

Request for Proposal Document

For

Biodiversity Monitoring and Indexing of the rivers for 156 National Water Quality Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra.

For

Maharashtra Pollution Control Board



Maharashtra Pollution Control Board
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

MAHARASHTRA POLLUTION CONTROL BOARD

Kalpataru Point, 3rd and 4th floor,
Opp. PVR Cinema, Sion Circle,
Sion (E), Mumbai-400 022

Tel: 24010437/24020781/24014701, Fax: 24044533 / 24023515

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1. DISCLAIMER

1.1 Though adequate care has been taken in the preparation of this Request for Proposal Document, the Bidder should satisfy himself that the Document is complete in all respects. Intimation of discrepancy, if any, should be given to the below mentioned office latest by the date mentioned in Sec.5.7. If this office receives no intimation by the date mentioned in Section 5.7, it shall be deemed that the Bidder is satisfied that the *Request for Proposal* Document is complete in all respects.

Member Secretary
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd and 4th floor,
Opp. PVR Cinema, Sion Circle,
Sion (E), Mumbai-400 022
Ph: 022-24014701
Fax: 022-24024068
Email : jdwater@mpcb.gov.in

1.2 Neither **MPCB**, nor their employees or consultants make any representation or warranty as to the accuracy, reliability or completeness of the information in this RFP nor is it possible for **MPCB** to consider the financial situation and particular needs of each party who reads or uses this RFP. **MPCB** recognizes the fact that certain prospective Bidders may have a better knowledge of the Project than others and thus encourages all prospective Bidders to conduct their own investigations and analysis and check the accuracy, reliability and completeness of the information in this RFP and obtain independent advice from appropriate sources.

1.3 Neither **MPCB** nor their employees or consultants will have any liability to any prospective Bidder or any other person under the law of contract, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this RFP, any matter deemed to form part of this RFP, the award of the Project, the information and any other information supplied by or on behalf of **MPCB** or their employees, any consultants or otherwise arising in any way from the selection process for the Project.

1.4 **MPCB** reserves the right to reject any or all of the Bids submitted in response to this *Request for Proposal* at any stage without assigning any reasons whatsoever.

1.5 **MPCB** reserves the right to change any or all of the provisions of this *Request for Proposal*. Such changes would be intimated to all parties procuring this *Request for Proposal*.

2. LIST OF ABBREVIATIONS

| | |
|------|---|
| MPCB | Maharashtra Pollution Control Board |
| CPCB | Central Pollution Control Board |
| NWMP | National Water Quality Monitoring Programme |
| RO | Regional Office, MPCB |
| SRO | Sub-Regional Office, MPCB |
| HO | Head Office, MPCB |
| RFP | Request for Proposal |
| OEM | Original Equipment Manufacturer |
| PBG | Performance Bank Guarantee |
| LoA | Letter of Award |
| SLA | Service Level Agreement |
| IPR | Intellectual Property Rights |

3. DESCRIPTION

- The tender shall be submitted in two separate sealed envelope/ covers, duly completed in all respects viz. one for " technical bid ", the second for "price bid" as per section 5.3, 5.4, 7 and 8.
- The technical bid shall be complete in following: - a) Complete tender document as purchased from MPCB duly signed (each page) for acceptance of all terms and conditions. b) All the documents as mentioned above the tender document for fulfilling the eligibility criteria. c) Bid fees amounting. ₹10000/- (Rupees Ten thousand only) as per Annexure 5.
- For dates and final submission of tender as per outlined in Section 5.7 Schedule of Activities

3.1 BID

The bids submitted by the prospective Bidders in response to this Request for Proposal Document issued by **MPCB**.

3.2 BIDDER

Educational Institute / College / University / Research & Development Institute / Government / Semi Government Agency (CSIR / NABL / CPCB / MoEF&CC approved Lab with ISO 9001:2015 certification) that has submitted a Bid in response to this Request for Proposal Document. The company or R&D institute completed at least one or more similar type of project viz. not less than 25 Lakhs in the last 3 years.

3.3 PROJECT

To select an appropriate Service Provider (SP) for Biodiversity Monitoring and Indexing of the rivers and report the results for Saprobity Score Index and Diversity Score Index for 156 National Water Quality Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra, A list and addresses of these stations is given in Annexure – 1.

3.4 REQUEST FOR PROPOSAL

This Document being issued to the prospective Bidders, inviting their Bids.

3.5 RESPONSIVE BIDDER

Responsive Bidder is the bidder whose bid is found responsive after evaluation of the Bid as outlined in Section 5.2.

4. PROJECT CONCEPT & STRUCTURE

4.1 BACKGROUND

Maharashtra Pollution Control Board (MPCB) is an organization under the Department of Environment, Government of Maharashtra. Maharashtra Pollution Control Board is monitoring surface and ground water quality in Maharashtra under Central Pollution Control Board's (CPCB) "National Water Monitoring Programme" (NWMP) project. This monitoring activity is carried out as per the uniform monitoring protocol of CPCB. Under this programme, Board is monitoring water quality of surface and ground water at 250 locations.

Water quality data of all 250 locations is hosted on MPCB's Website and compiled data is submitted to CPCB.

In September 2018, CPCB analysed the water quality data under national water quality monitoring programme for the year 2016 and 2017 statistically and monitoring locations exceeding the water quality criteria have identified as polluted river stretches.

CPCB has considered BOD as a major driving parameter to decide the polluted river stretches.

The Hon'ble NGT Principal Bench had issued order on 20th Sept 2018 mentioning report of CPCB "More River Stretches are now critically polluted: CPCB". The report comprises 351 polluted river stretches in India out of that 53 polluted river stretches are in Maharashtra.

Maharashtra has 9 polluted river stretches in priority I,
6 polluted river stretches in priority II,
14 polluted river stretches in Priority III,
10 polluted river stretches in Priority IV and
14 polluted river stretches in Priority V.

As per Hon'ble NGT order, MPCB has submitted action plans of all polluted river stretches to CPCB & Hon'ble NGT. All the action plans are to be implemented within 2 years with effect from 01-04-2019 by Maharashtra state so as to achieve desired water quality goals.

In view of the above, Central Pollution Control Board, New Delhi has directed to launch programme relating to Biodiversity monitoring and indexing of the rivers within Maharashtra to assess the efficacy of river cleaning programme as indicated in the primary water quality criteria for bathing waters.

4.2 Polluted River Stretches

The polluted locations in a continuous sequence are defined as polluted river stretches and categorized in five priority classes based on BOD concentration exceeding the BOD levels >30 mg/l - as Priority I stretches,
BOD between 20 to 30 mg/l - as Priority II stretches,
BOD between 10 to 20 mg/l - as Priority III stretches,
BOD between 6 to 10 mg/l - as Priority IV stretches and
BOD between 3 to 6 mg/l- as Priority V stretches.

4.3 PROJECT SYNOPSIS

The successful bidder (Service Provider Agency) will be required to monitor, sample, analyse for river/dam water Biodiversity for 156 National Water Quality Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra.

The Service Provider Agency will be required to carry out the activities as mentioned in the scope of work defined in Annexure - 2. These activities will have to be carried out by the bidder in the identified NWMP locations Annexure - 1.

The Monitoring, Sampling and Analysis will be carried out by the bidder as per the following schedule

| Season | Period of Monitoring | Target Date of Report submission |
|--------------|----------------------|----------------------------------|
| Pre-monsoon | March - May | 31 st July |
| Post-monsoon | October to December | 31 st March |

4.4 OBJECTIVE OF THE RFP

The objective of this RFP is to find a suitable Service Provider Agency having the requisite experience, resources and capabilities to Monitor, Sample, Analyze for Surface Water / Dam Water of 156 National Water Quality Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra.

Successful bidder (called as the Service Provider - SP) would be awarded the project under Contract / Work Order as per Project Synopsis mentioned above and scope defined in Annexure - 2 for the areas mentioned in Annexure - 1.

4.5 CONTRACT PERIOD

The successful bidder will be awarded the contract which will commence from the date of the LoA or signing of the contract, whichever is earlier. The total term of the contract will be **ONE (1) year**. The Board will review the performance of the Service Provider for the region on monthly basis and continue the same only if the performance of service Provider is found to be satisfactory. The Board reserves the right to terminate the contract on account of Service Provider's poor performance at any time during the contract.

5. DESCRIPTION OF THE SELECTION PROCESS

5.1 SUBMISSION OF BIDS

The submission of Bids by interested bidders in response to the Request for Proposal should be through e-Tender system only as mentioned in Annexure 5. The Bids shall be submitted online in two parts as mentioned below:

- Envelope 1 / Cover 1: Technical Bid
- Envelope 2 / Cover 2: Price Bid.

5.2 RESPONSIVENESS OF BID

The Bids submitted by Bidders shall be initially scrutinized to establish "Responsiveness". A Bid may be deemed "Non-responsive" if it does not satisfy any of the following conditions:

1. It is not received / submitted by the due time & date specified in the section 5.7
2. It does not include EMD as stipulated in the RFP
3. It does not include sufficient information for it to be evaluated and/or is not in the formats specified.
4. It is not signed and / or submitted in the manner and to the extent indicated in Section 6 of this RFP Document.
5. It does not conform to the terms and conditions mentioned in the RFP.

The Bids of Responsive Bidders shall be evaluated in the following two steps.

5.3 STEP 1 (COVER 1) – TECHNICAL BID EVALUATION

In the first step, MPCB will evaluate the information submitted by the Bidder in Cover 1 of the Bid. Bids of only the responsive Bidders shall be considered for the subsequent technical evaluation. The evaluation criteria for assessment of the Technical Bid are described in Section-7.4.1. MPCB, on a written demand, will not open, the Cover 2 of the Bid, viz: the Price Bid, of the Bidders whose Bids are not responsive.

5.4 STEP 2 (COVER 2) – PRICE BID AND PRICE BID EVALUATION

The Price Bid would seek to identify the Bidder making the most competitive price offer to MPCB. The evaluation criteria for assessment of the Price Bid are described in Section -9. The format for the Price Bid is specified in Annexure - 4

A ranked list of Bidders based on the results of the evaluation, as detailed in Section - 8 of this Document, would be presented. The top ranked Bidder will be designated the Successful Bidder. MPCB is not bound to award a LoA to the lowest price bidder.

5.5 AWARD OF LoA

Successful Bidder/s would be given a Letter of Award (LoA) stipulating the conditions under which the bid has been qualified as the Successful Bid.

5.6 SIGNING OF ORDER ACCEPTANCE

The Successful Bidder would sign a copy of the Purchase / Work Order as a token of acceptance of the same.

5.7 SCHEDULE OF ACTIVITIES

| Sr. No. | ACTIVITY | Date |
|----------------|--|---|
| 1. | Date of Start of Sale of RFP document | 06th January, 2020 |
| 2. | Date of End of Sale of RFP document | 13th January, 2020 |
| 3. | Last date for receipt of requests for clarifications | 13th January, 2020 15:00 Hrs. |
| 4. | Pre-bid Conference | 15th January, 2020 15:00 Hrs. |
| 5. | Last date & time for receipt of e- Bids (Covers 1 & 2) / Bid Preparation | 20th January, 2020 17:00 Hrs. |
| 6. | Time and Date of Opening of Cover-1 | 24th January, 2020 11:30 Hrs. |
| 7. | Presentation by the bidders on their project implementation and support methodology with proposed schedule of activities | To be announced |

In order to enable MPCB to meet the target dates, Bidders are expected to respond expeditiously to clarifications, if any, requested during the evaluation process. MPCB shall adhere to the above schedule to the extent possible. MPCB, however, reserves the right to modify the same. Intimation to this effect shall be given to all Bidders.

