

## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

#### MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 3<sup>rd</sup> & 4<sup>th</sup> Floor

Opp. Cine Planet Cinema,

Near Sion Circle, Sion (E)

Mumbai- 400 022.

## Corrigendum 2

Date: 31/10/2024

### Minutes of Pre-Bid Meeting of “RFP for Supply, Commissioning and Maintenance of Real-Time Water Quality Monitoring Stations (RTWQMS) in Maharashtra”

#### 1. Brief about the meeting

Date: 17/10/2024, Day: Thursday, Time: 15:30 PM – 16:00 PM

Place: MPCB Office and online meeting over MS Teams platform

#### 2. Agenda

Table 1: Pre-Bid Meeting attendees

The following attendees were present for the Pre-Bid Meeting:

S. No.	Name	Designation and Organization	In-person / Online
1	Shri. Shankar Waghmare	JD (Water), MPCB	In-person
2	Dr. V. M. Motghare	JD (Air), MPCB	Online
3	Dr. V. R. Thakur	PSO, MPCB	In-person
4	Shri. Ajit V. Patil	Convenor, SRO, MPCB	In-person
5	Shri. Avinash Kadale	FO, MPCB	In-person
6	Shri. O. P. Moondra	Director, Swan Environmental Pvt. Ltd.	In-person
7	Ms. Sonal Mahyavanshi	PT Ecological Services	In-person
8	Shri. Arjun Jadapure	Aaxis Nano Technologies Pvt. Ltd.	In-person
9	Ms. Rama Purohit	Consultant, KPMG	In-person
10	Pritam Baruah	Consultant, KPMG	In-person



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RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

**Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra****3. Main Points Discussed**

Table 2: Pre-Bid Queries and Clarifications

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
1.	S. No. 13	12	Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only. INR 16,00,000 (INR Sixteen Lakhs Only).	We kindly request consideration for an exemption under the MSME and Start-up relaxation policies as per the GOI GR No. OM. No. F 20/22024-PPD (Pt) dated 20.09.2024.	No Change, RFP condition prevails.
2.	S. No. 14	12	Security Deposit / Performance Bank Guarantee (PBG)	Kindly permit us to submit the FDR from Nationalized/Scheduled banks.	No Change, RFP condition prevails.
3.	Clause 3.1	28	<p>PQ 4, Project Experience 1: The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on date of submission of bid per following details:</p> <p>- One (01) project worth INR 6.5 Crore (Six Crore Fifty Lakhs and above) OR - Two (02) projects worth INR 4.0 Crore (Four Crore and above) OR - Three projects worth INR 3.20 Crore (Three Crore twenty Lakhs) and above</p>	<p>Since there are very few tenders for RTWQMS work, only a limited number of vendors have been awarded the projects. We would recommend the following points to encourage greater bidder participation and enhance competitiveness.</p> <p>a. We request that the experience criteria include consideration of 5 work orders with a minimum value of ₹5.0 crore.</p> <p>b. Request for the Considered the completion certificate, we can submit the commissioning report or handover report in the bidder's specified format, stamped and signed by the client</p> <p>c. Request For proof of payment from a private company, will be tax</p>	No Change, RFP condition prevails.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
				invoice suffice, or any other financial documents are required please specify.6	
4.	Clause 3.1	29	PQ 5, Project Experience 2: The Bidder should have experience of successful installation of at least Thirty (30) nos. of RTWQMS during the past Seven (07) years in any **large-scale industries.	We request consideration for the successful installation of at least 30 RTWQMS units in any Govt./PSU/Municipal Corporation/large scale industries within India.	No Change, RFP condition prevails.
5.	Clause 3.1	29	PQ 6, Project Experience 3: The Bidder should have experience of “similar works” * of supplying at least Five (05) nos. of river RTWQMS along with Operation & Maintenance during the past Seven (07) years.	We kindly request consideration for the supply of at least four (04) river/drain or Flowing surface water body RTWQMS units, including their operation and maintenance.	No Change, RFP condition prevails.
6.	Clause 3.1	30	PQ 8, Certifications: Certifications: OEM / authorized bidder of OEM should have ▪ valid ISO 9001: 2015 certification, and ▪ valid certificate from ICAT/ ARAI / CIRT or equivalent government agency and Type Approval/ /Homologation Certification (for machine) ▪ TUV certification for Sensors	▪ Valid ISO 9001: 2015 certification, ▪ If the participate are Indian bidder than The OEM must possess a valid consent copy from the Pollution Control Board and a CE certificate. Clarification on mention certification is required. ▪ TUV certification for Sensors	The revised clause in Section 3, Clause 3.1 PQ8, Page No. 30, shall be read as: “Certifications: OEM / authorized bidder of OEM should have: ▪ Valid ISO 9001: 2015 certification ▪ TUV certification for Sensors.”
7.	Clause 4.1	40	Operation and Maintenance of the RTWQMS for a period of 3+2 years from the date of its commissioning	Kindly confirm the exact duration of the operation and maintenance period for the RTWQMS along with Warranty	Refer to S. No. 17, Contract Period Page No. 40 of the RFP, wherein the Description column clearly states: “The total contract period for the project will be Three (3) years and Three (3) months from the date of LOA/ LOI (including warranty period of One (1) year).



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					The warranty period is One year from the date of issue of CoOP. The successful bidder is required to operate and maintain the equipment during warranty as well as CAMC period of One year which is One year post warranty period of One year.
8.	Clause 4.4	42	The system supplier will comply with testing/calibration protocol as per International Standards.	The supplier shall adhere to the testing and calibration protocols in accordance with CPCB guidelines and SOP. Also please clarify which international standers to are mentioned.	The revised clause in Section 4 Clause 4.4, Page No. 42, shall be read as: “3. The system supplier will comply with testing/calibration protocol as per International Standards (ISO 17025)”.
9.	Clause 4.4	42	36. MOC of Sensor should be Titanium grade or better with ultrasonic cleaning and optional compressed air cleaning.	Kindly consider the material of construction (MOC) to be either Titanium or SS316.	The revised clause should be read as: 36. MOC of Sensor should be Titanium grade or better with ultrasonic cleaning / compressed air cleaning.
10.	Clause 4.4	43	43. Individual parameter method analysis, Individual Calibration, Individual Validation without any coefficient calculation from one parameter to another.	For the BOD parameter, there is no separate calibration or validation process, as BOD is measured in correlation with COD. In compliance with CPCB Guidelines	No Change, RFP condition prevails.  BOD and COD can be validated individually as detailed in APHA Guidelines (Standard Methods for the Examination of Water and Wastewater) as well as EPA Guidelines (Code of Federal Regulations- Title 40, Part 136).
11.	Clause 4.3.3	44	4. Automatic Sampling for laboratory measurement Feature Onboard. 5. PLC Based basic features for process control to comply regulatory guidelines.	Please clarify this scope and Laboratory sampling.	The Clause 4.3.3 (4), in Section 4, Page No. 44: “Automatic Sampling for laboratory measurement Feature Onboard” - <b>Stands deleted.</b>
12.	Clause 4.5.1	44	Measuring Principle - ISE - Potentiometric	Request for measuring principle Glass Electrode/ISE - Potentiometric In Compliance with CPCB guidelines	No Change, RFP condition prevails.



