

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 022-2402 0309 (Extn - 309)

Fax: 24024068 / 24023515

Website: www.mpcb.gov.in

E-mail: robmw@mpcb.gov.in



Kalpataru Point, 3rd Floor
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai-400 022.

Corrigendum 1

Date:09/08/2024

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
1	Annexure G: Power of Attorney, Page- 86	The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.	Our Board of Directors who are senior Government officials of Delhi Government, which is takes considerable time in adhering to various procedures and formalities. Hence, it is requested to allow to use the company rubber stamp affixed instead of common seal. As per our understanding, the Common Seal of the company to execute the Power of Attorney is not necessary. We execute many Agreements for authorized signatory without common seal and which are fully accepted in legal matters. Request you to allow a company rubber stamp rather than a Common seal.	<p>The revised 'Annexure G: Power of Attorney' on page no. 86 to be read as:</p> <p>Annexure G: Power of Attorney</p> <p>Know by all men by these presents, We _____(Name of the Bidder and address of their registered office) do hereby constitute, appoint and authorize Mr. / Ms _____(name and residential address of Power of attorney holder) who is presently employed with us and holding the position of _____ as our Attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Proposal for the “Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB”, including signing and submission of all documents and providing information / responses to the MPCB, representing us in all matters before MPCB, and generally dealing with the MPCB in all matters in connection with our Proposal for the said Project.</p> <p>We hereby agree to ratify all acts, deeds and</p>

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

				<p>things lawfully done by our said Attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid Attorney shall and shall always be deemed to have been done by us.</p> <p>For</p> <p>Name:</p> <p>Designation:</p> <p>Date:</p> <p>Time:</p> <p>Seal:</p> <p>Business Address:</p> <p>Accepted,</p> <p>_____ (Signature)</p> <p>(Name, Title and Address of the Attorney)</p> <p>Note:</p> <ul style="list-style-type: none">• The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal / stamp affixed in accordance with the required procedure.• The Power of Attorney shall be
--	--	--	--	--

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

				<p>provided on Rs.100/- stamp paper.</p> <ul style="list-style-type: none"> The Power of Attorney should be supported by a duly authorized resolution of the Board of Directors of the Bidder authorizing the person who is issuing this power of attorney on behalf of the Bidder.
2	Tender Schedule, Page- 11	Earnest Money Deposit: - Rs. 20,00,000/- (Rupees Twenty Lakhs Only) through Online Payment via net banking mode.	Kindly revoke the submission of EMD for tender. Bid Security/ EMD may be exempted/reduced for the MSME. We request a waiver of the EMD. Request you to kindly waive off the EMD for MSME's. GOI has issued a guideline on the matter and many government agencies have waived EMD in there RFPs. Request you to consider the same.	No Change.
3	2.4 Consortium, Page-18	Consortium is not Allowed within the scope of this RFP.	Request you to please allow consortium for better participation	No Change.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
4	2.5 Sub-Contracting Conditions, Page-18	The Bidder can sub-contract project activities for GIS data update, Cloud hosting services. However, it is clarified that the Bidder shall be the principal employer for all claims arising from the liabilities statutory or otherwise, concerning the sub-contractors. The Implementation Agency undertakes to indemnify the Nodal Agency or its nominated agencies from any claims on the grounds stated hereinabove.	Request you to please allow sub-contracting for video wall, Networking and support staff for onsite deployment	The revised clause to be read as: “The Bidder can sub-contract project activities for GIS data update, Cloud hosting services and video wall implementation. However, it is clarified that the Bidder shall be the principal employer for all claims arising from the liabilities statutory or otherwise, concerning the sub-contractors. The Implementation Agency undertakes to indemnify the Nodal Agency or its nominated agencies from any claims on the grounds stated hereinabove”.
5	3. Scope of Work, Page-38	Integration of the AVLS with systems established by MPCB	Would request you to kindly provide the list of legacy applications along with the technology stack to understand the integration requirements.	Legacy applications: Modules of Integrated MIS (IMIS) system and Consent Management system. The technology stack is: <ul style="list-style-type: none"> • PHP • My SQL
	3. Scope of Work, Page-38	Integration of the AVLS with external AVLS systems specified by MPCB	We understand that SI only needs to integrate/ receive GPS data from vehicle tracking systems/devices installed in MPCB vehicles.	It is system level integration only wherein processed data from other systems needs to be integrated with the proposed system.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