6. PROCEDURES TO BE FOLLOWED

6.1. ENQUIRIES & CLARIFICATIONS

Enquiries, if any, should be addressed to:

Member Secretary
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd and 4th floor,
Opp. PVR Cinema, Sion Circle,
Sion (E), Mumbai-400 022
Ph: 022-24014701 Fax: 022-24024068
Email: jdwater@mpcb.gov.in

All queries that are received on or before the date mentioned in Section 5.7 shall be addressed by MPCB in writing. MPCB shall aggregate all such queries, without specifying the source and shall prepare a response, which shall be distributed to all parties who have procured the Request for Proposal Document. It may be noted that queries in writing would be entertained only from those parties who have procured this Document.

Request for clarifications received from prospective bidders who have not paid the fee for the RFP document as defined in 6.6.1, will not be answered. Such bidders will not be allowed to attend the pre bid meeting and also to bid.

Request for clarifications received after the last date mentioned in Section 5.7, may not be addressed. Decision of the Board in the matter will be final.

The prospective Bidders shall submit the queries only in the format given below:

| Sr. No | RFP Page No | RFP Clause No | Description in RFP | Clarification Sought | Additional Remark (if any) |
|---------------|--------------------|----------------------|---------------------------|-----------------------------|-----------------------------------|
| | | | | | |
| | | | | | |

6.2. SUBMISSION OF THE BID

1. Cover 1 – Technical Bid
The information to be submitted by the Bidders as Cover 1 of their Bids is described in Section 7 and Annexure 5.
2. Cover 2 – Price Bid
The Information to be submitted by the Bidders in the Price Bid (Cover 2) is described in Section 8 and Annexure 5.
3. Submission of the Bid
4. The Bidders are requested to follow the Bid submission process which is detailed in Annexure 5 as per the schedule elaborated in Section 5.7 and Annexure 5.

MPCB shall not be responsible for any delay in submission of the Bids. Any Bid received by MPCB after the due date for submission of the Bids stipulated in Section 5.7 and Annexure 5, will not be opened.

6.3. INITIALING OF THE BIDS

NOT APPLICABLE FOR e-tenders

6.4. INSTRUCTIONS TO BIDDERS

All Bidders should note the following:

1. The Bidder has to bid for all the locations/stretches. Bids for selective regions will be rejected.
2. Bids received after the scheduled time will not be accepted by MPCB under any circumstances. MPCB will not be responsible for any delay in online submission for any reason whatsoever.
3. Bid once submitted will be treated, as final and no further correspondence will be entertained on this. No Bids will be modified after the deadline for submission of Bids.
4. Bids that are incomplete in any respect or those that are not consistent with the requirements as specified in this *Request for Proposal* or those that do not contain the Covering Letter and other documentation as per the specified formats may be considered non-responsive and may be liable for rejection.
5. Strict adherence to formats, wherever specified, is required. Non-adherence to formats may be a ground for declaring the Bid non-responsive.
6. All communication and information should be provided in writing and in the English language only.
7. The metric system shall be followed for units.
8. The price quotations for the bid should be denominated in Indian Rupees.
9. All communication and information provided should be legible, and wherever the information is given in figures, the same should also be mentioned in words.
10. Arithmetical errors will be rectified as follows –
 - a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying quantities, the unit price will prevail
 - b. In case of discrepancy between grand total obtained by adding various line item totals & the grand amount stated in words, the grand total will be recalculated and the same will be taken as correct.
 - c. The price bid will be treated as inconsistent & non-responsive, in case if more than one type of discrepancy is observed in the price bid. Such price bid/s will be rejected summarily and considered as intentional misrepresentation and the EMD will be forfeited.
11. MPCB reserves the right to seek additional information from the Bidders, if found necessary,

during the course of evaluation of the Bid. Non-submission, incomplete submission or delayed submission of such additional information or clarifications sought by MPCB, may be a ground for rejecting the Bid.

12. The Bids shall be evaluated as per the criteria specified in this RFP Document. However, within the broad framework of the evaluation parameters as stated in this Request for Proposal, MPCB reserves the right to make modifications to the stated evaluation criteria, which would be uniformly applied across all the Bidders.
13. The Bidder should designate one person (“Contact Person” and “Authorized Representative and Signatory”) authorized to represent the Bidder in its dealings with MPCB. The Acknowledgement of Receipt of Request for Proposal Document shall be signed by the “Contact Person” and “Authorized Representative and Signatory”. This designated person should hold the Power of Attorney and be authorized to perform all tasks including but not limited to providing information, responding to enquiries, entering into contractual commitments on behalf of the Bidder etc. The Covering Letter submitted by the Bidder shall be signed by the Authorized Signatory and shall bear the stamp of the entity thereof.
14. The Bid (and any additional information requested subsequently) shall also bear the initials of the Authorized Signatory and stamp of the entity thereof on each page of the Bid.
15. MPCB reserves the right to reject any or all of the Bids without assigning any reason whatsoever
16. Conditional bids may be summarily rejected.
17. Mere submission of information does not entitle the Bidder to meet an eligibility criterion. MPCB reserves the right to vet and verify any or all information submitted by the Bidder.
18. If any claim made or information provided by the Bidder in the Bid or any information provided by the Bidder in response to any subsequent query by MPCB, is found to be incorrect or is a material misrepresentation of facts, then the Bid will be liable for rejection and the Bid Security will be forfeited. Mere clerical errors or bonafide mistakes may be treated as an exception at the sole discretion of MPCB and if MPCB is adequately satisfied.
19. The Bidder shall be responsible for all the costs associated with the preparation of the Bid. MPCB shall not be responsible in any way for such costs, regardless of the conduct or outcome of this process.
20. MPCB may, at its discretion, extend this deadline for submission of Bids by amending the RFP which will be intimated through MPCB website, in which case all rights and obligations of MPCB and bidder will thereafter be subject to the deadline as extended.
21. Bids received from the bidders will be considered as deemed acceptance by the bidder of all the terms, conditions, scope and formats mentioned in the RFP. Clarifications, suggestions, if any, should be sought / given during the pre-bid conference.

6.5. VALIDITY OF THE PRICE BID

Each Bid shall indicate that it is a firm and irrevocable offer, and shall remain valid and open for a period of not less than 180 days.

Non-adherence to this requirement and other terms stipulated in the RFP document may be a ground for declaring the Bid as non-responsive. However, MPCB may solicit the Bidder's consent for extension of the period of validity if the Bidder agrees to reasonably consider such a request. The request and response shall be in writing. A Bidder accepting MPCB's request for extension of validity shall not be permitted to modify his Bid in any other respect.

6.6. FEES AND DEPOSITS TO BE PAID BY THE BIDDERS

6.6.1. Fees for Request for Proposal (RFP) document

The RFP can be purchased by making a payment (non-refundable) of **₹10,000 (Rupees Ten Thousand only)** through online payment. Please refer Annexure 5 of this document for the payment methodology.

It is mandatory for the bidders to display the proof of purchase of the RFP document to attend the pre-bid meeting. Prospective bidder failing to pay the fee for the RFP during the sale of RFP document will neither be allowed to attend the pre-bid meeting nor will his bid be accepted.

6.6.2. Earnest Money Deposit (EMD)

Bidders are required to submit Earnest Money deposit (EMD) for an amount of **₹5,00,000.00 (Rupees Five Lakh Only)**. Please refer Annexure 5 for the payment of the same. Bids of the bidders who have not paid the EMD as stipulated in this RFP, will be rejected by MPCB as non-responsive. No exemptions to this clause will be allowed.

MPCB shall reserve the right to forfeit the Bidder's EMD under the following circumstances:

1. If the Bidder withdraws his Bid at any time during the stipulated period of Bid validity as per Section 8.1 (or as may be extended).
2. If the Bidder, for the period of Bid validity:
 - i) in MPCB's opinion, commits a material breach of any of the terms and / or conditions contained in the RFP Document and / or subsequent communication from MPCB in this regard and / or
 - ii) Fails or refuses to execute the LoA (in the event of the award of the Project to it) and/or
 - iii) Fails or refuses to furnish the Service Performance Guarantee within the stipulated time
3. Any claim made or information provided by the Bidder in the Bid or any information provided by the Bidder in response to any subsequent query by MPCB, is found to be incorrect or is a material misrepresentation of facts

In the event that any Bid is non-responsive or rejected after technical evaluation, the EMD of such Bidders shall be refunded.

In respect of the bids after Technical Evaluation and eligible for price bid evaluation, the EMD of the unsuccessful Bidders (after opening of Cover 2) can cease to be in force after 60 days following the announcement of award of the contract to the Successful Bidder through the issue of the LoA for the same. The EMD of the successful Bidder will be returned only on submission of PBG that Successful Bidder will provide at the time of signing Order acceptance & the SLA. EMD of the unsuccessful bidders will be returned after 60 days of award of contract.

7. SUBMISSION OF TECHNICAL BID: COVER - 1

7.1. CRITERIA FOR MINIMUM ELIGIBILITY AND BID RESPONSIVENESS:

The Bidder shall fulfill the all following Minimum Eligibility Criteria to participate in the bidding process. The Bidder should provide necessary documentary evidences of compliance as follows. Failure to do so for any of the Criteria mentioned below shall result in disqualification of the Bidder.

1. The Bidder should be Educational Institute / College / University / Research & Development Institute / Government / Semi Government Agency whose branch or office should be in Maharashtra.
2. The bidder should have Laboratory set up in Maharashtra for analyzing all environmental parameters.
3. The bidder should have expertise / knowledge / skills in the field for monitoring of Biological / Ecological parameters.
4. The Bidder should have past experience of rendering services with respect to Environment sustainability, research and assessment of impact due to pollution on Environment.
5. The bidder should have executed at least ONE (1) order for Surface water monitoring / R & D related projects of Industries / Environmental monitoring / providing solution etc. in the financial year ending 31st March 2019.
6. The bidder should have Technical Capability Executing Projects and CSR with respect to Ecology and Biodiversity.
7. The Bidder should have sufficient Technical resources in the field of Environment monitoring and provide documents with proof.
8. The Bidder should have Recognition under CSIR / NABL / CPCB / MoEF&CC Environment monitoring.

7.2. COVER 1: INFORMATION FORMATS

Bidders are required to submit documents as per the following checklist –

| Cover 1 | Compliance to Minimum Eligibility Criteria and Technical Bid |
|---------|---|
| PART 1 | Covering Letter as per the format specified in EXHIBIT 1 Attested copy of Power of Attorney Original Receipt of fees for RFP issued by MPCB as per section 6.6.1 EMD as per section 6.6.2 Certificate of incorporation / registration and Service Tax registration certificate Copy of certificates in compliance with clause 7.1 (2), 7.1 (3) and 7.1(4) Copies of orders in compliance section 7.1 (5) |
| PART 2 | Documentary Proofs as testimony for Evaluation of Technical bids as per criteria listed in Section 7.4.1 Technical proposal highlighting Company profile Proposed methodology to undertake the monitoring assignment Resources proposed to be deployed for MPCB with their skill sets and deployment plan (roles) for MPCB. CVs are to be attached Samples of templates to be used for reporting c) Details of the laboratory setup with facilities and equipment available |

7.3 TECHNICAL BID - COVER 1

The Cover 1 submission will also include Technical Bid of the bidder.