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13.	Clause 4.5.1	46	Controller to Display distance - Up to 3 km cable length required as per site conditions	Laying cable up to 3 KM may result in cable damage for various reasons; therefore, we recommend considering the IOT based Display board and data can be transmitted remotely.	The bidder may propose suitable method based on their assessment either laying cables or use IOT based Display board for data transfer.									
14.	Clause 4.1,	40	Reporting of data to MPCB. The price for the data Supply would include the Operation and Maintenance, including incidental charges, electricity, providing manpower at site, security, etc.	Additionally, for manpower and security, please specify the required number of personnel to be deployed on-site.	The number of security personnel to be deployed on-site shall be determined by the Bidder, ensuring round-the-clock safety and security of the instruments.									
15.	Clause 4.5.5	54	Measurement Principle - Potentiometric	We request that the Ion Selective Electrode/Potentiometric measuring principle be considered. In Compliance with CPCB guidelines	Refer to the clarification given in S. No. 12 above.									
16.	Clause 4.5.10	56	Measurement Principle - Potentiometric	We kindly request that the Ion Selective Electrode/Potentiometric measuring principle be taken into consideration. In Compliance with CPCB guidelines	Refer to the clarification given in S. No. 12 above.									
17.	Clause 4.5.11	56	• Control unit should be rugged with keypad	We request that a rugged design with a touchpad display be considered.	No Change, RFP condition prevails.									
18.	Clause 4.5.12	58	Size of the Display 10*12 feet	The quantity of the display boards needs to be specified.	<div>The revised Clause in Section 4, Clause 4.5.12, Page No. 58-59, shall be read as:<table><tr><th>S. No.</th><th>Parameter</th><th>Specification</th></tr><tr><td>6</td><td>Size of the Display</td><td>10*12 feet (Stands deleted)</td></tr><tr><td>19 (New)</td><td>No. of display boards</td><td>One (01) at each station.</td></tr></table></div>	S. No.	Parameter	Specification	6	Size of the Display	10*12 feet (Stands deleted)	19 (New)	No. of display boards	One (01) at each station.
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							(Size to be proposed by the Bidder)
19.	Clause 3.1	30	The Bidder should have at least Twenty (20) Service Engineers experienced in Comprehensive O & M of RTWQMS, with either permanent PF account or professional tax account on bidder's payroll as on bid submission date	The Bidder should have at least 20 service engineers experienced in Comprehensive O&M of RTWQMS in Maharashtra Region	No Change, RFP condition prevails.		
20.	Clause 4.3	41	No Floating Stations are included and allowed in this bid.	We would like to strongly recommend the floating station for your consideration.	The Bidder may propose technology based on their own assessment. Floating stations will also be considered.		
21.	Clause 4.10	72	2. The bidder must provide Country of Origin certificate at the time of supply.	Please clarify which certificate is required.	The Bidders are required to provide the Certificate of Origin (COO) at the time of supply.		
22.	NIT table	12	INR 16,00,000 (INR Sixteen Lakhs Only). EMD: Rs. 17,50,000 (INR Seventeen Lakhs Fifty Thousand Only IN TENDER NOTIC	Please confirm EMD Amount	The Bidders are requested to consider the EMD mentioned on the e-tender portal i.e., INR 17,50,000 (INR Seventeen Lakhs Fifty Thousand Only) The revised clause in Tender Schedule S. No. 13, Page No. 12, shall be read as: "Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only - <b>INR 17,50,000 (INR Seventeen Lakhs Fifty Thousand Only)</b> "		
23.	Clause 1.3 Contract Period	14	The total contract period for the project will be three (3) years and (03) three months from the date of LOA/ LOI (including warranty period of one (01) year), subject to satisfactory performance. The contract may be extended for further two (02) years based on the satisfactory performance of the Bidder.	Please confirm CAMC and Warranty Period.	Refer to the clarification given in S. No. 7 above.		



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB						
24.	Clause 2.24 Bid Prices	24	The bidder has to quote for “Selection of an Agency for Supply, Commissioning, operation and Maintenance and CAMC of 30 Nos. of 1.5 TPD Capacity In-Vessel Solarized Mechanical Composting Machines Integrated into a Vehicles for MPCB” in the format given for financial bid. Validity of Bid shall be of 180 days (One Hundred and Eighty Days) from date of opening of Technical / Stage 1 bids.	Please confirm Commissioning, operation, and Maintenance and CAMC of 30 Nos. of 1.5 TPD Capacity In-Vessel Solarized Mechanical	The revised Clause in Section 2, Clause 2.24 (Bid Prices), Page No. 24, shall be read as:  “The bidder has to quote for “Supply, Commissioning and Maintenance of Real-Time Water Quality Monitoring Stations (RTWQMS) In Maharashtra” in the format given for financial bid. Validity of Bid shall be of 180 days (One Hundred and Eighty Days) from date of opening of Stage 1 (Pre-qualification Proposal) bids.”						
25.	Clause 3.1, PQ 2	27	Average Annual Turnover: Minimum Average Annual Turnover (MAAT) for the last three (03) audited financial years (FY 2021-22, FY 2022-23 & FY 2023-24) of the bidder should not be less than INR 2.5 Crore (INR Three Crore only)	Please confirm 2.5 Crore or 3.0 Crore	The revised Clause in Section 3, Clause 3.1 Pre-Qualification Criteria, Page No. 27, shall be read as: <table><tr><th>S. No.</th><th>Minimum Eligibility Criteria Pre-Qualification Criteria</th><th>Document to be submitted</th></tr><tr><td>PQ2</td><td>Average Annual Turnover: Minimum Average Annual Turnover (MAAT) for the last three (03) audited financial years (FY 2021-22, FY 2022-23 &amp; FY 2023-24) of the bidder should not be less than INR 2.50 Crore (INR Two Crore Fifty Lakhs only)</td><td>Copy of Annual Audited Financial Statements, Balance sheet and profit and loss statement, certified by a Chartered Accountant for the preceding Three years (FY 2021-22, FY 2022-23 &amp; FY 2023-24)  Note: Audited financial statement should match with certificate of</td></tr></table>	S. No.	Minimum Eligibility Criteria Pre-Qualification Criteria	Document to be submitted	PQ2	Average Annual Turnover: Minimum Average Annual Turnover (MAAT) for the last three (03) audited financial years (FY 2021-22, FY 2022-23 & FY 2023-24) of the bidder should not be less than INR 2.50 Crore (INR Two Crore Fifty Lakhs only)	Copy of Annual Audited Financial Statements, Balance sheet and profit and loss statement, certified by a Chartered Accountant for the preceding Three years (FY 2021-22, FY 2022-23 & FY 2023-24)  Note: Audited financial statement should match with certificate of
S. No.	Minimum Eligibility Criteria Pre-Qualification Criteria	Document to be submitted									
PQ2	Average Annual Turnover: Minimum Average Annual Turnover (MAAT) for the last three (03) audited financial years (FY 2021-22, FY 2022-23 & FY 2023-24) of the bidder should not be less than INR 2.50 Crore (INR Two Crore Fifty Lakhs only)	Copy of Annual Audited Financial Statements, Balance sheet and profit and loss statement, certified by a Chartered Accountant for the preceding Three years (FY 2021-22, FY 2022-23 & FY 2023-24)  Note: Audited financial statement should match with certificate of									



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
					<p>chartered accountant</p> <p>Certificate from Statutory Auditor as per Annexure 5. (In case of sole Bidder, it should be met by the sole Bidder itself. Whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion)</p>
26.	Clause 3.1, PQ 8	30	<p>Certifications: OEM / authorized bidder of OEM should have:</p> <ul style="list-style-type: none"> <li>▪ valid ISO 9001: 2015 certification, and</li> <li>▪ valid certificate from ICAT/ ARAI / CIRT or equivalent government agency and Type Approval/ /Homologation Certification (for machine)</li> <li>▪ TUV certification for Sensors</li> </ul>	Please confirm need to have TUV certificate of all the sensors	Refer clarification given in S. No. 6 above.
27.	Clause 4.1	40	Operation and Maintenance of the RTWQMS for a period of 3+2 years from the date of its commissioning	Please confirm CAMC and Warranty Period	Refer to the clarification given in S. No. 7 above.
28.	Clause 4.2	41	Operation & Maintenance of Riverwater monitoring Stations for a period of five (3+2) years from the date of commissioning of the station, which can be extended up to three (3) years at the mutually agreed rates and terms and conditions	Please confirm CAMC and Warranty Period	Refer to the clarification given in S. No. 7 above.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
29.	Clause 4.4	42	The systems installed or to be installed which may include sensors/ electrodes/ data communicating devices or other related devices, should have the certification of institutions like TUV, BIS/CSIR-NPL etc.	Please confirm all sensor need have certification like TUV, BIS/CSIR-NPL.	All the sensors installed need to have certification of institutions like TUV, BIS/CSIR-NPL etc.
30.	Clause 4.5.13	59	Radar Water Level Sensor	Please confirm for the same	The Clause in Section 4, Clause 4.5.13, Page No. 59-61, 'Specifications for Radar Water Level Sensor' <b>stands deleted</b>
31.	Clause: Comprehensive Annual Maintenance Contract (CAMC),	69-70	<p>The Successful Bidder is therefore sensitized to the need for proper planning, deployment, and Maintenance throughout the period of contract (3 years +2).</p> <p>i. Regular Schedule maintenance of the machine is covered along with consumables and service cost.</p> <p>ii. Consumables covered – Engine oil, Hydraulic oil, Chain Case oil, all filters required for the equipment at scheduled service.</p> <p>f) Preventive maintenance: The Successful Bidder will carry out preventive maintenance on a monthly/ quarterly/ half yearly/ yearly, basis discussion with the MPCB/ULBs. The preventive maintenance will include but will not be restricted to the replacement of consumables, like Filter replacement / filtration of oil etc. The preventive maintenance shall be carried out in a required sequence for which, trained personnel shall be appointed who are fully conversant with operation and maintenance of the machines.</p>	<p>i. Please confirm Machine Covered</p> <p>ii. Please Confirm Consumables</p> <p>F: Please confirm Preventive Maintenance</p>	Refer to clarification given in S. No. 7 above.
32.	Clause: Comprehensive	73	Starting from the date of issue of CoOP for a period of two (02) years (including warranty period)	Please confirm CAMC and Warranty Period	Refer to clarification given in S. No. 7 above.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
	ive AMC, On-site Support				
33.	Clause: Period of CAMC Contract	74	The Bidder shall carry out Comprehensive Operation & Maintenance Contract of River Water Quality Monitoring Stations for a period of 2 years post warranty period of the respective station subject to satisfactory performance.	Please confirm CAMC and Warranty Period	Refer to clarification given in S. No. 7 above.
34.	Sr. No. 13	12	Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only	We request you to accept Bank Guarantee as EMD.	No Change, RFP condition prevails.
35.	Clause 2.24	24	2.24 Bid Prices The bidder has to quote for "Selection of an Agency for Supply, Commissioning, operation, and Maintenance and CAMC of 30 Nos. of 1.5 TPD Capacity In-Vessel Solarized Mechanical Composting Machines Integrated into a Vehicles for MPCB" in the format given for financial bid. Validity of Bid shall be of 180 days (One Hundred and Eighty Days) from date of opening of Technical / Stage 1 bids.	We request you to please eliminate this clause as due to this clause, the bidding price will increase tremendously.	Refer to the clarification give in S. No. 24 above.
36.	Clause 3.1	28	PQ 4, Project Experience 1: The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on.	The said tender is for River Monitoring so we request you to ask experience of monitoring the River flow from GOVT/Semi GOVT, Local Bodies and PSU, which will prove the interested bidder has the capability to execute the said project in proper manner and within stipulated time limit. Please delete clause of Large-scale Industries.	No Change, RFP condition prevails.
37.	Clause 3.1	29	PQ 6, Project Experience 3:	We request to ask bidder to submit Authorization letter from OEM not	No Change, RFP condition prevails.



