration of vehicle in Delhi is required from MoRTH which is to be sought by the successful bidder. However, CRRI will assist the successful bidder for obtaining the same. CRRI will prefer the vehicle with registration in Delhi. The same may be pursued with Ministry of Road Transport & Highways along with facilitation by CRRI as the vehicle is required to carry our research activities. Regarding Delhi registration of the Truck Mounted MBIU, the vendor may check norms from RTO office with respect to fuel requirements and accordingly plan the purchase of truck.
- Warranty Period for New Truck- Standard Warranty as per the manufacturer of truck/ In the event that the warranty is voided by the OEM, the selected bidder shall be fully responsible for fulfilling all warranty obligations/ 12 Months whichever is higher
- Warranty Period for replaced parts/components/motors/panels etc – 12 Months
- Delivery period – 4.0 Months

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Revised Eligibility Criteria

- Vendor/Supplier/ manufacturer should not be debarred/ blacklisted by any government organization for any product. If the same is detected at any stage the contract will be terminated.
- The Vendor must have done one similar work (excluding purchase of new truck) to the quoted item to at least one user and should provide documentary evidence in terms of Work order and Performance Certificate for the same **OR**
- The Vendor must have experience about Heavy Mechanical / Hydraulic machinery shifting along with PLC Programming, Installation and commissioning done or similar work to at least one user and should provide documentary evidence in form of Work order and Performance Certificate for the same.

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