	3. Scope of Work, Page-38	Mapping of all the locations of the industries, collection centres, facilities, Testing Labs in GIS and create Geofence for each location.	Would request you to specify the number of locations, for which geo fence is required to be created on the maps. Please confirm, whether the survey for capturing geo fence is required to be done by the SI or MPCB will provide the Lat-Long of these identified locations.	Approx. 11000 industry locations.
--	---------------------------	--	---	-----------------------------------

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
6	3. Scope of Work, Page- 37	Training and Holding	Request you to please specify the number of users to be trained. We understand the training will be conducted at central location and all arrangements for training like training room, IT infra and refreshment will be arranged by MPCB. The SI needs to provide training to identified users only. Please specify whether hard copy of training material needs to be provided.	<ul style="list-style-type: none"> • No. of users to be trained – approx. 20 • Training to be imparted by SI at the MPCB decided location(s). No refreshments will be arranged by MPCB • SI has to provide hard and soft copy training material
7	3.2 Central Control Centre/Command & Control System, Page 39	Central Control Centre must have provision and capability for enabling two-way voice communication with Command Centre and the vehicle Crew. However, no additional hardware device shall be used for same.	To enable 2-way communication, there would be requirement for additional hardware. Request you to please update SoW along with the hardware specifications for the same.	No Change.
8	2.12 Earnest Money Deposit (EMD) Page No. 19	Bidders shall submit, EMD of Rs. 20,00,000 /- (Rupees Twenty Lakhs only) through Online e-Tendering Payment Gateway mode only.	We request you to ask EMD of 20,00,000 in the form of Bank guarantee, As the amount is huge.	No Change.
9	2.33 Security Deposit Page No. 33	The successful bidder needs to deposit/submit a security deposit equal to 10% of bid value as Bank Guarantee only. The security deposit shall be valid for a period of 6 years. It should be submitted within 15 days from the receipt of the letter towards award of the contract for due and proper fulfilment of bid document conditions.	We request you to ask security deposit of 3% as per the govt GR norms	The revised clause to be read as: “1. The successful bidder needs to deposit/submit a security deposit equal to 5% of bid value as Bank Guarantee only. The security deposit shall be valid for a period of 6 years. It should be submitted within 15 days from the receipt of the letter towards award of the contract for due and proper fulfilment of bid document conditions.”