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			<p>The Bidder should have experience of “similar works” * of supplying at least Five (05) nos. of river RTWQMS along with Operation &amp; Maintenance during the past Seven (07) years-</p> <p>a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work.</p> <p>b. Completion Certificate from the client OR In case of on-going project, 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. Bidder to provide Project Citation as per Format in Annexure 4.</p>	only for supply of products but also need OEM support during O&M period for genuine spare parts and services. And bidder has associated with OEM from last 07 years and same documents will be submitted in envelop no 01.	
38.	Clause 3.1	30	<p>PQ 8, Certifications: OEM / authorized bidder of OEM should have:</p> <ul style="list-style-type: none"> <li>▪ valid ISO 9001: 2015 certification, and</li> <li>▪ valid certificate from ICAT/ ARAI / CIRT or equivalent government agency and Type Approval/ /Homologation Certification (for machine)</li> <li>▪ TUV certification for Sensors</li> </ul>	We request you to remove following certificates as these are not require certificate for this of project. Please ask TUV certificate for entire products.	Refer to the clarification given in S. No. 6 above.
39.	Clause 3.1	32	<p>PQ 12, Minimum technical specification requirements.</p> <p>The bidder must meet the minimum technical specifications mentioned in the Bid document for the machines and other equipment's involved in for Supply, Installation, Testing, Training and Commissioning of RTWQMS –</p>	We propose that the technical documents we request you to ask all then technical datasheet should be sign and stamp by OEM and submitted in envelop no 01.	No Change, RFP condition prevails.



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			Self-certification signed by the Authorized Signatory, on the company letter head as per format provided in this Bid document as per Annexure 21 along with other supporting documents like brochures. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually for each of the instrument or jointly for overall individual instrument/ system)		
40.	Clause 4.4	42	2. The systems installed or to be installed which may include sensors/ electrodes/ data communicating devices or other related devices, should have the certification of institutions like TUV, BIS/CSIR-NPL etc.	We request you to ask ISO, USEPA, TUV.	The revised Clause in Section 4.4, (Technical Specifications and Salient Features Regarding Online Water Quality Monitoring System) Page No. 42 shall be read as:  “2. The systems installed or to be installed which may include sensors / electrodes / data communicating devices or other related devices, should have the certification of institutions like <b>EPA or ISO 15839 (for Environmental and Performance standards), ISO 9001, ISO 17025</b> (for Calibration and quality control standards) or TUV/ BIS/ CSIR-NPL, etc.”
41.	Clause 4.4	44	36. MOC of Sensor should be Titanium grade or better with ultrasonic cleaning and optional compressed air cleaning.	We request you to ask MOC for the sensors be SS316L. Also, sensor and cable need to be IP 68 protection which will sustain in river water.	Refer to the clarification given in S. No. 9 above.
42.	S. No. 6 - Tender Schedule	11	Tender due date -Last date of Bid Submission 24/10/2024, 17:30 IST	Please amend the due date 10th September 2024.	Refer to Corrigendum 1 uploaded on the e-tender portal and MPCB website
43.	S. No. 13 - Tender Schedule	12	Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only-INR 16,00,000 (INR Sixteen Lakhs Only).	Please consider the exemption for MSME Firms.	Refer to the clarification given in S. No.1 above.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
44.	Clause 2.24	24	2.24 Bid Prices The bidder has to quote for "Selection of an Agency for Supply, Commissioning, operation and Maintenance and CAMC of 30 Nos. of 1.5 TPD Capacity In-Vessel Solarized Mechanical Composting Machines Integrated into a Vehicles for MPCB" in the format given for financial bid. Validity of Bid shall be of 180 days (One Hundred and Eighty Days) from date of opening of Technical / Stage 1 bids.	Please remove these clauses from the tender as this is not relevant somehow, we believe.	Refer to the clarifications given in S. No. 24 above.
45.	Clause 3.1	27	PQ 2 Average Annual Turnover: Minimum Average Annual Turnover (MAAT) for the last three (03) audited financial years (FY 2021-22, FY 2022-23 & FY 2023-24) of the bidder should not be less than INR 2.5 Crore (INR Three Crore only)- Copy of Annual Audited Financial Statements, Balance sheet and profit and loss statement, certified by a Chartered Accountant for the preceding Three years (FY 2021-22, FY 2022-23 & FY 2023-24). Note: Audited financial statement should match with certificate of chartered accountant Certificate from Statutory Auditor as per Annexure 5. (In case of sole Bidder, it should be met by the sole Bidder itself. Whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion)	Average Annual Turnover to be consider 20 Cr.	No Change, RFP condition prevails.
46.	Clause 3.1	27-28	Net-worth Criteria: The bidder should have a positive net worth for each of the last three audited financial	Need to consider for to check bidder capability so demand bank solvency certificate from bidder	No Change, RFP condition prevails.



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB						
			<p>years (FY 2021-22, FY 2022-23 &amp; FY 2023-24).</p> <p>Duly filled Format for Financial years (FY 2021-22, FY 2022-23 &amp; FY 2023-24) to be submitted on the letterhead of the Chartered Accountant.</p> <p>Net worth Certificate duly certified by Chartered Accountant.</p> <p><b>Certificate from Statutory Auditor as per Annexure 5.</b></p> <p>(In case of sole Bidder, it should be met by sole Bidder itself whereas in case of Consortium, this would be applicable for each of the Consortium Members).</p>								
47.	Clause 3.1	28	<p>PQ 4: Project Experience 1:</p> <p>The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on date of submission of bid per following details: - One (01) project worth INR 6.5 Crore (Six Crore Fifty Lakhs and above) OR- Two (02) projects worth INR 4.0 Crore (Four Crore and above) OR- Three projects worth INR 3.20 Crore (Three Crore twenty Lakhs) and above- a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work. b. Completion Certificate from the client OR In case of on-going project, partial completion certificate from the client on client's letter</p>	<p>We request that you consider river monitoring experience and discharge monitoring as the primary criteria for this tender, as it specifically pertains to river monitoring. Industrial experience differs significantly from water experience, and we believe focusing on relevant experience will ensure the project's success. Additionally, we propose that the system be designed for direct implementation in the river using a float system for effective monitoring.</p>	<p>Modified Clause 3.1 PQ4:</p> <p>For experience in large scale industries, real-time discharge monitoring shall be considered.</p> <table><tr><th>S. No.</th><th>Minimum Eligibility Criteria-Pre-Qualification Criteria</th><th>Document to be submitted</th></tr><tr><td>PQ 4</td><td><p><b>Project Experience 1:</b></p><p>The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on date of submission</p></td><td><p>a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work.</p><p>b. Completion</p></td></tr></table>	S. No.	Minimum Eligibility Criteria-Pre-Qualification Criteria	Document to be submitted	PQ 4	<p><b>Project Experience 1:</b></p> <p>The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on date of submission</p>	<p>a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work.</p> <p>b. Completion</p>
S. No.	Minimum Eligibility Criteria-Pre-Qualification Criteria	Document to be submitted									
PQ 4	<p><b>Project Experience 1:</b></p> <p>The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on date of submission</p>	<p>a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work.</p> <p>b. Completion</p>									



