

Request for Proposal for Empanelment of Agencies for conducting third party audit services for Sewage Treatment Plants (STPs) located in Maharashtra

MAHARASHTRA POLLUTION CONTROL BOARD

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Corrigendum 2

Date: 31/10/2024

Minutes of Pre-Bid Meeting for “RFP for Empanelment of Agencies for conducting third party audit services for Sewage Treatment Plants (STPs) located in Maharashtra”

1. Brief about the meeting

Date: 17/10/2024, Day: Thursday, Time: 12:00 PM – 1:00 PM

Place: MPCB Office and online over MS Teams platform

2. Agenda

Table 1: Pre-Bid Meeting attendees

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

Sr. No.	Name	Designation and Organization	In-person / Online
1	Shri. Shankar Waghmare	Joint Director (Water), MPCB	In-person
2	Shri. V. M. Motghare	Joint Director (Air), MPCB	Online
3	Shri. V. R. Thakur	Principal Scientific officer, MPCB	Online
4	Shri. Ajit Patil	Sub-Regional Officer, MPCB	In person
5	Shri. Avinash Kadale	Field Officer	In person

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Sr. No.	Name	Designation and Organization	In-person / Online
6	Shri. Ajeet Kumar	Mahabal Enviro Engineers Pvt. Ltd.	Online
7	Shri. Ajit Khandeshe	Kwan Environmental Solutions	In-person
8	Shri. Yash	Mitcon Consultancy and Engineering Services Ltd.	Online
9	Shri. Amol Gajare	Enversys Greentek Solutions	In person
10	Shri. Ajit Savadi	NJS Engineers India Pvt. Ltd.	In person
11	Shri. Sanket Sankpal		
12	Shri. Saptarshi Das	Consultant, KPMG	In person
13	Ms. Rama Purohit	Consultant, KPMG	In person
14	Ms. Rosemary Nobel	Consultant, KPMG	In person

3. Main Points Discussed

Table 2: Pre-Bid Queries

Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
1.	S. No. - 12: The summary of details with regard to this invitation of bids Page 12	Earnest Money Deposit (EMD) Rs. 10 Lakh	At Maha Tender portal EMD amount mentioned is Rs. 31 Lakh. Please Clarify the correct amount of EMD	The Bidders are requested to consider the EMD mentioned in NIT table, S. No. 12 and Section 2, Clause 2.9 on, Page No. 12 & 16 respectively as below: a) Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only - INR 10,00,000 /- (INR Ten lakhs only) on page no. 12 and under Sr. no. 12 of the table. b) Bidders shall submit EMD of INR 10,00,000 /- (INR Ten lakhs only) through Online e-Tendering Payment Gateway mode only.

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Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
2.	Section: 3, 3.1 (PQ4) Page 24	The Bidder shall have “*Similar works” experience in Audit Services during last Seven (7) years as on last date of submission of bid as per following details: One (1) project with “*Similar works” costing at least INR. 03.00 Cr. OR Two (2) projects with “*Similar works” each costing at least INR. 02.00 Cr. OR Three (3) projects with “*Similar works” each costing at least INR. 1.75 Cr. “*Similar works” - The Bidder shall have project experience in Audit Services of STPs involving field assessments for environmental compliance in Sewerage System/ STP’s/ WTP’s/Waterbody quality etc. for Central Government or its department / UT/ State Government or its department / Urban Local Body (ULB)/ PSU.	Based on our understanding, the audit services will be Audit/STP Operations/O&M of STPs also. Kindly Consider.	No Change, RFP condition prevails.
3.	Section: 3, 3.1 (PQ5)	Using online / offline Mobile and / or Web based platform for capturing audit	As per our understanding, the services will be same, it can be Audit/STP	Refer response given in Sr. No. 2. Above.