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
10	2.25 Prequalification criteria PQ-4 Page No. 25 - 26	<p>The Bidder must have experience in “similar works” during last five (05) years as on last date of submission of bid as per following details: -</p> <p>One (01) project with “Similar works” costing at least Rs. 8.0 Cr.</p> <p>OR</p> <p>Two (02) projects with “Similar works” each costing at least Rs. 6.0 Cr.</p> <p>OR</p> <p>Three (03) projects with “Similar works” each costing at least Rs. 4.0 Cr.</p> <p>“Similar works”: The projects should be AVLS solution implemented and shall have following components:</p> <ol style="list-style-type: none"> 1. Automatic Vehicle Locating System 2. Central Command Center for AVLS 3. Vehicle Tracking Mobile Application on Android/iOS for any Central/State Govt. or Sate Govt. Undertaking/ PSU/ULBs/Corporation in India 	<p>Request you to consider "smart city project experience" in "similar works" because such project experience are mainly use in solid waste management components of smart city for vehicle tracking propose along with the ICCC integration. Such experience component will help you to get experience bidder for this project.</p> <p>Request to consider below changes in bold letter “Similar works”:</p> <p>The projects should be AVLS solution implemented and shall have following components:</p> <ol style="list-style-type: none"> 1. Automatic Vehicle Locating System 2. Central Command Center for AVLS 3. Vehicle Tracking Mobile Application on Android/iOS <p>(OR)</p> <p>Smart City Project integrated with ICCC for following component:</p> <p>Soild waste Management / AVLS for any Central / State Govt. or Sate Govt. Undertaking / PSU / ULBs / Corporation in India</p>	No Change.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
11	2.25 Prequalification criteria PQ - 4 Page No. 25 - 26	b) Completion Certificate from the client. OR In case of on-going project, a Go-Live Certificate along with partial completion certificate from the client on client's letter head mentioning the relevant scope of Work, having received the payment matching the 'Minimum Project Value' of the partially completed project.	Request you to only ask for ongoing / partial completion certificate.	No Change.
12	3.14.1 Payment Terms for VTS Page No. 60-61	Payment terms Sr. No 03, 04, 05 90% against successful installation acceptance and remaining 10% after 3 months of successful installation acceptance. Along with the bill, Successful bidder has to submit documents of deliverables and its installation acceptance by the MPCB.	We would Like to request you to provide relaxation on Sr. No 03 to 05 payment terms for bidder to work smoothly on this project. please consider below suggestion: 80% against delivery 10% against Installation and acceptance 10% against after 3 months of successful installation acceptance.	No Change.
13	Page No 38 3.1.1 Vehicle Tracking System Scope of Work	Integration of vehicles and monitoring the information through single Central Control Centre (CCC).	Confirm if Bidder have to supply a separate Command & Control Centre Application.	As per scope of work.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
14	Page No 41 3.2.1 Automatic Vehicle Locating System	Licensed map from Google or equivalent with periodic map update. Map must include, but not limited to, complete map of Maharashtra and neighboring states	Confirm the frequency of update. i.e., Monthly/Quarterly/ Half Yearly or Yearly.	The revised clause should be read as: "Licensed map from Google or equivalent with periodic map update. Map must include complete map of Maharashtra" The licensed map should be recently updated and expected update should be minimum half yearly basis.
15	Page No 43 3.2.5 Video Wall and Operator Terminal	Other network /LAN components as required to integrate and connect the complete video wall and operator terminals Successful bidder should ensure Command and Control center area has rodent repellent provision, fire proofing provisions, and smoke detection system	1. Confirm Area for Rodent System & Fire Alarm System. 2. Confirm Technical specification of Network components to be supplied for the solution or Bidder can consider any Specifications. 3. Confirm any specifications for Rodent Repellent and Fire Alarm System.	Bidder must propose suitable solution by the approx. room size of 20 ft. x 20 ft. All the networking components should be latest to comply with the requirement.
16	Page No -49 3.4.1 Implementation Schedule & Project Timelines	The Successful bidder has to supply the high-resolution GIS map service for Maharashtra and adjoining states having all the base map layers (vector and raster) (All types of roads, railways and stations, water bodies and River/Nala network) and Landmarks / point of interests.	1. Confirm the exact resolution for HD Image to be supplied. 2. Confirm Border area dimension of adjoining states to be covered in Map. 3. Confirm if Survey to be done for industries or all industries/ location details shall be MPCB.	<ul style="list-style-type: none"> There is no scope to supply HD images within the scope of this RFP but only map service including image layer. The resolution of the image should be considered as 50 CM. Scope of map for border area states is removed from this RFP. Location details shall be shared with selected agency who has to define the process to capture the location in GIS layer. (Get is from IT)
17	Additional Queries	Additional Queries	Kindly confirm the existing make and model for integration	Integration to be achieved through API which is scope of this RFP.
18	2.4 Consortium of page no. 18	Consortium is not Allowed within the scope of this RFP.	Considering the scope of work, the consortium should be allowed.	No Change.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
19	Page 17 (1)	Limited Oversight: The lack of a centralized monitoring system makes it difficult for the MPCB to track the movement of hazardous waste vehicles in real-time. This limits the board's ability to detect and respond to unauthorized activities or deviations from approved transportation routes.	Sir, we would like to know the details about unauthorized activities. Is it speed violation, route deviation or unauthorized stoppage as applicable for AVLS system? 2. Need more details of total routes. (Ex.- Pick Up to Drop, start & end location with distance)	<ul style="list-style-type: none"> It is system specific requirement. Bidders to propose solution as per scope of work. Routes to be defined in the system by the selected bidder.
20	Page 17 (2)	Current Challenges Compliance Monitoring: Ensuring compliance with regulatory requirements, such as proper packaging, labelling, and documentation of hazardous waste during transportation, is challenging without adequate monitoring mechanisms in place. This increases the risk of non-compliance and environmental violations.	These two requirements expect compliance monitoring for - packaging, labelling, and documentation of hazardous waste during transportation - monitoring the condition of hazardous waste containers, ensuring proper handling procedures, ARYAOMNITALK: AVLS has no input for these parameters & hence it will not be possible for AVLS to meet this requirement. However, MPCB can suggest suitable method to capture data related to these parameters. The requirement related to verifying adherence to approved transportation routes is possible through AVLS	The required information / parameters will be available through integration of external / internal systems.
21	Page 17 (2.2)	Need for Vehicle tracking system 1. Enhanced Regulatory Compliance: By incorporating real-time monitoring and reporting features, the tracking system enables the MPCB to verify compliance with regulatory requirements throughout the		The objectives have to be achieved through integration.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