1. The technical bid should be in line with the requirements of MPCB and the SLA proposed by MPCB in Annexure 3
2. The bid should explain proposed methodology for undertaking the project as envisaged in the RFP document.
3. The bid should also explain the resource (manpower, spares, etc.) deployment plan, with candidates proposed. Proposed organization structure for MPCB support with escalation matrix needs to be given. CVs of the candidates for various roles should be given.
4. The bid should have all relevant testimonials.

7.4 TECHNICAL BID: EVALUATION CRITERIA & PROCESS

The Bidder shall necessarily submit in Cover 1 of the Bid Document, the Technical Bid detailing his credentials for executing this project and the highlights of the services proposed with respect to scope of work defined in the Bid Document and the benefits that would accrue to MPCB. The Screening Committee appointed for this purpose will do this evaluation. The Technical Bid will contain all the information required to evaluate the bidder's suitability to MPCB for the purpose of this project.

The guidelines for evaluation have been designed to facilitate the objective evaluation of the Technical Bid submitted by the bidder. The information furnished by the bidders in the technical

bid shall be the basis for this evaluation. In case any of the information is not made available, the Committee will not consider the Bid for evaluation and treat as non-responsive.

While evaluating the Technical Bid, MPCB reserves the right to seek clarifications from the Bidders. Bidders shall be required to furnish such clarifications in a timely manner.

MPCB also reserves the right to seek additions, modifications and other changes to the submitted Bid. Bidders shall be required to furnish such additions / modifications / other changes in a timely manner.

7.4.1. Evaluation of Technical Bid

The technical evaluation of the bidders will be done based on the eligibility criteria as specified at Clause No. 7.1

7.5 PRESENTATION BY BIDDERS

MPCB shall invite the Bidders to make a presentation, at their own cost and expenses, for their execution methodology. The schedule for the presentation along with date and time slot will be communicated to the bidder/s, by MPCB at a later date. The presentation has to be given by the proposed Project Manager for the assignment to estimate Bidders capability.

8. EVALUATION OF PRICE BID: COVER - 2

8.1 PRICE BID PARAMETERS

Bidders are required to offer their best prices for the services only in the format of the price bid given at Annexure-4 of this RFP document through e-Tender procedure explained in Annexure 5. Price offer in any other format will lead to rejection of the bid and disqualification of the bidder from the evaluation process.

8.2 EVALUATION OF PRICE BIDS AND RANKING

The price bids of only technically successful bidders whose technical Bids have been selected by the Committee will be opened.

The responsive Bidders will be ranked in descending order based on lowest price quoted for this Tender.

8.3 NOTIFICATION OF AWARD

After selection of the Successful Bidder and after obtaining internal approvals, MPCB will issue Letter of Award (LoA) or Work Order to the Successful Bidder.

Upon the Successful Bidder accepting the LoA / Work Order, MPCB will sign a services contract with the service provider. Upon Successful Bidder signing the contract and furnishing the requisite guarantees, MPCB will promptly notify each unsuccessful Bidder and will discharge all remaining EMDs, if any.

9. PAYMENT TERMS

9.1 The Price Bid should be valid for a minimum period of 365 days from the last date of submission of bids

9.2 Following payment terms will be offered to the successful Bidder:

1. Within 15 days of MPCB issuing the LoA, the Successful bidder/s will sign the Contract. The successful bidder at its cost, charges and expenses will submit a PBG for an amount equivalent to 10% of the value of the contract in favour of MPCB at the time of signing of the contract. The PBG shall be in the form of a guarantee of a Nationalized Bank acceptable to MPCB and shall be valid till the end of 12 months from the date of issuance. Every three months 15% expense bill will be raised as per work completion. The rates shall remain fixed & firm during the period of Contract and no payment on account of inflation/price escalation shall be admissible.
2. The bidder shall submit interim three monthly 15% bills inclusive of taxes to the Authority in the first week of every three months for the services provided by him during the preceding month under this contract along with following documents – (i) Attendance sheet of the personnel deployed during the preceding month dully signed and verified by the bidder and counter signed by the Authority.

3. The Authority shall certify the amount to which the bidder is considered entitled by way of interim payment of the services provided under this contract and process the same for release of monthly payment to the bidder.
4. MPCB will release the payment to the Service Provider upon satisfactory completion of all the contractual obligation including submission of the report for each of the season / cycle, i.e. Pre-monsoon / post-monsoon of the year. The amount to be paid will be based on the rates quoted for respective periods. The payments will be released after deduction of penalties, if any.
5. All payments will be made vide a crossed cheque payable in Mumbai, within 30 days of submission of invoice and after due scrutiny of the performance reports by MPCB or their appointed consultant and after deduction of penalties, if any.

10. INDEMNIFICATION

The bidder hereby agrees and undertakes that, during the Term of the Contract, it shall indemnify and keep indemnified and otherwise save harmless, MPCB from any third party suits instituted against MPCB which are proved to be because of a direct consequence of the installation and / or use of equipment & services provided by the successful bidder.

The Successful Bidder shall indemnify MPCB against all losses and claims in respect of death or injury to any of their personnel, which may arise out of or in consequence of the execution of the project and remedying of any defects therein, and against all claims, proceedings, damages, costs whatsoever in respect thereof or in relation thereto

11. INTELLECTUAL PROPERTY RIGHTS (IPR)

All rights, title and interest of MPCB in and to the trade names, trademark, service marks, logos, products, copy rights and other intellectual property rights shall remain the exclusive property of MPCB and the service provider shall not be entitled to use the same without the express prior written consent of MPCB. Nothing in contract including any discoveries, improvements or inventions made upon with/by the use of the service provider or its respectively employed resources pursuant to contract shall neither vest nor shall be construed so that to vest any proprietary rights to the service provider. Any development and or enhancements to the application software or reporting tools which may be developed as a part of contract, will remain to be property of MPCB and the Service Provider will have no rights whatsoever on the same in terms of royalties or any other fees up on termination of this contract. The Service Provider shall handover all the source code, tools, flow-charts and any other material developed during the contract to MPCB up on termination of the contract. Notwithstanding, anything contained in Contract, this clause shall survive indefinitely, even after termination of the Work Order.

12. SAFETY CODE

The Service Provider shall observe all necessary precautions for the safety of their staff. Sampling equipment and samples collected as per safety code and rules in force.

13. COMPLIANCE WITH STATUTE, REGULATIONS

The Service Provider shall conform in all respects, including by the giving of all notices and paying of all fees in accordance with the provisions of any Central or State Statute, Ordinance or other Law, or any regulation, or bye-law of any local or other duly constituted authority in relation to the execution of the contract.

14. ASSIGNABILITY

The successful bidder will not assign its rights, title or interest in the contract in favour of any third party without prior written consent of MPCB. MPCB reserves its rights to grant such consent on such terms and conditions, as it deems fits and proper. MPCB's decision to grant such consent or refusal to grant such consent shall be final.

15. CONFIDENTIALITY

Successful Bidder shall hold data and information about MPCB, obtained during the execution of its responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of MPCB.

Successful Bidder and MPCB shall maintain in confidence any information relating to the terms and conditions of this contract, information received from each other hereto in connection with this contract as well as the business operations and affairs of MPCB or the successful bidder and their affiliates and shall not provide access to such information to any third party. This obligation shall expire 2 years after completion of the contract.

16. NON-SOLICITATION

Successful Bidder and MPCB agree not to recruit, hire, Engage or Attempt to Recruit, Hire or Engage, discuss employment with, or otherwise utilize the services in any capacity, of any person who shall have been associated with this project on behalf of the other party at any time during the term of the contract (and within Eighteen Months of expiry of the contract); or induce any such person of the other party at any time during the term of the contract (and within Eighteen Months of the Expiry of the contract), to terminate his/her relationship with such other party; unless otherwise mutually agreed to between the contracting parties

17. CORRUPT & FRAUDULENT PRACTICES

MPCB requires that the bidder under this RFP document maintains highest standards of ethics during procurement and execution of this project. In pursuance of this policy the board defines the terms set forth as follows

“Corrupt practice” means offering, giving, receiving or soliciting of anything of value to influence the action or decision making of public official in the procurement process or execution of the project.

“fraudulent practice” means misrepresentation of facts in order to influence the action or decision making of public official in the procurement process or execution of the project to the detriment of the board, and includes collusive practice among bidders (prior to or after bid submission) designed

to establish bid prices at artificial non-competitive levels and to deprive the board the benefits of free & open competition.

If it is determined that bidder / s are engaged in corrupt & fraudulent practices their bid/s will be rejected and also will be declared ineligible for indefinite period or a stated period to time to participate in any future RFP floated by MPCB.

18. TERMINATION OF CONTRACT

18.1 Termination for Default

MPCB without prejudice to any other remedy available for breach of Contract may terminate the Agreement in whole or in part, by a 30 days' notice in writing to the Service Provider for any one or all of the following. On such termination, in addition to any other remedy available under the contract the EMD, Implementation/ performance Security will be liable for forfeiture.

1. If the Service Provider fails to execute the work up to the minimum assurance quality as per the scope of the work or
2. If the Service Provider fails to provide all or any of the Contracted services as per SLA specified in the Agreement or
3. If the Service Provider is found to be violating any of the provisions mentioned in clause 16 and clause 21 of this RFP or
4. If the Service Provider in the judgment of MPCB has engaged in corrupt, fraudulent practices, MPCB shall afford an opportunity to the Service Provider to represent his case before termination of the agreement.
5. MPCB shall issue a notice explaining the nature of violations committed by the facilitator and / or afford an opportunity to the Facilitator to represent his case before termination of the agreement.
6. In the event MPCB terminates the Agreement in whole or in part, MPCB may procure upon such terms and in such manner as it deems appropriate service similar to those undelivered and the Service Provider shall be liable to pay to MPCB for any excess costs occurred for procuring such similar services.

However the Service Provider shall continue to perform the agreement to the extent not terminated.

18.2 Termination for Insolvency

If the Service Provider becomes bankrupt of otherwise insolvent, MPCB may terminate the Contract by giving written notice of 30 days to the Service Provider. In this event, termination of the contract will be without compensation to the Service Provider, provided that such termination shall not prejudice any right to action or remedy available to the MPCB which is provided in the RFP document.

18.3 Termination for Convenience

MPCB may by written notice to the Service Provider terminate the Contract in whole or in part at any time for its convenience and the extent to which performance of the Service Provider under the Contract is completed. In such event the MPCB may elect to pay to the Service Provider a mutually agreed amount for partially completed services, within 30days from the date of termination of contract.

19. FORCE MAJEURE

Notwithstanding the provisions of the RFP, the service provider or MPCB shall not be liable for penalty or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure. For purposes of this clause, "Force Majeure" means an event beyond the control of the service provider and not involving MPCB or Service Provider's fault or negligence and not foreseeable. Such events may include, but not restricted to wars, revolutions, epidemics, natural disasters etc.

If force majeure situation arises, the service provider shall promptly notify MPCB in writing of such condition and cause thereof. Unless otherwise directed by MPCB in writing, the service provider shall continue to perform its obligations under contract as far as possible.

20. SERVICE PROVIDER'S LIABILITY

The selected service provider will be liable for all the deliverables.

The Service Provider's aggregate liability in connection with obligations undertaken as part of the project regardless of the form or nature of the action giving rise to such liability (whether in contract, tort or otherwise), shall be at actual and limited to the value of the contract.