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Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
	Page 25	parameters by different field users and generation of audit summary reports for Central Government or its department / UT/State Government or its department / Urban Local Body (ULB)/ PSU.	Operations/O&M of STP also. Kindly Consider.	
4.	3.3 TE 2.1 Page 28	Evaluation parameter Note: For the purpose of value of the project cumulative project cost of all the additional projects submitted for the scoring purpose shall be considered	Kindly clarify the evaluation criteria under cumulative projects/orders of seven years. As per our understanding, if we add all the work orders, the cumulative value of those work orders will be considered for the scoring. Please confirm the same.	The revised clause should be read as: The scoring parameter shall be applicable to the bidder over and above the minimum number of projects as mentioned under of this TE 2.1: 1) $\geq$ INR 3.0 Cr. and $<$ INR 5.0 Cr.: 15 marks 2) $\geq$ INR 5.0 Cr. and $<$ INR 8.00 Cr.: 25 marks 3) $\geq$ 8.00 Cr.: 30 marks <i>Note: For the purpose of value of the project cumulative project cost of maximum Three (3) projects submitted for the scoring purpose shall be considered.</i>
5.	Annexure 11 Page 74	Format for Financial Bid Price break-up of Audit team to perform audit of Sewage Treatment Plants (STPs)	Please elaborate how to prepare a financial bid? how the manning days will be calculated in a month? kindly include the unit rates on the basis of audit done in a month for billing.	The Bidders have to quote the man-month rates as per the Financial Bid format to get eligible for empanelment. For actual cost of audit and award of audit work, refer Section 3, Clause 3.11, Page No. 32 Award of Contract.

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Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
6.	Annexure 17 and 18 Page 87-88	Checklist of parameters to be analysed for STP. All the STPs shall be further analysed through the inlet and outlet samples as per the Sewage treatment standards prescribed by Environment Protection Act (EPA) 1986 Format for Reporting on STP performance, the study agency shall be responsible to perform sampling at the STP for a total period of study and provide with results	Charges and the sampling quantity for the analysis of 8 parameters are not mentioned anywhere in the tender document. Please Clarify.	For charges for sample testing, please refer MPCB website as under: https://www.mpcb.gov.in/laboratory-analysis-charges/Water-and-Wastewater-Samples and https://www.mpcb.gov.in/about-us/lab-sampling-charges
7.	Notice For Request For Proposal For Empanelment S.no. 12:	Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only INR 10,00,000 /- (INR Ten lakhs only)	As per EMD mentioned on https://mahatenders.gov.in portal, it is mentioned as Rs. 31 Lakh Kindly confirm the amount of EMD	Refer response given in Sr. No. 1. above.
8.	Section: 3, 3.1 (PQ4)	Two (2) projects with “*Similar works” each costing at least INR.02.00 Cr.	Two (2) projects with “*Similar works” each costing at least INR. 01.00 Cr. Kindly Consider Additionally, Kindly include in similar work criteria Operation & Maintenance (O&M) of STPs also	Refer clarification given in Sr. No. 2. above.

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Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
9.	Section: 3, 3.1 (PQ5)	Three (3) projects with “**Similar works” each costing at least INR. 0.60 Cr.	Request to decrease the criteria by: Three (3) projects with “**Similar works” each costing at least INR. 0.40 Cr. Kindly Consider	No Change, RFP condition prevails.
10.	Section: 3, 3.1 (PQ5)	“**Similar works” - The Bidder shall have project experience in Audit Services of STPs/WTP/Waterbody quality/Ambient Air Quality assessment/ Waste Facility auditing using online / offline Mobile and / or Web based platform for capturing audit parameters by different field users and generation of audit summary reports for Central Government or its department / UT/State Government or its department / Urban Local Body (ULB)/ PSU.	Kindly include in similar work criteria Operation & Maintenance (O&M) of STPs also	Refer clarification given in Sr. No. 2. above.
11.	Clause no 12	Earnest money deposit to be paid via online gateway mode only	EMD mentioned on this page is 10 Lacks however in the advertisement it is mentioned 31 lacs, please clarify.	Refer clarification given in Sr. No. 1. above.
12.	Clause no 13	Security deposit/ performance bank guarantee	10 % Security deposit is to be submitted. - Is it possible to be debit the security deposit from the first few billing cycles of Starting of the service. Most of the service contracts	No Change, RFP condition prevails.