		transportation process. This includes monitoring the condition of hazardous waste containers, ensuring proper handling procedures, and verifying adherence to approved transportation routes.		
--	--	---	--	--

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
22	Page 18 (2.3)	Ensure seamless integration with existing information systems of MPCB and external VTMS / AVLS systems to facilitate data sharing and collaboration among stakeholders involved in hazardous waste management.	Here we assume that the external VTMS / AVLS systems will be integrated to new AVLS through API only. The VTS devices will not send data to our AVLS solution, hence confirm integration through API	Confirmed.
23	Page 21 (2.16)	All plans, specifications, reports, customized software, other documents, patent, and data generated shall be absolute property of MPCB. The Successful bidder shall not use, share this information, any other data derived from this application, customized software etc. anywhere, without taking permission, in writing, from the MPCB and the MPCB reserves right to grant or deny any such request. Software application will not be allowed to be misused by quoting same software at other places.	1. Please consider company patent /products as property of supplier and hence the word 'patent' should be deleted from this sentence. 2. Also, in the last line it should be mentioned as "Only Customized Software application report formats /data will not be allowed to be misused by quoting same software reports at other places." Here mentioning Software application indicates complete software solution provided to MPCB, hence the above change is requested.	No Change.
24	Page 36 (3)	Currently, waste generating and receiving industries, receiving facilities and hazardous waste transporters operate around 2100 vehicles across the State.	As a bidder we need- 1. Detailed bifurcation of 2100 vehicles, location wise with existing AVLS /VTS supplier	Will be shared with the selected bidder.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

25	Page 36 (3)	Core objectives of the project are: -Integration of the proposed system with MPCB Systems viz. Integrated MIS	Sir, here also we need to know the details of proposed system and integration methodology.	Integration must be achieved through API only as mentioned in the RFP.
----	-------------	---	--	--