Indemnity would be limited to court awarded damages and shall exclude indirect, consequential and incidental damages. However indemnity would cover damages, loss or liabilities, compensation suffered by MPCB arising out of claims made by its customers and/or regulatory authorities

21. ARBITRATION

All disputes, differences, claims and demands arising under or pursuant to or touching this document shall be settled by arbitration of sole arbitrator to be appointed by both the parties and failing such agreement, by two arbitrators, one to be appointed by each party to disputes. All arbitrations shall be held at Mumbai location.

22. LEGAL JURISDICTION

All legal disputes are subject to jurisdiction of Mumbai courts only.

23. EXHIBIT – 1

FORMAT OF THE COVERING LETTER

(The covering letter is to be submitted by the Bidder on Company Letterhead along with the Cover 1 of the Bid)

Date:

Place:

To,
Member Secretary
Maharashtra Pollution Control Board
Kalpataru Point, 3rd floor,
Opp. Cine Planet Cinema, Sion Circle,
Sion (E), Mumbai – 22

Dear Sir,

Sub: Selection of Service Provider for Biodiversity Monitoring and Indexing of the rivers for 156 National Water Quality Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra

Please find enclosed our Bid for “Selection of Service Provider for Biodiversity Monitoring and Indexing of the rivers for 156 National Water Quality Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra” in response to the Request for Proposal (RFP) Document issued by MPCB dated

We hereby confirm the following:

1. The Bid is being submitted by *<name of the Bidder>* who is the Bidder in accordance with the conditions stipulated in the RFP.
2. We have examined in detail and have understood the terms and conditions stipulated in the RFP Document issued by **MPCB** and in any subsequent communication sent by **MPCB**. We agree and undertake to abide by all these terms and conditions. Our Bid is consistent with all the requirements of submission as stated in the RFP or in any of the subsequent communications from **MPCB**.
3. We have enclosed the EMD as per the RFP terms.
4. The information submitted in our Bid is complete, is strictly as per the requirements as stipulated in the RFP, and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.
5. We as the Bidder (Please strike out whichever is not applicable), designate Mr. /Ms. (mention name, designation, contact address, phone no., fax no., etc.), as our Authorized Representative and Signatory who is authorized to perform all tasks including, but not limited to providing information, responding to enquiries, entering into contractual commitments etc. on behalf of us in respect of the Project.

For and on behalf of:

Signature:

(Authorized Representative and Signatory)

Name & Designation of the Person:

24. EXHIBIT – 2

FORMAT FOR COVERING LETTER SUBMISSION- WITH PRICE BID
(Cover letter on Company Letterhead. Format of Price Bid is given in Annexure - 4)

Date:

Place:

To,
Member Secretary
Maharashtra Pollution Control Board Kalpataru
Point, 3rd floor,
Opp. Cine Planet Cinema, Sion Circle,
Sion (E), Mumbai – 400 022

Dear Sir,

Sub: Selection of Service Provider for Biodiversity Monitoring and Indexing of the rivers for 156 National Water Quality Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra

As a part of the Bid, we hereby make the following price offer to the MPCB.

The cost of the services to be provided as per the requirements stipulated in this RFP is as per Annexure 4.

The price quoted is for the contract period of ONR (1) year.

We agree to bind by this offer if we are selected as the Successful Bidder.

For and on behalf of:

Signature (Authorized Representative and Signatory of the Bidder):

Name of the Person:

Designation:

25. ANNEXURE – 1

LIST OF LOCATIONS

The sampling and testing for the Biodiversity defined have to be undertaken at the following 156 locations

NWMP STATION DETAILS SURFACE WATER

| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|--|-------------|-------------|
| 1 | 11 | Wainganga River at Ashti, Village- Ashti, Taluka- Gondpipri, District-Chandrapur. | 19°10.643' | 79°47.140 ' |
| 2 | 12 | Godavari River at Dhalegaon, Village- Dhalegaon, Taluka- Pathari, District- Parbhani. | 19°13.524' | 76°21.854' |
| 3 | 28 | Bhima River at Takli near Karnataka border, Village- Takali, Taluka- South Solapur, District- Solapur. | 17°24.910' | 75°50.766 ' |
| 4 | 36 | Krishna River at Krishna bridge, (Krishna River at NH-4 bridge) Village- Karad, Taluka- Karad, District- Satara. | 17°17.690' | 74°11.321' |
| 5 | 37 | Krishna River at Maighat, Village- Gawali gally, Taluka- Miraj, District- Sangli. | 16°51.710' | 74°33.459 ' |
| 6 | 1913 | Purna River at Dhupeshwar at U/s of Malkapur water works, Village- Malkapur, Taluka- Akola, District- Akola. | 21° 00' | 77° 13' |
| 7 | 2155 | Purna River at D/s of confluence of Morna and Purna, at Andura Village, Village- Andura, Taluka- Balapur, District- Akola. | 20°53.200' | 76°51.364' |
| 8 | 2695 | Pedhi River near road bridge at Dadhi- Pedhi village, Village- Dadhi- Pedhi, Taluka- Bhatkuli, District- Amravati. | 20° 49.532' | 77° 33.783' |
| 9 | 2675 | Morna River at D/s of Railway bridge, Village- Akola, Taluka- Akola, District- Akola. | 20° 09.016' | 77° 33.622' |
| 10 | 2699 | Penganga River at Mehkar- Buldana road bridge, Village- Mehkar, Taluka- Mehkar, District- Buldana. | 20° 09.010' | 76° 33.625' |
| 11 | 2700 | Purna River near Achalpur- Amravati road bridge, Asegaon, Village- Asegaon, Taluka- Chandur Bazar, District- Amravati. | 20° 54.396' | 77° 36.817' |
| 12 | 1209 | Godavari River at Raheer, Village-Raheer, Taluka- Nayagaon, District- Nanded. | 18°53.781' | 77°40.660' |
| 13 | 1210 | Godavari River near Intake water pump house, Village- Vishnupuri, Taluka- Nanded, District- Nanded. | 19°07.611' | 77°16.763' |
| 14 | 2157 | Godavari River at Latur water intake near Pump house. Village- Dhamegaon, Taluka- Kalumb, District- Osmanabad. | 18°33.243' | 76°08.899' |

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| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|---|-------------|-------------|
| 15 | 2673 | Manjra River at D/s of Latur, near Latur-Nanded bridge, Village- Bhatkheda, Taluka- Latur, District- Latur. | 18° 25.826' | 76° 40.253' |
| 16 | 2161 | Godavari River at Jalna Intake water pump house, Village- Shahabad, Taluka- Ambad, District- Jalna. | 19°21.392' | 75°42.870' |
| 17 | 2657 | Bindusara River at Beed, near intake water pump house at Dam, Village- Paligaon, Taluka- Beed, District- Beed. | 18° 54.922' | 75° 44.236' |
| 18 | 1312 | Godavari River at Jaikwadi Dam, Village- Paithan, Taluka- Paithan, District- Aurangabad. | 19°29.263' | 75°22.272' |
| 19 | 2158 | Godavari River at U/s of Paithan at Paithan intake pump house, Village- Jayakwadi, Taluka- Paithan, District- Aurangabad. | 19°30.887' | 75°22.457' |
| 20 | 2159 | Godavari River at D/s of Paithan at Pathegaon bridge, Village- Pathegaon, Taluka- Paithan, District- Aurangabad. | 19°28.835' | 75°23.835' |
| 21 | 2160 | Godavari River at U/s of Aurangabad Reservoir, Kaigaon Tokka near Kaigaon bridge, Village- Kaigaon, Taluka- Gangapur, District- Aurangabad. | 19°37.463' | 75°01.490' |
| 22 | 2156 | Wardha River at confluence point of Penganga & Wardha. Village- Jugad, Taluka- Wani, District- Yavatmal. | 19°53.943' | 79°08.911' |
| 23 | 2174 | Wardha River at D/s of ACC Ltd. Ghuggus near WCL pump house, Village- Ghuggus, Taluka- Chandrapur, District- Chandrapur. | 19°54.291' | 79°06.894' |
| 24 | 2175 | Wainganga River at U/s of Gaurav Paper Mills, near jackwell, Village- Bramhpuri, Taluka- Chandrapur, District- Chandrapur. | 20°37.169' | 79°51.408' |
| 25 | 2176 | Wainganga River at D/s of Gaurav Paper Mills, near jackwell, Village- Bramhpuri, Taluka- Chandrapur, District- Chandrapur. | 20°37.169' | 79°56.408' |
| 26 | 2697 | Penganga River near water supply scheme of Umarched M.C., Village- Belkhed, Taluka- Umarched, District- Yavatmal. | 20° 23.559' | 78° 07.934' |
| 27 | 2698 | Penganga River D/s of Isapur Dam, Village- Isapur, Taluka- Pusad, District- Yavatmal. | 20° 23.559' | 78° 07.934' |
| 28 | 2719 | Wardha River at D/s of Erai River at Hadasti near Arun Engg. Works, Village- Hadasti, Taluka- Chandrapur, District- Chandrapur. | 19° 59.433' | 79° 15.754' |
| 29 | 2720 | Wardha River at U/s of Erai River at Hadasti near Arun Engg. Works, Village- Hadasti, Taluka- Chandrapur, District- Chandrapur. | 19° 59.263' | 79° 06.907' |
| 30 | 2721 | Wardha River at U/s of ACC Ltd. Ghuggus | 19° 54.336' | 79° 06.894' |

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| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|---|-------------|-------------|
| | | near WCL pump house, Village- Ghuggus, Taluka- Chandrapur, District- Chandrapur. | | |
| 31 | 1212 | Wardha River at Rajura bridge, Village- Rajura, Taluka- Chandrapur, District- Chandrapur. | 19° 48' | 79° 23' |
| 32 | 1092 | Kalu River at Atale village, Village- Atale, Taluka- Kalyan, District- Thane. | 19° 27' | 73° 10' |
| 33 | 1093 | Ulhas River at U/s of NRC Bund, Village- Mohane, Taluka- Kalyan, District- Thane. | 19° 15' | 73° 15' |
| 34 | 1094 | Ulhas River at U/s of Badlapur water works, Village- Kulgaon, Taluka- Ambernath, District- Thane. | 19°08.969' | 73°15.205 ' |
| 35 | 2162 | Ulhas River at Jambhul water works, Village- Jambhul, Taluka- Ambernath, District- Thane. | 19°12.012' | 73°13.612' |
| 36 | 2653 | Bhatsa River at D/s of Liberty Oil Mills, Village- Satne, Taluka- Shahapur, District- Thane. | 19° 26.874' | 73° 20.964' |
| 37 | 2654 | Bhatsa River at U/s of Liberty Oil Mills, Village- Satne, Taluka- Shahapur, District- Thane. | 19° 27.011' | 73° 21.270' |
| 38 | 2709 | Tansa River near road bridge, Village- Dakewali, Taluka- Wada, District- Thane. | 19° 29.111' | 73° 04.944' |
| 39 | 2712 | Vaitarna River near road bridge, Village- Gandhare, Taluka- Wada, District- Thane. | 19° 37.957' | 73° 07.799' |
| 40 | 1461 | Bhatsa River at D/s of Pise Dam, Village- Pise, Taluka- Bhiwandi, District- Thane. | 19°18.919' | 73°10.991 ' |
| 41 | 1153 | Krishna River at Rajapur Weir, Village- Rajapur, Taluka- Shirol, District- Kolhapur. | 16°37.717 ' | 74°39.893' |
| 42 | 1310 | Krishna River at Kurundwad near Santaji Ghorpade Ghat , Village-Narshingwadi, Kurundwad, Taluka- Shirol, District- Kolhapur. | 16°41.276' | 74°36.055' |
| 43 | 1904 | Panchaganga River at U/s of Kolhapur town near Balinga Pumping station, Village-Balinga, Taluka- Karvir, District- Kolhapur. | 16°41.553' | 74°09.973' |
| 44 | 1905 | Panchaganga River at D/s of Kolhapur town at Gandhi nagar near NH-4 bridge and MIDC, Village- Uchegaon, Taluka- Kolhapur, District- Kolhapur. | 16°42.697' | 74°16.822' |
| 45 | 2163 | Panchaganga River at Shirol near Shirol Intake well, Village- Shirol, Taluka- Shirol, District- Kolhapur. | 16°43.313' | 74°35.672' |
| 46 | 1311 | Panchaganga River at Ichalkaranji near MIDC intake well. Village- Shiradhwad (Ichalkaranji ghat), Taluka-Hatkanangale, District- Kolhapur. | 16°39.950' | 74°28.495' |
| 47 | 1906 | Krishna River at Walwa, D/s of Islampur near Vithal Temple, Village- Walwa, Taluka- Walwa, District- Sangli. | 17°01.674 | 74°22.131' |
| 48 | 2164 | Vashishti River at U/s of Three M Paper Mills | 17°31.513' | 73°33.057' |