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			head mentioning the relevant scope of Work, having received the payment matching the 'Minimum Project Value' of the partially completed project. c. Proof of payment for private companies work orders. 8. Bidder to provide Project Citation as per Format in Annexure 4. 9. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)		<p>of bid per following details:</p> <ul style="list-style-type: none"> <li>- One (01) project worth <b>INR 6.5 Crore</b> (Six Crore Fifty Lakhs and above)</li> <li>OR</li> <li>- Two (02) projects worth <b>INR 4.0 Crore</b> (Four Crore and above)</li> <li>OR</li> <li>- Three (03) projects worth <b>INR 3.20 Crore</b> (Three Crore twenty Lakhs) and above</li> </ul> <p><b>Similar Works</b> - The similar works include supply, installation, commissioning (including data collection and transfer), operation and maintenance of titanium based / any other material of construction based, Real Time Water Quality Monitoring Systems along with web-based system for monitoring and analyzing water</p> <p>Certificate from the client OR In case of on-going project, 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.</p> <p>c. Proof of payment for private companies work orders.</p> <p>Bidder to provide Project Citation as per Format in Annexure 4.</p> <p>(In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)</p>



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB						
					<table><tr><td></td><td>quality parameters by users in India.</td><td></td></tr></table> <p>The definitions of similar works mentioned in the RFP stands deleted.</p>		quality parameters by users in India.				
	quality parameters by users in India.										
48.	Clause 3.1	29	<p>PQ 5: Project Experience 2: The Bidder should have experience of successful installation of at least Thirty (30) nos. of RTWQMS during the past Seven (07) years in any **large-scale industries.</p> <p>a) Bidders shall submit copy of work order/ contract agreement mentioning the relevant scope of Work.</p> <p>b) Completion Certificate from the client</p> <p>c) Project Citation as per format specified in Annexure 4.</p> <p>d) Declaration for having experience Annexure 8.</p> <p>*Only Completed projects shall be considered (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)</p>	<p>We request that you consider river monitoring experience and discharge monitoring as the primary criteria for this tender, as it specifically pertains to river monitoring. Industrial experience differs significantly from water experience, and we believe focusing on relevant experience will ensure the project's success. Additionally, we propose that the system be designed for direct implementation in the river using a float system for effective monitoring.</p>	<p>Enhanced Clause 3.1 PQ5 shall be read as:</p> <p>With respect to experience in large scale industries, real-time monitoring of discharge shall also be considered.</p> <table><tr><th>S. No.</th><th>Minimum Eligibility Criteria-Pre-Qualification Criteria</th><th>Document to be submitted</th></tr><tr><td>PQ 5</td><td><p><b>Project Experience 2:</b> The Bidder should have experience of "Similar Works" of successful installation of at least Thirty (30) nos. of RTWQMS during the past Seven (07) years in any **large-scale industries.</p><p><i>Similar Works - The similar works include supply, installation, commissioning (including data</i></p></td><td><p>a) Bidders shall submit copy of work order/ contract agreement mentioning the relevant scope of Work.</p><p>b) Completion Certificate from the client</p><p>c) Project Citation as per format specified in <b>Annexure 4.</b></p><p>d) Declaration for having</p></td></tr></table>	S. No.	Minimum Eligibility Criteria-Pre-Qualification Criteria	Document to be submitted	PQ 5	<p><b>Project Experience 2:</b> The Bidder should have experience of "Similar Works" of successful installation of at least Thirty (30) nos. of RTWQMS during the past Seven (07) years in any **large-scale industries.</p> <p><i>Similar Works - The similar works include supply, installation, commissioning (including data</i></p>	<p>a) Bidders shall submit copy of work order/ contract agreement mentioning the relevant scope of Work.</p> <p>b) Completion Certificate from the client</p> <p>c) Project Citation as per format specified in <b>Annexure 4.</b></p> <p>d) Declaration for having</p>
S. No.	Minimum Eligibility Criteria-Pre-Qualification Criteria	Document to be submitted									
PQ 5	<p><b>Project Experience 2:</b> The Bidder should have experience of "Similar Works" of successful installation of at least Thirty (30) nos. of RTWQMS during the past Seven (07) years in any **large-scale industries.</p> <p><i>Similar Works - The similar works include supply, installation, commissioning (including data</i></p>	<p>a) Bidders shall submit copy of work order/ contract agreement mentioning the relevant scope of Work.</p> <p>b) Completion Certificate from the client</p> <p>c) Project Citation as per format specified in <b>Annexure 4.</b></p> <p>d) Declaration for having</p>									



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB			
						<i>collection and transfer), operation and maintenance of titanium based Real Time Water Quality Monitoring Systems along with web-based system for monitoring and analyzing water quality parameters by users in India</i>	<i>experience</i> <b>Annexure 8.</b> <b>*Only Completed projects shall be considered</b> (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)	
						The definitions of similar works mentioned in the RFP stands deleted.		
49.	Clause 3.1	29-30	PQ 6: Project Experience 3: The Bidder should have experience of “similar works” * of supplying at least Five (05) nos. of river RTWQMS along with Operation & Maintenance during the past Seven (07) years- a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work. b. Completion Certificate from the client OR In case of on-going project, partial completion certificate from the client on client’s letter head mentioning the relevant scope of Work,	We request that you consider river monitoring experience and discharge monitoring as the primary criteria for this tender, as it specifically pertains to river monitoring. Industrial experience differs significantly from water experience, and we believe focusing on relevant experience will ensure the project’s success. Additionally, we propose that the system be designed for direct implementation	Enhanced Clause 3.1 PQ6 shall be read as:			
						<b>S. No.</b>	<b>Minimum Eligibility Criteria-Pre-Qualification Criteria</b>	<b>Document to be submitted</b>
						<b>PQ 6</b>	<b>Project Experience 3:</b> The Bidder should have experience of “similar works” of supplying at least Five (05) nos. of river RTWQMS along with Operation &	a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB	
			having received the payment matching the 'Minimum Project Value' of the partially completed project. Bidder to provide. Project Citation as per Format in Annexure 4. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly).	in the river using a float system for effective monitoring.	Maintenance during the past Seven (07) years.	Agreement mentioning the relevant scope of Work.
					<i>Similar Works - The similar works include supply, installation, commissioning (including data collection and transfer), operation and maintenance of titanium based/ any other material of construction, Real Time Water Quality Monitoring Systems along with web-based system for monitoring and analyzing water quality parameters by users in India</i>	b. Completion Certificate from the client OR In case of on-going project, 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. <b>Bidder to provide Project Citation as per Format in Annexure 4.</b>



## Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB	
						(In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)
					The definitions of similar works mentioned in the RFP stands deleted.	
50.	Clause 3.1	30	PQ 8: Certifications: OEM / authorized bidder of OEM should have: <ul style="list-style-type: none"> <li>▪ valid ISO 9001: 2015 certification, and</li> <li>▪ valid certificate from ICAT/ ARAI / CIRT or equivalent govt. agency and Type Approval / /Homologation Certification (for machine)</li> <li>▪ TUV certification for Sensors</li> </ul>	Please remove these certification ICAT, ARAI, CIRT	Refer to the clarification given in S. No. 6 above.	
51.	Clause 3.1	32	PQ 12: Minimum technical specification requirements. The bidder must meet the minimum technical specifications mentioned in the Bid document for the machines and other equipment's involved in for Supply, Installation, Testing, Training and Commissioning of RTWQMS - Self-certification signed by the Authorized	Documents should be notarized on letter head and original catalogue of the same.	No Change, RFP condition prevails.	



**Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra**

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			Signatory, on the company letter head as per format provided in this Bid document as per Annexure 21 along with other supporting documents like brochures. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually for each of the instrument or jointly for overall individual instrument/ system).		
52.	Clause 3.1	32	<p>*Similar Works - Similar Works - The similar works include supply, installation, commissioning (including data collection and transfer), operation and maintenance of titanium based Real Time Water Quality Monitoring Systems along with web-based system for monitoring and analyzing water quality parameters by users in India.</p> <p>**Large scale industries – Enterprises having more than 1,000 employees on payroll and fixed capital investment of more than INR 750 Crore (Definition as per Maharashtra Industrial Policy 2019).</p>	We request that you consider river monitoring experience and discharge monitoring as the primary criteria for this tender, as it specifically pertains to river monitoring. Industrial experience differs significantly from water experience, and we believe focusing on relevant experience will ensure the project's success. Additionally, we propose that the system be designed for direct implementation in the river using a float system for effective monitoring.	Refer to the clarification given in S. No. 48 above.
53.	Clause 4.4	42	2. The systems installed or to be installed which may include sensors/ electrodes/ data communicating devices or other related devices, should have the certification of institutions like TUV, BIS/CSIR-NPL etc.	Please consider USEPA, TUV & ISO certificate	Refer to the clarification given in S. No. 40 above.
54.	Clause 4.4	42	3. The system supplier will comply with testing/calibration protocol as per International Standards	Bidder must comply CPCB direction and NMCG /NGT SOP	Refer to the clarification given in S. No. 8 above.