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			do follow a similar methodology for security deposit.	
13.	Clause no PQ4 - PQ5	Pre-qualification criteria project experience 1 & 2	Two types of experience mentioned as Project Experience 1 & 2 please clarify, whether Board is going to appoint multiple agencies with qualifying different criteria of how?	Refer RFP Section 3, Clause 3.2, Point 1, Page No. 27, the Bidders have to meet all the pre-qualification requirements. All those bidders, whose All pre-qualification proposal meets the requirements shall be selected for opening of the technical proposal.
14.	Clause no PQ3	Prequalification criteria manpower	Total no of Manpower mentioned is 50 Nos whereas the Manpower detail section the total required mentioned is 30 Nos only	Both the requirements are different. To comply with the criteria, Bidders are required to fulfill pre-qualification requirements mentioned in Section 3, Clause 3.1, Page No. 24. While the manpower requirements mentioned in Section 4, Clause 4.3, Page No. 40 is for the purpose of execution the detailed Scope of Work mentioned under the clause.
15.	Clause no PQ3 4.3.	Manpower strength_ auditor / environmental strength & wastewater specialist	Exact required no of Wastewater treatment specialists not mentioned in this section.	For details, refer Annexure 1 of this Corrigendum.
16.	Clause 1,2,3,4	Manpower strength	Chemical Engineer not allowed, generally chemical engineers having the necessary knowledge of Environment, water & wastewater field	For details, refer Annexure 1 of this Corrigendum.
17.	Clause no TE 2	Bidder's Relevant Strength	Can Water & wastewater treatment plant projects experience count in similar	No Change, RFP condition prevails.

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			relevant work experience. Normally in a audit process there is very less change of having work order of amount 3 Cr -70 Lakh	
18.	Clause no Annexures 11	Annexure 11-Financial Bid Manpower wise cost	Total count for resource are not mentioned & also need to clarity on amount to be enter in the monthly cost. Is it to possible that we can quote per site /per STP?	For resources, refer Annexure 1 of this Corrigendum. For monthly cost, refer clarification given in Sr. No. 5. above.
19.	Eligibility Criteria 3.1 PQ4	Project Experience 1	Kindly allow similar completed/ongoing work orders with a cumulative contract value of INR 3.0 crore Kindly accept implementation, execution projects of STP/ WTP/ ETP/ WATER BODY as similar work Accept Completed/ongoing work orders contains environmental aspects	No Change, RFP condition prevails.
20.	Eligibility Criteria 3.1 PQ4 & PQ5	Project Experience 1 & Project Experience 2	Kindly consider private/industrial experience also. For ongoing projects only work-order consider as experience. It is difficult to receive partial completion certificate from Client in time. Also in various WOs, payments are not issue as per payment terms mentioned in Work orders.	No Change, RFP condition prevails.
21.	Eligibility Criteria 3.1 PQ6	Certification Env certificates: ISO 14001 Lead Auditor Certification	Kindly consider NABET certification for qualification	No Change, RFP condition prevails. Also refer clarification given in Sr. No. 25. Below.

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Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
22.	2.1	Consortium/ Joint Venture	Kindly allow Consortium/Joint Venture for conducting third party audit services for Sewage Treatment Plants (STPs). As already mentioned in page no. 37 that Analysis shall be carried out through reputed and MoEF recognized laboratory as suggested by MPCB or at the MPCB laboratories	No Change, RFP condition prevails.
23.	2.9	Earnest Money Deposit (EMD) Bidders shall submit EMD of INR 10,00,000 /- (INR Ten lakhs only) through Online e-Tendering Payment Gateway mode only.	At e-Tendering Payment Gateway EMD amount showing Rs. 31,00,000/- kindly clarify, which amount is correct	Refer clarification given in Sr. No. 1. above.
24.	2.22 Security Deposit / Performance Bank Guarantee	Performance Bank Guarantee (PBG) from Nationalized /Scheduled Bank	Consider the submission of security deposit / performance security deposit in the forms like Demand Draft/FDR also	No Change, RFP condition prevails.
25.	2.22b Performance Bank Guarantee (PBG)	The Earnest Money deposited at the time of bid submission would be given back to the Successful Bidders after completion of empanelment process	At the time of submission of performance security, Kindly convert the submitted EMD amount in performance security. The Balance amount of performance security will be paid by the successful bidder	No Change, RFP condition prevails.
26.	Pre-Qualification Criteria PQ6 Certification Page 26	The bidder shall have following valid certificates as on last date of submission of bid: - ISO 9001:2015 Certification - Env certificates: ISO 14001 Lead Auditor Certification	Instead of Lead Auditor Certification (against ISO 14001), kindly change it to 'Certification' only as applicable for a Company. 'Lead Auditor' is a personal qualification.	The revised clause should be read as: "The bidder shall have following valid certificates as on last date of submission of bid: ▪ ISO 9001:2015 Certification ▪ ISO 14001: 2015 Certification"