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| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|--|-------------|-------------|
| | | near M/s Multifilms Plastic Pvt. Ltd., Village-Kherdi, Taluka- Chiplun, District- Ratnagiri. | | |
| 49 | 2713 | Vashishti River at D/s of Three M Paper Mills near Chiplun water intake jackwell, Village-Kherdi, Taluka- Chiplun, District- Ratnagiri. | 17° 39.567' | 73° 32.357' |
| 50 | 2714 | Vashishti River at U/s of Pophali near Konphansawane bridge, Village- Pophali, Taluka- Chiplun, District- Ratnagiri. | 17° 26.266' | 73° 39.420' |
| 51 | 2676 | Muchkundi River at Waked, Ratnagiri, near M/s Asahi India Glass Ltd., Village- Waked, Taluka- Lanja, District- Ratnagiri. | 16° 46.450' | 73° 34.968' |
| 52 | 2168 | Mithi River near Road bridge, Village- Mahim, Taluka- Bandra, District- Mumbai. | 19°03.095' | 72°50.907' |
| 53 | 1908 | Kolar River before confluence with Kanhan River at Waregaon Bridge, Village- Waregaon, Taluka-Kamptee, District-Nagpur. | 21° 13' | 79° 12' |
| 54 | 2170 | Kanhan River at U/s of M/s Vidarbha Paper Mills, Village- Sinora, Taluka- Parseoni, District- Nagpur. | 21°12.679' | 79°14.127' |
| 55 | 2171 | Kanhan River at D/s of M/s Vidarbha Paper Mills, Village- Sinora, Taluka- Parseoni, District- Nagpur. | 21°12.575' | 79°14.203' |
| 56 | 1315 | Wardha River at Pulgaon Railway Bridge, Village- Pulgaon, Taluka - Wardha, District- Wardha. | 20° 30' | 78° 20' |
| 57 | 1909 | Kanhan River at D/s of Nagpur, Village- Agargaon, Taluka- Kuhi, District- Nagpur. | 21° 15' | 79° 08' |
| 58 | 1910 | Wainganga River after confluence with Kanhan River, Village- Ambhora, Taluka- Kuhi, District- Nagpur. | 21° 16' | 79° 10' |
| 59 | 2722 | Wena River at U/s of Mohata Mills, near Railway bridge on Wardha – Chandrapur Railway line, Village- Hinganghat, Taluka- Hinganghat, District- Wardha. | 20° 57.008' | 79° 00.756' |
| 60 | 2723 | Wena River at D/s of Mohata Mills, near bridge on Hinganghat- Wadner road, Village- Hinganghat, Taluka- Hinganghat, District- Wardha. | 20° 32.655' | 78° 48.714' |
| 61 | 2172 | Wainganga River at D/s of Ellora Paper Mills, Village- Tumsar, Taluka- Tumsar, District- Bhandara. | 21°21.307' | 79°47.943' |
| 62 | 2173 | Wainganga River at U/s of Ellora Paper Mills, Village- Tumsar, Taluka- Tumsar, District- Bhandara. | 21°21.454' | 79°47.942' |
| 63 | 1095 | Godavari River at U/s of Gangapur Dam, | 20°02.400 ' | 73°40.751' |

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| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|---|-------------|-------------|
| | | Village- Gangapur, Taluka- Nashik, District- Nashik. | | |
| 64 | 1096 | Godavari River at Ramkund, Village- Panchavati, Taluka- Nashik, District- Nashik. | 20°00.482' | 73°47.542' |
| 65 | 1211 | Godavari River at D/s of Nashik near Amardham, Village- Gadgebaba Maharaj Nagar, Taluka - Nashik, District- Nashik. | 20°00.109' | 73°47.842' |
| 66 | 1251 | Tapi River at U/s, Bhusawal, Village- Bhusawal Railway Colony, Taluka- Bhusawal, District- Jalgaon. | 21°03.671' | 75°47.537' |
| 67 | 1313 | Tapi River at Ajnad village, Village- Ajnad , Taluka- Raver, District- Jalgaon. | 21°14.696' | 76°08.898' |
| 68 | 1314 | Tapi River at Ubad village near Gujratborder, Village- Ubad, Taluka- Shahada, District- Nandurbar. | 21°31.799' | 74°19.149' |
| 69 | 2177 | Godavari River near Someshwar Temple, Village- Someshwar, Taluka- Nashik, District- Nashik. | 20°01.391' | 73°43.740' |
| 70 | 2179 | Godavari River at Hanuman Ghat, Village- Nashik city, Taluka- Nashik, District- Nashik. | 20°00.546' | 73°47.020' |
| 71 | 2180 | Godavari River at Tapovan, Village- Tapovan, Taluka- Nashik, District- Nashik. | 20°00.007' | 73°48.907' |
| 72 | 2181 | Godavari River at Kapila- Godavari confluence point, Village- Tapovan, Taluka- Nashik, District- Nashik. | 20°00.012' | 73°48.914' |
| 73 | 2182 | Godavari River at Saikheda village, Village- Saikheda, Taluka- Niphad, District- Nashik. | 20°00.859' | 74°00.350' |
| 74 | 2183 | Godavari River at Nandur- Madhmeshwar Dam, Village- Nandur, Taluka- Niphad, District- Nashik. | 20°00.535' | 74°07.948' |
| 75 | 2652 | Amravati River at D/s. of Dondaicha, Village- Dondaicha, Taluka- Dhule, District- Dhule. | 21° 19.688' | 74° 34.184' |
| 76 | 2658 | Bori River, D/S of Amalner, Village- Amalner, Taluka- Jalgaon, District- Jalgaon. | 21° 03.360' | 75° 04.283' |
| 77 | 2659 | Burai River before confluence to Tapi River, Village- Mukudas, Taluka- Dhule, District- Dhule. | 21° 18.077' | 75° 47.818' |
| 78 | 2660 | Darna River at Chehedi water works (pumping station), Village- Chehedi, Taluka- Nashik, District- Nashik. | 19° 55.873' | 73° 51.429' |
| 79 | 2661 | Darna River at Aswali (Darna Dam), Village- Aswali, Taluka- Igatpuri, District- Nashik. | 19° 48.184' | 73° 44.276' |
| 80 | 2662 | Darna River at MES site pumping station, Village- Bhagur, Taluka- Nashik, District- Nashik. | 19° 52.114' | 73° 49.662' |

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| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|---|-------------|-------------|
| 81 | 2663 | Darna River at Bhagur pumping station near Pandhurli bridge, Village- Bhagur, Taluka- Nashik, District- Nashik. | 19° 52.306' | 73° 50.235' |
| 82 | 2664 | Darna River at Sansari, Village- Sansari, Taluka- Nashik, District- Nashik. | 19° 54.350' | 73° 50.546' |
| 83 | 2666 | Gomai River D/s. of Shahada, Village- Shahada, Taluka- Dhule, District- Dhule. | 21° 32.744' | 74° 27.618' |
| 84 | 2667 | Hiwara River at D/S of Pachora, Village- Pachora, Taluka- Jalgaon, District- Jalgaon. | 20° 40.031' | 75° 21.464' |
| 85 | 2670 | Kan River at Sakri water works, Village- Sakri, Taluka- Dhule, District- Dhule. | 20° 59.642' | 74° 17.48' |
| 86 | 2674 | Mor River near Padalashhe, Village- Padalashhe, Taluka- Jalgaon, District- Jalgaon. | 21° 06.455' | 75° 47.515' |
| 87 | 2684 | Panzara River, Near Panzarakan SSK Ltd, Village- Panzara, Taluka- Dhule, District- Dhule. | 20° 57.405' | 74° 17.598' |
| 88 | 2710 | Titur River at D/S of Chalisgaon, Village- Chalisgaon, Taluka- Jalgaon, District- Jalgaon. | 20° 27.987' | 75° 01.165' |
| 89 | 2718 | Waghur River at- Sakegaon before Confluence with Tapi River, Village- Sakegaon, Taluka- Jalgaon, District- Jalgaon. | 21° 05.592' | 75° 41.642' |
| 90 | 1252 | Girna River at Jalgaon at intake of Girna pump house, Village- Girna pump house area, Taluka- Jalgaon, District- Jalgaon. | 20°59.372' | 75°30.942' |
| 91 | 1253 | Girna River at Malegaon road bridge, Village- Malegaon, Taluka- Malegaon, District- Nashik. | 20°32.106' | 74°31.220' |
| 92 | 1907 | Rangavali River at D/s of Navapur near Rangavali bridge, Village- Navapur, Taluka- Navapur, District- Nandurbar. | 21°09.794' | 73°47.211' |
| 93 | 1463 | Nira River at Sarola bridge, Village- Sarola, Taluka- Bhor, District- Pune. | 18°10.588' | 73°57.287' |
| 94 | 2191 | Mutha River at Sangam bridge near Ganapathyghat, Village - Shivaji Nagar, Taluka- Pune, District- Pune. | 18°31.815' | 73°51.662' |
| 95 | 2192 | Mula - Mutha River at Mundhawa bridge, Village- Mundhawa, Taluka- Haweli, District- Pune. | 18°32.206' | 73°56.015' |
| 96 | 2193 | Mula River at Aundh bridge, Village- Aundhgaon, Taluka- Haweli, District- Pune. | 18°34.049' | 73°48.675' |
| 97 | 2194 | Mula River at Harrison bridge near Mula-Pawana sangam, Village- Bopodi, Taluka- Haweli, District- Pune. | 18°34.462' | 73°50.139' |
| 98 | 2682 | Nira River at U/s of Jubilant Organosis, Village- Nira (Dattaghat), Taluka- Baramati, District- Pune. | 18° 05.811' | 74° 12.730' |