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
26	Page 38 (3.1.2)	Supply of vehicle tracking system devices is out of the scope of this RFP. However, the data received from external vehicle tracking systems through integration shall be from those devices which will be compliant with AIS 140 standards.	It should be noted that, this system will be wholly dependent on data received from external AVLS /VTS systems and bidder for this project will not responsible for incorrect or insufficient data received Or incorrect reports generated due to this. Also, the responsibility of maintaining AIS 140 devices will lie completely with existing vendors. We request you to confirm the same. -Please share the list of your existing AIS 140 device suppliers.	Details will be shared with successful bidder.
27	Page 38 (3.2)	The Central Control Centre (CCC) related space provisioning will be done by MPCB. The required non-IT components like, electricity, seating space (furniture) etc. will be provided by MPCB.	Please confirm the location of CCC to estimate our costs	Central Laboratory, Navi Mumbai.
28	Page 38 (3.2)	Central Control Centre must have provision and capability for enabling two-way voice communication with Command Centre and the vehicle Crew. However, no additional hardware device shall be used for same.	Here, we assume that the mobiles of Vehicle drivers will be used for making voice call. Please confirm.	Confirmed.
29	Consortium Clause 2.4 Consortium	Consortium is not Allowed within the scope of this RFP.	Kindly allow Consortium up to 3 members.	No Change.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
30	Prequalification Criteria: Clause 2.25 Project Experience 1	<p>The Bidder must have experience in “similar works” during last five (05) years as on last date of submission of bid as per following details: -</p> <p>One (01) project with “Similar works” costing at least Rs. 8.0 Cr.</p> <p>OR</p> <p>Two (02) projects with “Similar works” each costing at least Rs. 6.0 Cr.</p> <p>OR</p> <p>Three (03) projects with “Similar works” each costing at least Rs. 4.0 Cr.</p> <p>“Similar works”: The projects should be AVLS solution implemented and shall have following components:</p> <ol style="list-style-type: none"> 1. Automatic Vehicle Locating System 2. Central Command Center for AVLS 3. Vehicle Tracking Mobile Application on Android/ iOS for any Central/ State Govt. or Sate Govt. Undertaking/ PSU/ULBs/Corporation in India 	<p>It is requested to consider the experience of “Vehicle detection, Counting and Classification” under “Similar Works” section of this clause. This will help creating a healthy competition and quality work execution for Maharashtra Pollution Control Board.</p>	No Change.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

31	Clause 2.12 Earnest Money Deposit (EMD)	1. Bidders shall submit, EMD of Rs. 20,00,000/- (Rupees Twenty Lakhs only) through Online e-Tendering Payment Gateway mode only.	It is requested to accept EMD in the form of Bank Guarantee.	No Change.
32	Page 18 of RFP Clause No 2.4	Consortium. Consortium is not Allowed within the scope of this RFP.	Please allow Consortium.	No Change.

Appointment of an Agency for Implementation of Vehicle Tracking System integrated with Command-and-Control System at MPCB

Sl. No.	Page No. and Clause Reference	RFP Condition	Our Query and Request for Amendment	Clarification/Amendment by MPCB
33			<p>We are keen on participating in the aforementioned tender for the supply of vehicle tracking devices. As a start-up manufacturer specializing in vehicle tracking systems, we are committed to delivering high-quality solutions and are in compliance with all stipulated tender terms.</p> <p>In reference to the bid mentioned above, we are writing this letter after thoroughly reviewing all the terms and conditions, assuring compliance with each requirement stated in this tender. However, we wish to draw attention to the Turnover criteria, which may pose limitations for participation, particularly for startups like ours. We kindly request your consideration in relaxing the experience criteria to encourage greater participation from startup vendors, fostering a more competitive bidding process.</p> <p>We would like to emphasize the relevance of the office memorandum issued by the Ministry of Finance, Department of Expenditure vide no. F.20/2/2014-PPD(Pt.) dated 20.09.2016. This memorandum highlights the possibility for government departments to relax conditions related to prior turnover and experience in public procurement for startup enterprises. (Order Enclosed for the reference) As a startup, we earnestly seek the relaxation of the experience requirement, enabling us and other similar ventures to actively engage in the tender process. Such flexibility not only promotes inclusivity but also fosters a more robust and dynamic competitive environment.</p>	No Change.