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Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
27.	Tentative Scope and Methodology Page 37	Under 'Analysis' following mentioned: - Conventional analysis parameters determining the extent of pollution by sewage shall only be deployed mainly considering pH, BOD, COD, Solids, DO, metals, coliforms, and others. - In-situ measurement for certain time sensitive parameters such as pH, TDS, DO, etc. shall also be used. Annexure 17 and 18 mention: pH, BOD, COD, TSS, NH₄-N, N-Total, Faecal Coliform, PO₄-P	Parameters on page no.37 to be harmonized with the parameters mentioned in Annexure 17, page no.87 and Annexure 18, page no.88.	The revised clauses should be read as below: - Conventional analysis parameters determining the extent of pollution in sewage shall only be deployed after considering parameters mentioned in Annexure 17. - In-situ measurement for certain time sensitive parameters such as pH, BOD, COD and TSS shall also be used. - Standard representation of field blanks and sample duplicates shall be employed for QA/QC protocol. - Analysis shall be carried out through reputed and MoEF recognized laboratory as suggested by MPCB or at the MPCB laboratories."
28.	Annexure 17 Checklist of parameters to be analyzed for STP Page 87	Faecal Coliform - MPN/100ml Not to exceed <230 mg/l	Unit to be changed to MPN/100 ml from mg/l . Limit of Faecal Coliform to be reviewed.	The revised details should be read as below: "Faecal Coliform - MPN/100ml => Not to exceed 230 per 100 ml" (MPN – Most Probable Number)
29.	Annexure 18 Format for Reporting on STP performance Page 88	TC values	Delete "TC values" as it is not mentioned in the table in Annexure 18 and in Annexure 17.	The revised note should be read as below: "Note: All the values are to be in mg/l except pH. The FC values are in MPN/100ml."

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Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
30.	Page 11	Last date of Bid Submission 24/10/2024 15:00 IST	We request you to extend the last date of bid submission by at least 4 weeks after issuing the clarifications following the pre-bid meeting.	Refer Corrigendum 1 published on the portal.
31.	Page 12	Earnest Money Deposit (EMD) to be paid via Online Payment Gateway mode only INR 10,00,000 /- (INR Ten lakhs only)	There appears to be a significant discrepancy between the EMD fees outlined in the project Request for Proposal (RFP) document, which stipulate an amount of INR 10 lakhs AS EMD. The EMD fees as noted on the Maha-tender portal, is INR 31 lakhs. The EMD amount to be commensurate with the extend of the assignment and proportionate to the fee.	Refer clarification given in Sr. No. 1. above.
32.	3.1 Pre-Qualification Criteria Page 26	- Env certificates: ISO 14001 Lead Auditor Certification - ISO 9001:2015 Certification	The clause stipulates that the company is required to submit Environmental Certificates, specifically the ISO 14001 Lead Auditor Certification. In our view, as ISO 9001: 2015, which is more applicable for engineering consultancies is already specified, the appropriateness of additional requirement of ISO 14001 may be reviewed and deleted from the pre-qualification criteria. Please confirm	Refer clarification given in Sr. No. 25. above.
33.	3.1 Qualification Criteria PQ4 and PQ5	The Bidder shall have “*Similar works” experience in Audit Services during last Seven (7) years as on last date of	In "Similar Work" we request you to include experience in designing of Water Supply Systems/ Sewerage System/ STP's/ WTP's etc. for Central Government or its	Refer response given in Sr. No. 2. above.

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Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
	Page 24-25	submission of bid as per following details: “*Similar works” - The Bidder shall have project experience in Audit Services of STPs involving field assessments for environmental compliance in Sewerage System/ STP’s/ WTP’s/Waterbody quality etc. for Central Government or its department / UT/ State Government or its department / Urban Local Body (ULB)/ PSU.	department / UT/ State Government or its department / Urban Local Body (ULB)/ PSU. In "Similar Work" we request you to include experience in designing of Water Supply Systems/ Sewerage System/ STP’s/ WTP’s etc. for Central Government or its department / UT/ State Government or its department / Urban Local Body (ULB)/ PSU.	
34.	Annexure 20 Checklist for the documents for Technical Proposal Page 93-94	TE 2.1 Project value of maximum any three projects submitted. Maximum 3 Number of projects. 1) $\geq$ INR 3.0 Cr. and $<$ INR 5.0 Cr.: 15 marks 2) $\geq$ INR 5.0 Cr. and $<$ INR 8.00 Cr.: 25 marks 3) $\geq$ 8.00 Cr.: 30 marks <i>Note: For the purpose of value of the project cumulative project cost of all the additional projects submitted for the scoring purpose shall be considered</i>	-	Refer response given in Sr. No. 4. above.