Maharashtra Pollution Control Board
Selection of Service Provider for Biodiversity Monitoring and Indexing of the Rivers for 156 National Water Quality
Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra

| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|--|-------------|-------------|
| 99 | 2195 | Nira River at D/s of Jubilant Organosis, Village- Nimbut, Taluka- Baramati, District- Pune. | 18°06.093' | 74°14.038' |
| 100 | 2656 | Bhima River- Backwater of Ujani Dam, near raw water pump house, Village- Kumbargaon, Taluka- Indapur, District- Pune. | 18° 16.341' | 74° 47.893' |
| 101 | 2678 | Mutha River near Veer Savarkar Bhavan, Village- Pune M.C, Taluka- Pune, District - Pune. | 18° 31.287' | 73° 51.018' |
| 102 | 2679 | Mutha River at Deccan bridge, Village- Deccan, Taluka- Pune, District- Pune. | 18° 30.910' | 73° 50.677' |
| 103 | 1189 | Bhima River at Pune (Mutha River) at U/s of Vithalwadi near Shankar Mandir, Village- Vithalwadi, Taluka- Haweli, District- Pune. | 18°29.012 ' | 73°49.554' |
| 104 | 1190 | Bhima River at D/s of Bundgarden, Village - Yerwada, Taluka- Haweli, District- Pune. | 18°32.647 ' | 73°52.946' |
| 105 | 1191 | Bhima River after confluence with Mula-Mutha at Pargaon near Vasant Bandara, Village- Pargaon, Taluka- Daund, District- Pune. | 18°34.074 ' | 74°22.681' |
| 106 | 1192 | Bhima River at Daund near Mahadev temple, Village- Daund, Taluka- Daund, District- Pune. | 18°28.234 ' | 74°35.235' |
| 107 | 2680 | Mutha River at Khadakvasla Dam, Village- Khadakvasla, Taluka- Haweli, District- Pune. | 18° 26.433' | 73° 46.411' |
| 108 | 2197 | Indrayani River at D/s of Alandigaon, Village- Alandigaon, Taluka- Haweli, District- Pune. | 18°39.428' | 73°54.600' |
| 109 | 2655 | Bhima River at Koregaon near Koregaon bridge, Village- Koregaon, Taluka- Shirur, District- Pune. | 18° 38.712' | 74° 03.303' |
| 110 | 2665 | Ghod River at Shirur, Village- Shirur, Taluka- Shirur, District- Pune. | 18° 49.961' | 74° 23.504' |
| 111 | 2668 | Indrayani River at D/s of Moshi village. Village- Moshi, Taluka- Haweli, District- Pune. | 18° 41.019' | 73° 52.713' |
| 112 | 2669 | Indrayani River at U/s of Moshigaon, Village- Moshi, Taluka- Haweli, District- Pune. | 18° 41.331' | 73° 50.793' |
| 113 | 2677 | Mula-Mutha River at D/s of Theur, Village- Theur, Taluka- Haweli, District- Pune. | 18° 31.846' | 74° 20.895' |
| 114 | 2715 | Vel River at Shikrapur, Village- Shikrapur, Taluka- Shirur, District- Pune. | 18° 41.614' | 74° 08.120' |
| 115 | 2186 | Venna River at Varye, Village - Varye, Taluka- Satara, District- Satara. | 17°43.793' | 73°58.928' |
| 116 | 2187 | Krishna River at Kshetra Mahuli, Village- Kshetra-Mahuli, Taluka- Mahuli, District- Satara. | 17°41.735' | 74°03.286' |
| 117 | 2188 | Krishna River at Krishna- Venna Sangam | 17°41.445' | 74°03.088' |

Maharashtra Pollution Control Board
Selection of Service Provider for Biodiversity Monitoring and Indexing of the Rivers for 156 National Water Quality
Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra

| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|---|-------------|-------------|
| | | Mahuli , Village- Mahuli,Taluka- Mahuli, District- Satara. | | |
| 118 | 2189 | Koyna River at Karad, Village- Karad,Taluka- Karad, District- Satara. | 17°16.668' | 74°10.528' |
| 119 | 2190 | Krishna River at Wai, Village- Wai,Taluka- Wai, District- Satara. | 17°34.304' | 74°02.862' |
| 120 | 2681 | Nira River at Sangavi, Village- Sangavi, Taluka- Phaltan, District- Satara. | 18° 03.424' | 74° 29.320' |
| 121 | 2683 | Nira River at Shindewadi, Village- Shirval, Taluka- Khandala, District- Satara. | 18° 08.771' | 73° 59.044' |
| 122 | 2711 | Urmodi River at Nagthne, Village- Nagthane,Taluka- Satara, District- Satara. | 17° 34.305' | 74° 02.863' |
| 123 | 2716 | Venna River at Mahabaleshwar, Village- Mahabaleshwar, Taluka- Mahabaleshwar, District- Satara. | 17° 55.296' | 73° 41.475' |
| 124 | 2717 | Venna River at Mahuli, Village- Mahuli, Taluka- Mahuli, District- Satara. | 17° 41.566' | 74° 03.043' |
| 125 | 1194 | Krishna River at Dhom Dam, Village- Wai, Taluka- Mahabaleshwar, District- Satara. | 17° 58' | 73° 50' |
| 126 | 1188 | Bhima River at Narsingpur near Sangam bridge after confluence with Nira, Village- Narsingpur, Taluka- Malshiros, District- Solapur. | 17° 30' | 75° 30' |
| 127 | 1911 | Chandrabhaga River at U/s of Pandharpur town, Village- Gursale, Taluka- Pandharpur, District- Solapur. | 17°43.797' | 75°18.745' |
| 128 | 1912 | Chandrabhaga River at D/s of Pandharpur town rear Vishnupant Mandir, Village- Gopalpur, Taluka- Pandharpur, District- Solapur. | 17°40.086' | 75°20.839' |
| 129 | 2705 | Sina River near Laboti toll naka, Village- Laboti, Taluka- Mohal, District- Solapur. | 17° 47.095' | 75° 42.577' |
| 130 | 2196 | Pawana River at Sangavigaon, Village- Sangavigaon, Taluka- Haweli, District- Pune. | 18°34.540' | 73°49.535' |
| 131 | 2690 | Pawana River at Kasarwadi, Village- Kasarwadi, Taluka- Haweli, District- Pune. | 18° 36.137' | 73° 49.306' |
| 132 | 2691 | Pawana River at Dapodi bridge, at Pawana-Mulla Sangam, Village- Dapodi, Taluka- Haweli, District- Pune. | 18° 34.429' | 73° 49.909' |
| 133 | 2692 | Pawana River at Ravet Weir, Village- Ravet, Taluka- Haweli, District- Pune. | 18° 38.374' | 73° 44.867' |
| 134 | 2693 | Pawana River at Chinchwadgaon, Village- Chinchwadgaon, Taluka- Haweli, District- Pune. | 18° 37.553' | 73° 46.681' |
| 135 | 2694 | Pawana River at Pimprigaon, Village- Pimprigaon, Taluka- Haweli, District- Pune. | 18° 37.301' | 73° 47.903' |
| 136 | 1151 | Patalganga River at Shilphata bridge, Village- | 18°48.075' | 73°19.391' |

| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|--|-------------|-------------|
| | | Khopoli, Taluka- Khalapur, District- Raigad. | | |
| 137 | 1462 | Patalganga River near intake of MIDC water works (Turade w/w). Village- Turade, Taluka- Khalapur, District- Raigad. | 18°53.222' | 73°10.761' |
| 138 | 2685 | Patalganga River at D/s of Kharpada bridge , Village- Kharpada, Taluka- Khalapur, District- Raigad. | 18° 50.259' | 73° 05.339' |
| 139 | 2686 | Patalganga River at Vyal Pump house, Village- Vyal, Taluka- Khalapur, District- Raigad. | 18° 52.275' | 73° 12.475' |
| 140 | 2687 | Patalganga River at Khalapur pumping station, Village- Khalapur, Taluka- Khalapur, District- Raigad. | 18° 49.504' | 73° 17.000' |
| 141 | 2688 | Patalganga River at Savroli bridge, Village- Savroli, Taluka- Khalapur, District- Raigad. | 18° 49.020' | 73° 17.201' |
| 142 | 2689 | Patalganga River at Gagangiri Maharaj Temple, Village- Khopoli, Taluka- Khalapur, District- Raigad. | 18° 47.216' | 73° 21.164' |
| 143 | 1152 | Kundalika River at Roha bridge, Village-Roha, Taluka- Roha, District- Raigad. | 18°26.444' | 73°07.245' |
| 144 | 2198 | Kundalika River at Are Khurd (Saline zone), Village-Arekhurd, Taluka- Roha, District- Raigad. | 18°28.941' | 73°02.911' |
| 145 | 2671 | Kundalika River near Salav bridge (Saline zone), Village-Salav, Taluka- Roha, District- Raigad. | 18° 32.327' | 72°56.119' |
| 146 | 2672 | Kundalika River at Dhatav at Jackwell , Village- Dhatav, Taluka- Roha, District- Raigad. | 18° 25.819' | 73° 09.819' |
| 147 | 2651 | Amba River at D/s of Waken bridge, Village- Waken phata, Taluka- Roha, District- Raigad. (u/s of the jackwells of M/s Supreme Petrochemicals & MIDC) | 18° 31.150' | 73° 09.434' |
| 148 | 2199 | Savitri River at Ovale village, Village- Ovale, Taluka- Mahad, District- Raigad. | 18°04.239' | 73°19.942' |
| 149 | 2701 | Savitri River Jackwell at Ursa kendre , Village- Nangalwadi, Taluka- Mahad, District- Raigad. | 18° 05.515' | 73° 27.943' |
| 150 | 2702 | Savitri River at Shedav Dov, Village- Shedav Dov, Taluka- Mahad, District- Raigad. | 18° 05.177' | 73° 26.613' |
| 151 | 2703 | Savitri River at Dadli road bridge, Village- Dadli, Taluka- Mahad, District- Raigad. | 18° 04.455' | 73° 25.237' |
| 152 | 2704 | Savitri River at Muthavali village, Village- Muthavali, Taluka- Mahad, District- Raigad. | 18° 04.317' | 73° 23.647' |
| 153 | 2696 | Pehlar Dam on Pehlar River- inlet of water works, Village- Pehlar, Taluka- Vasai, District- Thane. | 19° 26.601' | 72° 53.374' |

| Sr. No. | Station code | Station name | Latitude | Longitude |
|---------|--------------|---|-------------|-------------|
| 154 | 2706 | Surya River at U/S of Surya Dam, Village- Dhamni, Taluka- Vikramgad, District- Thane. | 19° 55.064' | 72° 03.463' |
| 155 | 2707 | Surya River at MIDC pumping station on Boisar - Chillarphata road, Village- Garvashet, Taluka- Palghar, District- Thane | 19° 47.134' | 72° 50.362' |
| 156 | 2708 | Surya River at intake of Vasai-Virar water Scheme, Village- Masvan, Taluka- Palghar, District- Thane. | 19° 41.862' | 72° 51.060' |

Addresses of the respective RO for necessary coordination are as given below

AMRAVATI:

Maharashtra Pollution Control Board
Sahakar Surbhi" Bapatwadi near Vivekanand Colony, Amravati - 444606

AURANGABAD:

Maharashtra Pollution Control Board
Paryavaran Bhavan, A - 4/1, MIDC Area, Chikalthana,
Near Seth Nandlal Dhoot Hospital,
Jalna Road , Aurangabad - 431 210

CHANDRAPUR:

Maharashtra Pollution Control Board
Udyog Bhavan, 1st Floor, Railway station Road, Chandrapur, 442 401

KALYAN:

Maharashtra Pollution Control Board,
Sidhivinayak Sankul, 3rd and 4th Floor, Station Road,
Kalyan(West) - 421301

KOLHAPUR:

Maharashtra Pollution Control Board
Udyog Bhavan Building, Near Collectarate Office, Kolhapur - 416 002

MUMBAI:

Maharashtra Pollution Control Board,
Kalpataru Point, 1st floor,
Opp. Cine Planet Cinema, Sion Circle,
Sion (E), Mumbai – 400 022.