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
55.	Clause 4.4	44	36. MOC of Sensor should be Titanium grade or better with ultrasonic cleaning and optional compressed air cleaning.	Please consider SS316 L with Air cleaning or better for highly corrosive water	No Change, RFP condition prevails.
56.	Clause 4.5.1, Point No. 25	46	Controller to Display distance Up to 3 km cable length required as per site conditions	Please consider system on float basis with display touch screen	Refer to the clarification given in S. No. 13 and S. No. 20 above.
57.	S. No. 6 - Tender Schedule	11	Tender due date -Last date of Bid Submission 24/10/2024 17:30 IST.	We are pleased to request that, please amend the due date 10 <sup>th</sup> September 2024 for preparation of documents.	Refer to Corrigendum 1 uploaded on the e-tender portal and MPCB website.
58.	S. No. 13 - Tender Schedule	12	Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only- INR 16,00,000 (INR Sixteen Lakhs Only).	We would like to propose that a Bank Guarantee (BG) be accepted for the Earnest Money Deposit (EMD) amount of ₹16,00,000.00 Or wave of MSME people i.e., Exemption.	Refer to the clarification given in S. No.1 above.
59.	Clause 2.24	24	2.24 Bid Prices The bidder has to quote for "Selection of an Agency for Supply, Commissioning, operation and Maintenance and CAMC of 30 Nos. of 1.5 TPD Capacity In-Vessel Solarized Mechanical Composting Machines Integrated into a Vehicles for MPCB" in the format given for financial bid. Validity of Bid shall be of 180 days (One Hundred and Eighty Days) from date of opening of Technical / Stage 1 bids.	Please remove this clause as this is not required for analyser.	Refer to the clarification given in S. No. 24 above.
60.	Clause 3.1	27	PQ 2: Average Annual Turnover: Minimum Average Annual Turnover (MAAT) for the last three (03) audited financial years (FY 2021-22, FY 2022-23 & FY 2023-24) of the bidder should not be less than INR 2.5 Crore (INR Three Crore only).	Minimum turnover to be consider 20 Cr.	No Change, RFP condition prevails.



**Corrigendum 2**

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

**Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra**

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			<p>Copy of Annual Audited Financial Statements, Balance sheet and profit and loss statement, certified by a Chartered Accountant for the preceding Three years (FY 2021-22, FY 2022-23 &amp; FY 2023-24).</p> <p>Note: Audited financial statement should match with certificate of chartered accountant.</p> <p>Certificate from Statutory Auditor as per Annexure 5.</p> <p>(In case of sole Bidder, it should be met by the sole Bidder itself. Whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion)</p>		
61.	Clause 3.1	27-28	<p>Net-worth Criteria: The bidder should have a positive net worth for each of the last three audited financial years (FY 2021-22, FY 2022-23 &amp; FY 2023-24).</p> <p>Duly filled Format for Financial years (FY 2021-22, FY 2022-23 &amp; FY 2023-24) to be submitted on the letterhead of the Chartered Accountant.</p> <p>Net worth Certificate duly certified by Chartered Accountant.</p> <p><b>Certificate from Statutory Auditor as per Annexure 5.</b></p> <p>(In case of sole Bidder, it should be met by sole Bidder itself whereas in case of Consortium, this would be applicable for each of the Consortium Members).</p>	Bank solvency to be consider 5 CR.	No Change, RFP condition prevails.



**Corrigendum 2**

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

**Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra**

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
62.	Clause 3.1	28	PQ 4: Project Experience 1: The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on date of submission of bid per following details: - One (01) project worth INR 6.5 Crore (Six Crore Fifty Lakhs and above) OR- Two (02) projects worth INR 4.0 Crore (Four Crore and above) OR- Three projects worth INR 3.20 Crore (Three Crore twenty Lakhs) and above- a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work. b. Completion Certificate from the client OR In case of on-going project, 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. c. Proof of payment for private companies work orders. 8. Bidder to provide Project Citation as per Format in Annexure 4. 9. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)	Please consider River and Discharge experience	Refer to the clarification given in S. No. 47 above.
63.	Clause 3.1	29	PQ 5: Project Experience 2: The Bidder should have experience of successful installation of at least Thirty (30)	Please consider river and discharge river monitoring exp.	Refer to the clarification given in S. No. 48 above.



## Corrigendum 2

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### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			<p>nos. of RTWQMS during the past Seven (07) years in any **large-scale industries.</p> <p>a) Bidders shall submit copy of work order/ contract agreement mentioning the relevant scope of Work.</p> <p>b) Completion Certificate from the client</p> <p>c) Project Citation as per format specified in Annexure 4.</p> <p>d) Declaration for having experience Annexure 8.</p> <p>*Only Completed projects shall be considered (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly).</p>		
64.	Clause 3.1	29	<p>PQ 6: Project Experience 3:</p> <p>The Bidder should have experience of "similar works" * of supplying at least Five (05) nos. of river RTWQMS along with Operation &amp; Maintenance during the past Seven (07) years- a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work. b. Completion Certificate from the client OR In case of on-going project, 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. Bidder to provide. Project Citation as per Format in Annexure 4. (In case of sole Bidder, it should be met by the sole</p>	<p>The bidder must have a minimum of 7 years of association as the Indian Authorized Representative of the OEM/Manufacturer of the products. And also, Po and PTR to be consider River and River discharge base on tender floated for river.</p>	No Change, RFP condition prevails.



## Corrigendum 2

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### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly).		
65.	Clause 3.1	30	<p>PQ 8: Certifications: OEM / authorized bidder of OEM should have:</p> <ul style="list-style-type: none"> <li>▪ valid ISO 9001: 2015 certification, and</li> <li>▪ valid certificate from ICAT/ ARAI / CIRT or equivalent govt. agency and Type Approval/ /Homologation Certification (for machine)</li> <li>▪ TUV certification for Sensors.</li> </ul>	We request the removal of the requirement for certifications like ICAT, ARAI, CIRT, or equivalent government agency and Type Approval/Homologation Certification (for machines), as these are not applicable for RTQWMS and discharge monitoring systems.	Refer to the clarification given in S. No. 6 above.
66.	Clause 3.1	32	<p>PQ 12, Minimum technical specification requirements.</p> <p>The bidder must meet the minimum technical specifications mentioned in the Bid document for the machines and other equipment's involved in for Supply, Installation, Testing, Training and Commissioning of RTWQMS – Self-certification signed by the Authorized Signatory, on the company letter head as per format provided in this Bid document as per Annexure 21 along with other supporting documents like brochures. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually for each of the instrument or jointly for overall individual instrument/ system).</p>	We requested to consider the technical documents submitted for this tender be stamped, signed, and notarized.	No Change, RFP condition prevails.
67.	Clause 3.1	32	*Similar Works - Similar Works - The similar works include supply, installation, commissioning (including data collection and transfer), operation and maintenance of titanium based Real Time Water Quality	Please remove the industries experience as river experience is altogether different.	No Change, RFP condition prevails.



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			Monitoring Systems along with web-based system for monitoring and analyzing water quality parameters by users in India. **Large scale industries – Enterprises having more than 1,000 employees on payroll and fixed capital investment of more than INR 750 Crore (Definition as per Maharashtra Industrial Policy 2019).		
68.	Clause 4.4	42	2. The systems installed or to be installed which may include sensors/ electrodes/ data communicating devices or other related devices, should have the certification of institutions like TUV, BIS/CSIR-NPL etc.	Please consider ISO, USEPA, TUV as per CPCB direction.	Refer to the clarification given in S. No. 40 above.
69.	Clause 4.4	42	3. The system supplier will comply with testing/calibration protocol as per International Standards.	Please consider as per CPCB SOP ( <a href="https://cpcb.nic.in/NGTMC/sop_oc_ems_stp.pdf">https://cpcb.nic.in/NGTMC/sop_oc_ems_stp.pdf</a> )	Refer to the clarification given in S. No. 8 above.
70.	Clause 4.4, Pg. No. 44		36. MOC of Sensor should be Titanium grade or better with ultrasonic cleaning and optional compressed air cleaning.	Please consider SS316 L with Air cleaning	No Change, RFP condition prevails.
71.	Clause 4.5.1-4.5.11	46-58	Display -for all sensor	Please consider touch screen display	No Change, RFP condition prevails.
72.	Clause 4.5.1, S. No. 25	46	Controller to Display distance: Up to 3 km cable length required as per site conditions	Please consider system on float basis	Refer to the clarification given in S. No. 20 above.
73.	Clause 4.5.2-4.5.4 Basic Requirement	46-52	Direction (System should be complied as per latest CPCB Direction, SOP & Guidelines)	Please consider as per CPCB direction and SOP	No Change, RFP condition prevails.
74.	S. No. 6 - Tender Schedule	11	Last date of Bid Submission -24/10/2024 17:30 IST	We respectfully request that the deadline be extended until 30th October 2024 to allow sufficient time for comprehensive preparation.	Refer to Corrigendum 1 uploaded on the e-tender portal and MPCB website.