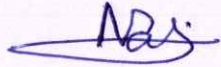
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Sr. No.	Clause No. & Page No.	Content of RFP Requiring Clarification	Change Requested / Clarification required	Clarification/Amendment by MPCB
35.	3.11 Award of Contract Page 32-33	3.11 Award of Contract 1. Based on requirement, MPCB shall share the detailed SoW / requirement with the Single Point of Contact (SPOC) of empaneled agencies. 2. All the empaneled agencies shall be called for the Technical Presentation with reference to the shared SoW / requirement of MPCB for evaluation 3. Individual empaneled agency shall be evaluated based on the presentation with reference to the parameters such as proposed experts and their experience, proposed organization structure, organization's past project experience, proposed plan of action for desired audit along with schedule, approach and methodology, audit schedule etc. 4. The project contract shall be awarded to the empaneled agency based on presentation and at the sole discretion of the MPCB.	-	3.11 Award of Contract 1. Based on requirement, MPCB shall share the detailed SoW / requirement with the Single Point of Contacts (SPOCs) of each empaneled agency. 2. All the empaneled agencies shall be called for the Technical Presentation with reference to the shared SoW / requirement of MPCB for evaluation 3. Individual empaneled agency shall be evaluated based on the presentation with reference to the parameters such as proposed experts and their experience, proposed organization structure, organization's past project experience, proposed plan of action for desired audit along with schedule, approach and methodology, audit schedule, cost, etc. 4. The project contract shall be awarded to the empaneled agency based on presentation and at the sole discretion of the MPCB. 5. To avoid conflict of interest, audit contract shall not be awarded to that empaneled agency that is directly or indirectly linked with the STP to be audited. The audit contract and empanelment contract with the agency shall be terminated if any such linkage is identified during the contract period.

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Sr. No.	Key professionals (Min Resources)	Qualifications	Area of Specific Expertise
1.	Project Manager (01 No.)	Postgraduate in Environmental Science / Environmental Engineering / Chemical Engineering/ Mechanical Engineering / Civil Engineering with a professional experience of minimum Eight (8) years.	Experience in Environment related projects especially in Environmental Compliance Assessment and Monitoring/ Environmental Footprint, Water quality Monitoring, Environment Management Planning (EMP) with leadership qualities to lead the team effectively.
2.	Team Lead (At least 04 nos.)	Postgraduate in Environmental Science / Environmental Engineering / Chemical Engineering / Mechanical Engineering / Electrical Engineering / Civil Engineering with a professional experience of minimum Five (5) years.	Experience in Environment related projects especially Environmental Compliance Assessment, Surveying, Environmental Footprint, Water Quality Monitoring, Project Management, Environment Management Planning.
3.	Auditor (SME) / Environmental Engineer (At least 20 nos.)	Postgraduate/ Graduates in Environmental Science/ Environmental Engineering/ Chemical Engineering/ Mechanical Engineering / Electrical Engineering with a professional experience of minimum Three (3) years.	Experience in conducting Environmental Compliance Assessments, Surveying, Environmental Footprint, Water Quality Monitoring, Knowledge of Environment studies and related fields, excellent communication skills are desirable.
4.	Wastewater Treatment Specialist (At least 04 no.)	Postgraduate/ Graduates in Environmental Science/ Chemical Engineering/ Environmental Engineering with a professional experience of minimum Three (3) years.	Experience in conducting Environmental Compliance Assessments, Surveying, Environmental Footprint, Wastewater Treatment and Quality Monitoring, Knowledge of Environment studies and related fields, excellent communication skills are desirable.
5.	Field / Lab Technician (At least 05 nos.)	Graduates in Environmental Science / Life Sciences / Chemistry with a professional experience of minimum Two (2) years.	On-site sampling, equipment setup and maintenance, and assisting engineers and scientists with data collection.

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Shri A.V. Patil
SRO, MPCB



Dr. V. R. Thakur
PSO, MPCB



Dr. V.M Motghare
JD (Air), MPCB



Shri Shankar Waghmare
JD (Water), MPCB

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