NAGPUR:

Maharashtra Pollution Control Board
Udyog Bhavan , 5th floor , Near Sales Tax Office, Civil Line,
Nagpur - 440 001

NASHIK:

Maharashtra Pollution Control Board,
Udyog Bhavan, First Floor, Trimbak Road, Near
ITI, Satpur, Nashik – 422007

NAVI MUMBAI:

Maharashtra Pollution Control Board, Raigad Bhavan,
7th floor, Sector - 11, C.B.D Belapur,
Navi Mumbai - 400614.

PUNE:

Maharashtra Pollution Control Board,
Jog Center, 3rd floor, Mumbai Pune Road,
Wakdewadi, Pune – 411003

RAIGAD:

Maharashtra Pollution Control Board,
Raigad Bhavan, 6th floor, Sector - 11, C.B.D
Belapur, Navi Mumbai- 400 614

THANE:

Maharashtra Pollution Control Board, Plot No P-30,
5th floor Office Complex Building Mulund Checknaka,
Thane - 400604.

26. ANNEXURE – 2

SCOPE OF WORK AND REQUIRED SERVICE LEVELS

The broad scope of work to be performed by the Service Provider is as follows

1. Provisioning of Transportation:

The Service Provider will have to arrange their own transportation for shifting of monitoring instruments and / or staff for field survey by vehicle from office to NWMP location and back to testing laboratory.

2. Provisioning of Instruments:

Provide glassware's / required equipment's / instruments necessary for collecting, monitoring and analysis of the samples as required.

These glassware's / required equipment's / instruments should be owned, in working condition and available at any given point during the tenure of the contract. MPCB reserves the right to check the availability and condition of the equipment at any time during the contract. It is the Service Provider's responsibility to ensure replacement of the equipment in case of loss / damage of the equipment, so that the sampling and monitoring work is not hampered.

In case the service Provider is found to be lagging / non-compliant to any of the conditions mentioned here, MPCB reserves the right to terminate the contract or levy appropriate penalty.

3. Safety Equipment:

The Service Provider should undertake the work with the highest safety standards and ensure safety of their personnel at all times. The employees must be adequately covered under ESIC / Group insurance. Also they have to wear all the safety gear while conducting the work like Safety equipment, uniform, shoes, goggle, gloves, etc. Medical records along with blood group and emergency contact numbers should always be maintained.

4. Provisioning of Consumables (of approved make by MPCB):

Service Provider will ensure availability of adequate supplies of consumables required during sampling and analysis stages. These include sampling chemicals, sampling bottles, ice storage box for transportation of sampling bottles to laboratory, etc.

5. Provisioning of manpower:

Service Provider will deploy adequate technical and support manpower resources to carry the sampling, analysis and reporting work as mandated in the paragraph below. The technical manpower resources will be experienced staff, adequately qualified to carry out the work under this contract such as supervision, on-site calculations. These resources should be duly trained for sampling of Bio monitoring with appropriate methodology. Refresher courses should be conducted for them every year to check their proficiency.

Minimum Technical Qualification and Experience of the team will be as follow:

Analyst: M.Sc. with minimum 3 years' experience in Surface water monitoring

Assistant: BSc with minimum 1-year experience in Surface water monitoring

6. Field Sampling:

The Service Provider is required to collect samples for the NWMP stations in the region as per Annexure 1. The report should include

A. Water Quality data of –

Diversity Score Index, Saprobity Score Index,
Biological parameters - Phytoplankton, Chlorophyll, Phaeophytin,
Zooplankton, Benthos

Note:

- DO in eutrophicated waters should include measurements for diurnal variations.

B. Periodicity of Monitoring, Sampling and Analysis

The activities mentioned above should be performed in the season-wise cycle mentioned below.

| Season | Period of Monitoring | Target Date of Report submission |
|--------------|----------------------|----------------------------------|
| Pre-monsoon | March to May | 31 st July |
| Post-monsoon | October to December | 31 st March |

7. Analysis and Report preparation:

The Service Provider should do the necessary analysis in their accredited laboratories and prepare reports for the analysis. The draft report should be presented to MPCB for review and remarks latest by 30th June for Pre-monsoon season and by 28th February for post-monsoon season in pre-approved format.

After incorporating comments of MPCB, if any, the report should be finalized. The same should be presented to MPCB by the target date of report submission mentioned in the table above. The reports should be submitted both in hard copy and soft copy formats to MPCB.

8. Minimum Performance Requirements (MPR)

The Service Provider is required to complete the minimum number of sample types as mentioned in Annexure - 3 for each region. MPCB reserves the right to ask the Service Provider for re-sampling and / or extra sampling as the requirement deemed necessary by MPCB.

27. ANNEXURE – 3

The Service Provider has to follow following CPCB’s Standard Operating Procedure (SOP) for Biodiversity Monitoring and has to use their owned equipment for the sampling and testing.

PRINCIPLE

This method is based on Diversity score and Saprobic Score analysis with the help of Benthic Macro-Invertebrates (BMI).

LABORATORY ANALYSIS

Diversity Score Analysis

Preserved BMI should be washed appropriately using rectangular sieve (dimension- 11 × 15 mm; mesh size 0.6 mm) with excess water to remove all the preservative (Formalin/ Ethanol).

Washed animals should be randomly distributed in a flat white plastic tray with parallel lines on the bottom.

Sequential comparison involves a pair wise comparison of sequentially encountered individuals. First observed animal is always different and scored as 1 run.

If the next observed animal is different from the previous one, a new run starts and scored as ‘1’. If the organism found is same as previous it is counted as same run and scored as ‘0’. Size differences do not change the run.

Enter the number of runs over all rows (sum of 1’s). Calculate the number of runs for the first 15 organisms.

Calculate the diversity score with number of runs/ 15 organisms.

When a row is full, continue on next row. Determine the total number of runs for 30 organisms and follow the above steps until the total animals is counted.

| No | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | Total Runs | Total Org. | Diversity Score |
|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|------------|------------|-----------------|
| 1 | 1 | | | | | | | | | | | | | | | | 15 | |
| 2 | | | | | | | | | | | | | | | | | 30 | |
| 3 | | | | | | | | | | | | | | | | | 45 | |
| 4 | | | | | | | | | | | | | | | | | 60 | |
| 5 | | | | | | | | | | | | | | | | | 75 | |
| 6 | | | | | | | | | | | | | | | | | 90 | |
| 7 | | | | | | | | | | | | | | | | | 105 | |
| 8 | | | | | | | | | | | | | | | | | 120 | |
| 9 | | | | | | | | | | | | | | | | | 135 | |
| 10 | | | | | | | | | | | | | | | | | 150 | |
| 11 | | | | | | | | | | | | | | | | | 165 | |
| 12 | | | | | | | | | | | | | | | | | 180 | |
| 13 | | | | | | | | | | | | | | | | | 195 | |
| 14 | | | | | | | | | | | | | | | | | 210 | |
| 15 | | | | | | | | | | | | | | | | | 225 | |
| 16 | | | | | | | | | | | | | | | | | 240 | |
| 17 | | | | | | | | | | | | | | | | | 255 | |
| 18 | | | | | | | | | | | | | | | | | 270 | |

SAPROBIC SCORE CALCULATION

| BMWP Score Group | Taxonomic Order | Taxonomic Families | Encountered Families with Abundancy | Total Families encountered | Multiplied Score |
|--|----------------------|--------------------------|-------------------------------------|----------------------------|------------------|
| Group-I (BMWP Score 10) | <i>Ephemeroptera</i> | <i>Siphonuridae</i> | | | |
| | | <i>Heptageniidae</i> | | | |
| | | <i>Leptophlebiidae</i> | | | |
| | | <i>Ephemerelidae</i> | | | |
| | | <i>Potamintidae</i> | | | |
| | | <i>Ephemeridae</i> | | | |
| | | <i>Prosopistomatidae</i> | | | |
| | | <i>Neophemeridae</i> | | | |
| | | <i>Ameletidae</i> | | | |
| | <i>Plecoptera</i> | <i>Taeniopterygidae</i> | | | |
| | | <i>Leuctridae</i> | | | |
| | | <i>Capniidae</i> | | | |
| | | <i>Perlodidae</i> | | | |
| | | <i>Perlidae</i> | | | |
| | <i>Hemiptera</i> | <i>Aphelocheiridae</i> | | | |
| | <i>Trichoptera</i> | <i>Leptoceridae</i> | | | |
| | | <i>Goeridae</i> | | | |
| | | <i>Lepidostomatidae</i> | | | |
| | | <i>Brachycentridae</i> | | | |
| <i>Sericostomatidae</i> | | | | | |
| <i>Pseudoneuroclipsis</i> | | | | | |
| <i>Glossosomatidae</i> | | | | | |
| <i>Helicopsychidae</i> | | | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |
| Group-II (BMWP Score 9) | <i>Plecoptera</i> | <i>Chloroperlidae</i> | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |
| Group-III (BMWP Score 8) | <i>Odonata</i> | <i>Euphaeidae</i> | | | |
| | | <i>Protoneuridae</i> | | | |
| | | <i>Plathycnemididae</i> | | | |
| | | <i>Gomphidae</i> | | | |
| | | <i>Cordulegasteridae</i> | | | |
| | | <i>Aeschnidae</i> | | | |
| | | <i>Corduliidae</i> | | | |
| | | <i>Libellulidae</i> | | | |
| | | <i>Macromidae</i> | | | |
| | | <i>Chlorolestidae</i> | | | |
| | <i>Trichoptera</i> | <i>Psychomyiidae</i> | | | |
| | | <i>Cheumatopsychidae</i> | | | |
| | | <i>Philopotamidae</i> | | | |
| | <i>Coleoptera</i> | <i>Chrysomelidae</i> | | | |
| | | <i>Hydraenidae</i> | | | |
| | <i>Diptera</i> | <i>Sciomyzidae</i> | | | |
| | | <i>Limoniidae</i> | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |

| | | | | | |
|--|-----------------------|--------------------------|--|--|--|
| Group-IV (BMWP Score 7) | Ephemeroptera | <i>Caenidae</i> | | | |
| | Plecoptera | <i>Nemouridae</i> | | | |
| | Trichoptera | <i>Rhyacophilidae</i> | | | |
| | | <i>Pclycentropodidae</i> | | | |
| | | <i>Limnephilidae</i> | | | |
| | <i>Stenopsychidae</i> | | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |
| Group-V (BMWP Score 6) | Mollusca | <i>Neritidae</i> | | | |
| | | <i>Viviparidae</i> | | | |
| | | <i>Thiaridae</i> | | | |
| | | <i>Pleuroceridae</i> | | | |
| | | <i>Bithynidae</i> | | | |
| | | <i>Amblemidae</i> | | | |
| | | <i>Ancylidae</i> | | | |
| | | <i>Unionidae</i> | | | |
| | | <i>Septariidae</i> | | | |
| | | <i>Assimineidae</i> | | | |
| | | <i>Ampullaridae</i> | | | |
| | | <i>Solecurtidae</i> | | | |
| | | <i>Stenothyridae</i> | | | |
| | | <i>Arcidae</i> | | | |
| | <i>Succinidae</i> | | | | |
| | Trichoptera | <i>Hydroptilidae</i> | | | |
| | Crustacea | <i>Atyidae</i> | | | |
| | | <i>Gammaridae</i> | | | |
| | | <i>Palaemonidae</i> | | | |
| | | <i>Potamidae</i> | | | |
| | | <i>Parathelphusidae</i> | | | |
| | | <i>Anthuridae</i> | | | |
| | | <i>Niphargidae</i> | | | |
| | | <i>Talitridae</i> | | | |
| | | <i>Mysidae</i> | | | |
| | | <i>Hymenosomatidae</i> | | | |
| | | <i>Varunidae</i> | | | |
| | | <i>Sesarmidae</i> | | | |
| | | <i>Gecarcinucidae</i> | | | |
| | Polychaeta | <i>Nereididae</i> | | | |
| | | <i>Naphthyidae</i> | | | |
| | | <i>Nereillidae</i> | | | |
| | | <i>Sabellidae</i> | | | |
| | | <i>Pisionidae</i> | | | |
| | | <i>Histriobdellidae</i> | | | |
| | Oligochaeta | <i>Megascolecidae</i> | | | |
| Odonata | <i>Calopterygidae</i> | | | | |
| | <i>Coenagrionidae</i> | | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |
| Group-VI (BMWP Score 5) | Hemiptera | <i>Mesovelidae</i> | | | |
| | | <i>Hydrometridae</i> | | | |
| | | <i>Gerridae</i> | | | |
| | | <i>Nepidae</i> | | | |
| | | <i>Naucoridae</i> | | | |