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
75.	S. No. 13 - Tender Schedule	12	Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only-INR 16,00,000 (INR Sixteen Lakhs Only).	We would like to propose that a Bank Guarantee (BG) be accepted for the Earnest Money Deposit (EMD) amount of ₹16,00,000.00	Refer clarification given in S. No. 22 above.
76.	Clause 2.24	24	2.24 Bid Prices The bidder has to quote for "Selection of an Agency for Supply, Commissioning, operation and Maintenance and CAMC of 30 Nos. of 1.5 TPD Capacity In-Vessel Solarized Mechanical Composting Machines Integrated into a Vehicles for MPCB" in the format given for financial bid. Validity of Bid shall be of 180 days (One Hundred and Eighty Days) from date of opening of Technical / Stage 1 bids.	We would like to respectfully request the removal of certain details from the tender document, as they are not relevant to the scope of this particular tender. Eliminating these unnecessary elements will ensure greater clarity and relevance, ultimately facilitating a more accurate bid submission process.	Refer to the clarification given in S. No. 24 above.
77.	Clause 3.1	27	<p>PQ 2</p> <p>Average Annual Turnover: Minimum Average Annual Turnover (MAAT) for the last three (03) audited financial years (FY 2021-22, FY 2022-23 &amp; FY 2023-24) of the bidder should not be less than INR 2.5 Crore (INR Three Crore only)-</p> <p>Copy of Annual Audited Financial Statements, Balance sheet and profit and loss statement, certified by a Chartered Accountant for the preceding Three years (FY 2021-22, FY 2022-23 &amp; FY 2023-24)</p> <p>Note: Audited financial statement should match with certificate of chartered accountant Certificate from Statutory Auditor as per Annexure 5.</p> <p>(In case of sole Bidder, it should be met by the sole Bidder itself. Whereas in case of</p>	<p>We propose that the sole bidder should have a minimum turnover of three times the estimated value of the tender. This requirement will serve as an assurance of the bidder's financial capability to execute the project in a reliable and appropriate manner.</p> <p>Furthermore, we recommend that the same condition be applied equally to both consortium partners. Alternatively, the consideration of consortium partners should be excluded from the tender eligibility criteria.</p>	No Change, RFP condition prevails.



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			Consortium, either of the Consortium member should fulfil the relevant criterion)		
78.	Clause 3.1	27-28	<p><b>Net-worth Criteria:</b> The bidder should have a positive net worth for each of the last three audited financial years (FY 2021-22, FY 2022-23 &amp; FY 2023-24). Duly filled Format for Financial years (FY 2021-22, FY 2022-23 &amp; FY 2023-24) to be submitted on the letterhead of the Chartered Accountant. Net worth Certificate duly certified by Chartered Accountant.</p> <p><b>Certificate from Statutory Auditor as per Annexure 5.</b> (In case of sole Bidder, it should be met by sole Bidder itself whereas in case of Consortium, this would be applicable for each of the Consortium Members).</p>	We propose that a bank solvency certificate of at least ₹8-10 crore be considered as part of the evaluation criteria to assess the financial capabilities of the tenderer. This will ensure that only financially stable bidders are able to participate, enhancing the likelihood of successful project completion.	No Change, RFP condition prevails.
79.	Clause 3.1	28	<p><b>PQ 4: Project Experience 1:</b> The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on date of submission of bid per following details: - One (01) project worth INR 6.5 Crore (Six Crore Fifty Lakhs and above) OR- Two (02) projects worth INR 4.0 Crore (Four Crore and above) OR- Three projects worth INR 3.20 Crore (Three Crore twenty Lakhs) and above- a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/</p>	<p>We propose that the sole bidder should have a minimum experience. Project Experience:</p> <ul style="list-style-type: none"> <li>The tenderer must demonstrate that the monitoring stations proposed in the project have been successfully installed, commissioned, operated, and maintained in any river under the jurisdiction of the State/Central Pollution Control Board or a relevant Government Department.</li> <li>The tenderer must have completed at least one project involving a minimum of 10 river water quality</li> </ul>	No Change, RFP condition prevails.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work. b. Completion Certificate from the client OR In case of on-going project, 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. c. Proof of payment for private companies work orders. 8. Bidder to provide Project Citation as per Format in Annexure 4. 9. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)	parameter monitoring stations, with each station monitoring at least 10 parameters under a single work order. Additionally, the tenderer must have installed, commissioned, operated, and maintained a minimum of 10 river flow/discharge parameter monitoring stations, each monitoring at least three key parameters (level, velocity, and flow/discharge) under a single work order. Performance credentials for both Real-Time Water Quality Monitoring Stations (RTWQMS) and Flow/Discharge Monitoring must be submitted in the form of completion or performance letters. • We respectfully request the removal of the clause related to large-scale industries, as the project involves river monitoring, a specialized field requiring expertise in line with NMCG policy. We believe this clause is not relevant to the tender. • Additionally, we recommend focusing on relevant experience certificates from qualified organizations aligned with the project's specific requirements.	
80.	Clause 3.1	29	PQ 5: Project Experience 2: The Bidder should have experience of successful installation of at least Thirty (30)	• We propose the removal of the clause concerning large industrial experience, as this type of experience differs significantly from	Refer the clarification given in S. No. 48 above.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			<p>nos. of RTWQMS during the past Seven (07) years in any **large-scale industries.</p> <p>a) Bidders shall submit copy of work order/ contract agreement mentioning the relevant scope of Work.</p> <p>b) Completion Certificate from the client</p> <p>c) Project Citation as per format specified in Annexure 4.</p> <p>d) Declaration for having experience Annexure 8.</p> <p>*Only Completed projects shall be considered (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly).</p>	<p>the specialized river monitoring experience required for this project. Given that the tender is specifically for river monitoring, we recommend focusing on relevant experience in this domain.</p> <ul style="list-style-type: none"> <li>• Additionally, we suggest setting a requirement for a minimum of 30 monitoring stations in this field [River experience] to ensure the appropriate expertise is considered.</li> <li>• Removing this clause will help ensure the tender attracts the most qualified bidders with relevant experience.</li> </ul>	
81.	Clause 3.1	29	<p>PQ 6: Project Experience 3:</p> <p>The Bidder should have experience of "similar works" * of supplying at least Five (05) nos. of river RTWQMS along with Operation &amp; Maintenance during the past Seven (07) years- a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work. b. Completion Certificate from the client OR In case of on-going project, 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. Bidder to provide. Project Citation as per Format in Annexure 4. (In case of sole Bidder, it should be met by the sole</p>	<p>We propose that the sole bidder should have a minimum experience.</p> <ul style="list-style-type: none"> <li>• The tenderer must provide proof of having successfully completed at least one river water quality monitoring project that includes a minimum of 10 stations, each monitoring 10 parameters, and have been involved in its operation and maintenance for at least 5 years. This project must have been executed in collaboration with entities such as the Central Pollution Control Board (CPCB), any State Pollution Control Board (SPCB), Central Water Commission (CWC), Water Resources Department (WRD), or any other government department in</li> </ul>	No Change, RFP condition prevails.



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			Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly).	<p>India. In addition, the tenderer must submit evidence of a single order for the installation and commissioning of at least 10 discharge monitoring stations, along with the relevant installation reports or certification.</p> <ul style="list-style-type: none"> <li>• The monitoring stations must have been operational in any river under the management of a State or Central Pollution Control authority or other government entities. Completion certificates must be issued by the relevant authority, confirming the successful execution of the work.</li> <li>• The bidder must participate in the tender using the same make/model number of equipment as indicated in the experience and performance certificates submitted as part of their credentials. If the provided information is discovered to be incomplete or inaccurate, their tender may be disregarded.</li> </ul> <p>Authorized Representation:</p> <ul style="list-style-type: none"> <li>• The bidder must have a minimum of 5 years of association as the Indian Authorized Representative of the OEM/Manufacturer of the products.</li> <li>• The attested copies of original work/Supply orders to CPCB/SPCB and other certificates /po issued</li> </ul>	



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				<p>should submit online along with the bid.</p> <ul style="list-style-type: none"> <li>• Note: All documents must be attested by a Government Gazetted Officer or duly notarized.</li> </ul>	
82.	Clause 3.1	30	<p>PQ 8: Certifications: OEM / authorized bidder of OEM should have:</p> <ul style="list-style-type: none"> <li>▪ valid ISO 9001: 2015 certification, and</li> <li>▪ valid certificate from ICAT/ ARAI / CIRT or equivalent govt. agency and Type Approval/ Homologation Certification (for machine)</li> <li>▪ TUV certification for Sensors.</li> </ul>	<p>We propose that the tender consider certifications such as</p> <ul style="list-style-type: none"> <li>• ISO 9001:2015, USEPA, TUV as valid qualifications. Additionally, we request the removal of the requirement for certifications like ICAT, ARAI, CIRT, or equivalent government agency and Type Approval/Homologation Certification (for machines), as these are not applicable for RTWQMS and discharge monitoring systems.</li> <li>• We believe these adjustments will better align the tender requirements with the nature of the project.</li> </ul>	Refer to the clarification given in S. No. 6 above.
83.	Clause 3.1	32	<p>PQ 12, Minimum technical specification requirements.</p> <p>The bidder must meet the minimum technical specifications mentioned in the Bid document for the machines and other equipment's involved in for Supply, Installation, Testing, Training and Commissioning of RTWQMS – Self-certification signed by the Authorized Signatory, on the company letter head as per format provided in this Bid document as per Annexure 21 along with other supporting documents like brochures. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either</p>	<p>We propose that the technical documents submitted for this tender be stamped, signed, and notarized. Additionally, we recommend that the original catalog of the OEM be attached, complete with the bidder's signature and stamp.</p> <p>This requirement will ensure the authenticity and credibility of the submitted documentation.</p>	No Change, RFP condition prevails.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			of the Consortium member should fulfil the relevant criterion individually for each of the instrument or jointly for overall individual instrument/ system).		
84.	Clause 3.1	32	<p>*Similar Works - Similar Works - The similar works include supply, installation, commissioning (including data collection and transfer), operation and maintenance of titanium based Real Time Water Quality Monitoring Systems along with web-based system for monitoring and analyzing water quality parameters by users in India.</p> <p>**Large scale industries – Enterprises having more than 1,000 employees on payroll and fixed capital investment of more than INR 750 Crore (Definition as per Maharashtra Industrial Policy 2019).</p>	<p>We propose the removal of the clause and consider the same we mentioned in Sr. No. 6 regarding industry experience, as it represents experience that is entirely opposite to the requirements for this tender. Eliminating this clause will ensure that only relevant experience is considered for the project.</p> <p>Eliminating this clause will ensure that only relevant experience is considered for the project.</p>	No Change, RFP condition prevails.
85.	Clause 4.4	42	2. The systems installed or to be installed which may include sensors/ electrodes/ data communicating devices or other related devices, should have the certification of institutions like TUV, BIS/CSIR-NPL etc.	We propose that the certifications considered for this tender align with CPCB protocols, specifically including ISO, USEPA, TUV.	Refer to the clarification given in S. No. 40 above.
86.	Clause 4.4	42	3. The system supplier will comply with testing/calibration protocol as per International Standards.	<p>We propose that the tender adhere to the norms set forth by CPCB, NMCG, and NJT as per the SOP outlined for the subject mentioned in the clause.</p> <p>Incorporating these standards will ensure compliance with regulatory requirements and enhance the overall effectiveness of the project. The tenderer must sign and comply with each and every point of the CPCB SOP</p>	Refer to the clarification given in S. No. 8 above.



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				<a href="https://cpcb.nic.in/NGTMC/sop_oc_ems_stp.pdf">https://cpcb.nic.in/NGTMC/sop_oc_ems_stp.pdf</a> It will be the tenderer's responsibility to adhere to all SOP points during the commissioning /Monitoring and operation & maintenance of the OCEMS system.	
87.	Clause 4.4	44	36. MOC of Sensor should be Titanium grade or better with ultrasonic cleaning and optional compressed air cleaning.	<ul style="list-style-type: none"> <li>• We propose that the Material of Construction (MOC) for the sensors be either SS316L or full-body titanium. Additionally, we recommend that the sensors include air cleaning or ultrasonic cleaning features and be suitable for river monitoring in submerged conditions.</li> <li>• Furthermore, both the sensor and the cable should be IP68 protected to ensure durability and reliability in aquatic environments.</li> <li>• To sustain the sensor in highly corrosive water environment. • The sensor should be completely reagent free for operation.</li> </ul>	No Change, RFP condition prevails.
88.	Clause 4.5.1-4.5.11	46-58	Display -for all sensor	<ul style="list-style-type: none"> <li>• We propose that the data collection system feature a bright color touch screen display of at least 8 inches (or larger) to facilitate clear visualization of local parameters and data trend analysis.</li> <li>• Additionally, the system should include an inbuilt data memory of at least 12 GB (or more) to ensure ample storage capacity. To enhance futureproofing, it should also have</li> </ul>	<p>The revised clause in Section 4, Clause 4.5.1, S. No. 20, Display for all sensors, Page No. 46, shall be read as:</p> <p>“Size of the display: <b>7 inches and above</b>. Touch screen is not mandatory.”</p>



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				the capability to add up to 20 additional sensors.	
89.	Clause 4.5.1, S. No. 25	46	Controller to Display distance. Up to 3 km cable length required as per site conditions	We propose that the system be designed for direct placement using a buoy float system. This setup will facilitate efficient data transmission from the location to the server.	Refer to the clarification given in S. No. 20 above.
90.	N/A	NA	Analyser Specification	We propose that the standard NMCG specification to be consider as attached here with below attached separately	No Change, RFP condition prevails.
91.	Clause 3.1	39	PQ 4: Project Experience 1: The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on date of submission of bid per following details: - One (01) project worth INR 6.5 Crore (Six Crore Fifty Lakhs and above) OR- Two (02) projects worth INR 4.0 Crore (Four Crore and above) OR- Three projects worth INR 3.20 Crore (Three Crore twenty Lakhs) and above- a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work. B. Completion Certificate from the client OR In case of on-going project, 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. C. Proof of payment for	We have experience in NMCG CPCB project in Ganga for 40 stations including supply, installation, commissioning, data validation every 15 days, O&M under service contract in data mode. Requesting MPCB to accept the same.	Refer to the clarification given in S. No. 47 above.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			private companies work orders. 8. Bidder to provide Project Citation as per Format in Annexure 4. 9. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)		
92.	Clause 3.1	29	<p>PQ 5: Project Experience 2: The Bidder should have experience of successful installation of at least Thirty (30) nos. of RTWQMS during the past Seven (07) years in any **large-scale industries.</p> <p>a) Bidders shall submit copy of work order/ contract agreement mentioning the relevant scope of Work.</p> <p>b) Completion Certificate from the client</p> <p>c) Project Citation as per format specified in Annexure 4.</p> <p>d) Declaration for having experience Annexure 8.</p> <p>*Only Completed projects shall be considered (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly).</p>	It is mentioned as large-scale industries experience. Requesting MPCB to advise if large-scale projects to PCB's are also accepted. Also requesting to please allow the timeline of 10 years in place of 7 years and also accept experience of analyzer-based technology to industries as industrial effluents water matrix are different from the river water and require better technologies than titanium-based sensor technologies. Considering such experience will only add value to the experience criteria.	Refer to the clarification given in S. No. 48 above.
93.	Section 4: Scope of Work	40	The camera at each of the station should provide continuous streamed footage/ visualization of the real time value (screen) and the nearby area including the sensors immersed in the river, at every 60 minutes. The connectivity of the camera is to be provided to MPCB through the web portals on 24x7 basis and should operate continuously.	Camera streaming, NVR usage in sites is not very feasible considering the limited access of internet and power supply. Also if installations on bridge covering both screen and sensors with a camera is not feasible. Requesting MPCB to allow only a picture of the real time value	No Change, RFP condition prevails.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			The output of the CCTV camera should also be connected with the DVR/NVR and the data for one month should be kept as backup retrievable through the software provided to MPCB.	(screen)/ the nearby area including the sensors immersed in the river, at every 60 minutes.	
94.	Section 4: Scope of Work	40	The output of the CCTV camera should also be connected with the DVR/NVR and the data for one month should be kept as backup retrievable through the software provided to MPCB.	For data of one month backup retrieving, high speed internet is required and in sites like bridges it is not feasible for this option to give power supply, High speed internet. Request you to please allow image every 1 hour or please allow extractive method, so we can keep station in safe place and also pumps can be adjusted as per flow changes without changing complete station.	No Change, RFP condition prevails.
95.	Clause 4.4	42	$\pm 15$ variation specified when matched with manually monitored results.	Requesting MPCB to confirm on the point if this is value of $\pm 15$ variation or $\pm 15\%$ as $\pm 15$ variation is not feasible for all parameters considering the ranges asked.	No Change, RFP condition prevails.
96.	Clause 4.5.2	48-49	UV-Visible is double Beam Spectrophotometry with multipoint calibration from wavelength 200 – 750 nm, as per the CPCB Guideline, xenon flash lamp, 256 photo diodes, two beam measurement, complete spectrum.	In basic requirement it is mentioned System should work on wavelength of 200-720nm as per the CPCB guidelines and all analyses should have independent values. Request you please accept 200-720 nm for COD & BOD parameters in place of 200-750 nm as this 30 nm won't add any value and 200-720nm is also full spectrum. 750nm is just specification for a defined make.	No Change, RFP condition prevails.
97.	Clause 4.5.10	56	S. No. 6: Operating Temperature 0 - 65°C	For any ISE sensors, there is limitation of temperature and	The revised clause in Section 4, Clause 4.5.10, S. No. 6, Page No. 56, shall be read as:



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
	Specifications for Ammonia			operating temperature is 0-40°C which is sufficient for Indian river conditions. Requesting to please accept the temperature of 0-40°C.	"Operating Temperature to be 0-40°C"
98.	Clause 4.5.14 Data logger	61	NEMA Enclosure	NEMA Enclosure is asked in the specifications. For this application, IP 68 is sufficient. Request you to please confirm on the same.	The revised clause in Section 4, Clause 4.5.14, Point No. 4 & 5, Page No. 6,1 shall be read as:  "4. The Datalogger should be enclosed in a NEMA-IV enclosure/ <b>IP 68</b> . 5. All the connections from or to the Datalogger should be inside the NEMA-IV enclosure/ <b>IP 68</b> ."
99.	Sr. No. 6- Tender Schedule	11	Tender due date -Last date of Bid Submission 24/10/2024 17:30 IST.	We are pleased to request that, please amend the due date 5 <sup>th</sup> September 2024 for preparation of documents.	Refer to the clarification given in S. No. 74 above.
100.	Sr. No. 13- Tender Schedule	12	Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only-INR 16,00,000 (INR Sixteen Lakhs Only).	Please consider BG Or please give exemption MSME.	Refer to the clarification given in S. No. 1 above.
101.	Clause 2.24- Bid Prices	24	2.24 Bid Prices The bidder has to quote for "Selection of an Agency for Supply, Commissioning, operation and Maintenance and CAMC of 30 Nos. of 1.5 TPD Capacity In-Vessel Solarized Mechanical Composting Machines Integrated into a Vehicles for MPCB" in the format given for financial bid. Validity of Bid shall be of 180 days (One Hundred and Eighty Days) from date of opening of Technical / Stage 1 bids.	This is not relevant clause so request to remove this clause	Refer to the clarification given in S. No. 24 above.
102.	Clause 3.1	27	PQ 2: Average Annual Turnover: Minimum Average Annual Turnover (MAAT) for the	Minimum turnover to be consider 40 Cr.	No Change, RFP condition prevails.



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S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			last three (03) audited financial years (FY 2021-22, FY 2022-23 & FY 2023-24) of the bidder should not be less than INR 2.5 Crore (INR Three Crore only)- Copy of Annual Audited Financial Statements, Balance sheet and profit and loss statement, certified by a Chartered Accountant for the preceding Three years (FY 2021- 22, FY 2022-23 & FY 2023-24) Note: Audited financial statement should match with certificate of chartered accountant Certificate from Statutory Auditor as per Annexure 5. (In case of sole Bidder, it should be met by the sole Bidder itself. Whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion)		
103.	Clause 3.1	27-28	Net-worth Criteria: The bidder should have a positive net worth for each of the last three audited financial years (FY 2021-22, FY 2022-23 & FY 2023-24). Duly filled Format for Financial years (FY 2021-22, FY 2022-23 & FY 2023- RFP for Supply, Installation, Testing, Training and Commissioning of RTWQMS in Maharashtra 28 RFP Ref. No.: MPCB/JD (WPC)/RTWQMS/ 2024-25S. No. Minimum Eligibility Criteria-Pre-Qualification Criteria Document to be submitted The bidder should have a positive net worth for each of the last three audited financial years (FY 2021-22, FY 2022-23 & FY 2023-24) [Net	Bank solvency to be consider 8 CR.	No Change, RFP condition prevails.



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			Worth as defined in Companies Act 1956 / 2013 as amended from time to time.] 24) to be submitted on the letterhead of the Chartered Accountant 3.4. Net worth Certificate duly certified by Chartered Accountant.5.6. Certificate from Statutory Auditor as per Annexure 57. (In case of sole Bidder, it should be met by sole Bidder itself whereas in case of Consortium, this would be applicable for each of the Consortium Members)		
104.	Clause 3.1	28	<p>PQ 4: Project Experience 1: The Bidder must have experience in similar works with any State Government / Central Government / PSU / Union Territory (UT) / Urban Local Body (ULB)/ Govt in India/ large scale industries in past seven (07) years as on date of submission of bid per following details:</p> <ul style="list-style-type: none"> <li>- One (01) project worth INR 6.5 Crore (Six Crore Fifty Lakhs and above) OR</li> <li>- Two (02) projects worth INR 4.0 Crore (Four Crore and above) OR</li> <li>- Three projects worth INR 3.20 Crore (Three Crore twenty Lakhs) and above-</li> </ul> <p>a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work.</p> <p>b. Completion Certificate from the client OR</p> <p>In case of ongoing</p>	Please consider River and Discharge experience as this is river tender so request to consider river and riven discharge experience only.	Refer to the clarification given in S. No. 47 above.



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			project, 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. c. Proof of payment for private companies work orders. 8. Bidder to provide Project Citation as per Format in Annexure 4. 9. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)		
105.	Clause 3.1	29	Project Experience 2: The Bidder should have experience of successful installation of at least Thirty (30) nos. of RTWQMS during the past Seven (07) years in any **large-scale industries. a) Bidders shall submit copy of work order/ contract agreement mentioning the relevant scope of Work. b) Completion Certificate from the client c) Project Citation as per format specified in Annexure 4. d) Declaration for having experience Annexure 8. *Only Completed projects shall be considered (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)	Same as above	Refer to the clarification given in S. No. 47 above.
106.	Clause 3.1	29	Project Experience 3: The Bidder should have experience of "similar works" * of supplying at least Five (05) nos. of river RTWQMS along with	Please consider river experience only	No Change, RFP condition prevails.



**Corrigendum 2**

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

**Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra**

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			Operation & Maintenance during the past Seven (07) years- a. Bidders shall submit copy of Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement mentioning the relevant scope of Work. b. Completion Certificate from the client OR In case of ongoing project, 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. Bidder to provide Project Citation as per Format in Annexure 4. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually or jointly)		
107.	Clause 3.1	30	Certifications: OEM / authorized bidder of OEM should have ▪ valid ISO 9001: 2015 certification, and ▪ valid certificate from ICAT/ ARAI / CIRT or equivalent government agency and Type Approval/ /Homologation Certification (for machine) ▪ TUV certification for Sensors	Please remove this clause certifications like ICAT, ARAI, CIRT	Refer to the clarification given in S. No. 6 above.
108.	Clause 3.1	32	Minimum technical specification requirements. The bidder must meet the minimum technical specifications mentioned in the Bid document for the machines and other equipment's involved in for Supply, Installation, Testing, Training and Commissioning of RTWQMS - Self-	Documents should be notarised	No Change, RFP condition prevails.



## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
			certification signed by the Authorized Signatory, on the company letter head as per format provided in this Bid document as per Annexure 21 along with other supporting documents like brochures. (In case of sole Bidder, it should be met by the sole Bidder itself, whereas in case of Consortium, either of the Consortium member should fulfil the relevant criterion individually for each of the instrument or jointly for overall individual instrument/ system)		
109.	Clause 3.1	32	*Similar Works - Similar Works - The similar works include supply, installation, commissioning (including data collection and transfer), operation and maintenance of titanium based Real Time Water Quality Monitoring Systems along with web-based system for monitoring and analyzing water quality parameters by users in India. **Large scale industries – Enterprises having more than 1,000 employees on payroll and fixed capital investment of more than INR 750 Crore (Definition as per Maharashtra Industrial Policy 2019).	Please consider river experience only	No Change, RFP condition prevails.
110.	Clause 4.4	42	2. The systems installed or to be installed which may include sensors/ electrodes/ data communicating devices or other related devices, should have the certification of institutions like TUV, BIS/CSIR-NPL etc.	Please consider USEPA and TUV certificate	Refer to the clarification given in S. No. 40 above.
111.	Clause 4.4	42	3. The system supplier will comply with testing/calibration protocol as per International Standards	Please follow CPCB direction and NMCJ SOP	Refer to the clarification given in S. No. 8 above.

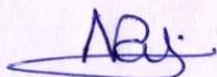


## Corrigendum 2

RFP Reference No. MPCB/JD (WPC)/ RTWQMS/ 2024-25

### Minutes of Pre-bid meeting of RFP for Supply, Commissioning and Maintenance of RTWQMS In Maharashtra

S. No.	Clause Reference	Page No.	Content of RFP Requiring Clarification	Change Request / Clarification required	Clarification/Amendment by MPCB
112.	Clause 4.4	44	36. MOC of Sensor should be Titanium grade or better with ultrasonic cleaning and optional compressed air cleaning.	Please consider SS316 L with Air cleaning	No Change, RFP condition prevails.
113.	Clause 4.5.1, S. No. 25	46	Controller to Display distance Up to 3 km cable length required as per site conditions	Please consider system on float basis with touch screen	Refer to the clarification given in S. No. 20. above.
114.	Clause 4.6.5	67	Clause 4.6.5 Section C Web platform  Point 1- Considering data transmission from the remote terminals to the Central Server is carried out via GPRS /GSM cellular network, data can be updated, for example, every 5 minutes or 10 minutes, or 15 minutes, as programmed by the PPCB Officials.		Modified Clause 4.6.5 Section C. <b>Web platform</b> (Page 67)  Point 1- Considering data transmission from the remote terminals to the Central Server is carried out via GPRS /GSM cellular network, data can be updated, for example, every 5 minutes or 10 minutes, or 15 minutes, as per the requirement of MPCB.



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SRO, MPCB



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PSO, MPCB



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JD (Air), MPCB



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JD (Water), MPCB

\*\*\*\*\*End of Document\*\*\*\*\*