Maharashtra Pollution Control Board
 Selection of Service Provider for Biodiversity Monitoring and Indexing of the Rivers for 156 National Water Quality
 Monitoring Programme (NWMP) stations located on 56 rivers of Maharashtra

| | | | | | |
|--|----------------------|------------------------|--|--|--|
| | | <i>Notonectidae</i> | | | |
| | | <i>Pleidae</i> | | | |
| | | <i>Veliidae</i> | | | |
| | | <i>Hebridae</i> | | | |
| | | <i>Belastomatidae</i> | | | |
| | | <i>Corixidae</i> | | | |
| | Coleoptera | <i>Halipiidae</i> | | | |
| | | <i>Hygrobidae</i> | | | |
| | | <i>Dytiscidae</i> | | | |
| | | <i>Gyrinidae</i> | | | |
| | | <i>Hydrophilidae</i> | | | |
| | | <i>Dryopidae</i> | | | |
| | | <i>Elminthidae</i> | | | |
| | | <i>Noteridae</i> | | | |
| | | <i>Psephenidae</i> | | | |
| | | <i>Heteroceridae</i> | | | |
| | | <i>Elmididae</i> | | | |
| | | <i>Scirtidae</i> | | | |
| | | <i>Eulichadidae</i> | | | |
| | | <i>Histeridae</i> | | | |
| | | <i>Curculionidae</i> | | | |
| | Trichoptera | <i>Hydropsychidae</i> | | | |
| | | <i>Ecnomidae</i> | | | |
| | Diptera | <i>Tipulidae</i> | | | |
| | | <i>Tabanidae</i> | | | |
| | | <i>Culicidae</i> | | | |
| | | <i>Blepharoceridae</i> | | | |
| | | <i>Simulidae</i> | | | |
| | | <i>Nymphomyidae</i> | | | |
| | | <i>Sarcophagidae</i> | | | |
| | | <i>Stratiomyiidae</i> | | | |
| | | <i>Ceratopogonidae</i> | | | |
| | Lepidoptera | <i>Pyralidae</i> | | | |
| | Planaria | <i>Planariidae</i> | | | |
| | | <i>Dendrocoelidae</i> | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |
| Group-VII (BMWP Score 4 | Ephemeroptera | <i>Baetidae</i> | | | |
| | Megaloptera | <i>Sialidae</i> | | | |
| | | <i>Corydalidae</i> | | | |
| | Hirudinea | <i>Piscicolidae</i> | | | |
| | | <i>Hirudinidae</i> | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |
| Group-VIII (BMWP Score 3 | Mollusca | <i>Lymnaeidae</i> | | | |
| | | <i>Physidae</i> | | | |
| | | <i>Planorbidae</i> | | | |
| | | <i>Sphaeridae</i> | | | |
| | | <i>Corbiculidae</i> | | | |
| | | <i>Onchididae</i> | | | |
| | Hirudinea | <i>Glossiphonidae</i> | | | |
| | | <i>Hirudidae</i> | | | |
| | <i>Erpobdellidae</i> | | | | |

| | | | | | |
|--|--------------------|----------------------|--|--|--|
| | | <i>Haemadipsidae</i> | | | |
| | | <i>Salifidae</i> | | | |
| | Planaria | <i>Dugesiiidae</i> | | | |
| | Crustacea | <i>Asellidae</i> | | | |
| | | <i>Cirolanidae</i> | | | |
| | | <i>Aegidae</i> | | | |
| | | <i>Stenasellidae</i> | | | |
| | | <i>Cymothoidae</i> | | | |
| | | <i>Corallaniidae</i> | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |
| Group-IX (BMWP Score 2 | Diptera | <i>Syrphidae</i> | | | |
| | | <i>Chironomidae</i> | | | |
| | | <i>Ephydriidae</i> | | | |
| | | <i>Muscidae</i> | | | |
| | | <i>Psychodidae</i> | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |
| Group-X (BMWP Score 1 | Oligochaeta | <i>Tubificidae</i> | | | |
| | | <i>Naididae</i> | | | |
| | | <i>Octochaetidae</i> | | | |
| | | <i>Lumbricidae</i> | | | |
| | | <i>Lumbriculidae</i> | | | |
| Total Families Encountered & Total Multiplied Score | | | | | |

The Saprobic score is calculated by the formula as presented below:

$$\text{Saprobic Score} = \frac{\sum \text{Multiplied score}}{\sum \text{Number of families encountered}}$$

Where,

Multiplied Score = No. of families encountered in a particular group x BMWP score of that group

28. ANNEXURE – 4

Price Bid Format

Note: Commercial Offer has to be entered online only. An Online Form, similar to the Commercial format given below, will be available to the bidders in Commercial Envelope (C1) during Online Bid Preparation stage where bidders would quote their offer. Additionally, the bidders should print this format and fill with the rates asked, sign and seal the document and upload the same as a part of Envelope 2 submission)

IMP: The bidders have to submit their Price-Bids as a SINGLE rate for One Hundred and Fifty-Six (156) stations mentioned in Annexure-I for the Scope.

The bidders should strictly follow the format given below for submitting the price –bids

| Sr. No. | Monitoring, Sampling, Analysis | Basic rate for 1 sampling station for scope in Ann. 2 in Rs. (A) | Basic rate for 156 stations for Scope in Annexure-2 in Rs. (B) | Taxes for 156 stations in Rs. (C) |
|---------|---|--|--|-----------------------------------|
| 1 | Biodiversity Monitoring (Diversity Score Index, Saprobity Score Index, Biological parameters - Phytoplankton, Chlorophyll, Phaeophytin, Zooplankton, Benthos) per location in pre mansoon period including manpower, transportation, sampling, analysis, draft & final report | | | |
| 2 | Biodiversity Monitoring (Diversity Score Index, Saprobity Score Index, Biological parameters - Phytoplankton, Chlorophyll, Phaeophytin, Zooplankton, Benthos) per location in post mansoon period including manpower, transportation, sampling, analysis, draft & final report | | | |
| | Total | | D | E |
| | Total (D+E) | | | |

Grand Total (In words): Rs. _____

Note:

1. Prices quoted are for the scope and SLA as mentioned in Annexure 2 and 3 for all 156 stations
2. The prices are valid for 180 days from the date of bid.

For and on behalf of:

Signature (Authorized Representative and Signatory of the Bidder):

Name of the Person:

Designation:

Date:

Note:

- Prices quoted are fixed for a period of 1 year
- The prices are valid for 180 days from the date of bid.
- Rates to be quoted are unit rates only. The payment will be made on actual number of samples collected monitored per region in the given period.

For and on behalf of:

Signature (Authorized Representative and Signatory of the Bidder):

Name of the Person:

Designation:

Date:

29. ANNEXURE – 5

DETAILS FOR E-TENDER PROCEDURE

NOTICE DETAILS

| | |
|---|--|
| Tender Reference no. | MPCB/JD (WPC)/ |
| Name of Work / Item | Selection of Service Provider for Monitoring, Sampling And Analysis of Biodiversity parameters for NWMP stations In Maharashtra State |
| Cost of blank tender document & Mode of Payment | ₹ 10000 (Rupees Ten Thousand Only) (Non Refundable) to be paid through Online Payment Modes i.e. Net Banking, Debit Card and Credit Card during Tender Document Download Stage. |
| EMD Amount & Mode of Payment | ₹ 5,00,000/- (Rupees Five Lakhs Only) to be paid through Online Payment Modes i.e. Net Banking, Debit Card, Credit Card and NEFT/RTGS during Bid Preparation Stage. |
| Date ,Time and Place for Training on e-Tendering Process | BASED ON REQUEST BY PROSPECTIVE BIDDERS |
| Date ,Time and Place of Pre Bid Meeting | <u>15th January, 2020</u> 15:00 Hrs. at MPCB Conference Hall, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Sion (E), Mumbai-400 022 |
| Venue of online opening of tender | MPCB Conference Hall, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Sion (E), Mumbai-400 022 |
| Address for Communication | Member Secretary Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Sion (E), Mumbai-400 022 |
| Contact Telephone & Fax Numbers | Tel. No. - 022- 240 87 295, 022- 240 10437 Fax - 022- 240 87 295 Email - jdwater@mpcb.gov.in |
| e-Tendering Helpline Support: Monday to Friday: 09:00 AM - 08:00 PM Saturday - 09:00 AM - 06:00 PM | Telephone: 020 - 3018 7500 Email: support.gom@nextenders.com |

e-TENDER TIME SCHEDULE

Please Note: All bid related activities (Process) like Tender Document Download, Bid Preparation, and Bid Submission will be governed by the time schedule given under Key Dates below:

| Sr. No. | Activity | Performed by | Start | | Expiry | |
|---------|----------|--------------|-------|------|--------|------|
| | | | Date | Time | Date | Time |

| | | | | | | |
|---|--------------------------|-------------------|------------|-------|------------|-------|
| 1 | <i>Release of Tender</i> | <i>Department</i> | 06/01/2020 | 11.00 | 06/01/2020 | 17.00 |
|---|--------------------------|-------------------|------------|-------|------------|-------|

| | | | | | | |
|---|-----------------|---------|------------|-------|------------|-------|
| 2 | Tender Download | Bidders | 06/01/2020 | 11.00 | 13/01/2020 | 17.00 |
| 3 | Bid Preparation | | 06/01/2020 | 11.00 | 20/01/2020 | 17.00 |

| | | | | | | |
|---|---|-------------------|------------|-------|------------|-------|
| 4 | <i>Super hash Generation & Bid Lock</i> | <i>Department</i> | 21/01/2020 | 11.00 | 21/01/2020 | 13.00 |
|---|---|-------------------|------------|-------|------------|-------|

| | | | | | | |
|---|-------------------------|---------|------------|-------|------------|-------|
| 5 | Control Transfer of Bid | Bidders | 21/01/2020 | 13.01 | 22/01/2020 | 17.00 |
|---|-------------------------|---------|------------|-------|------------|-------|

| | | | | | | |
|---|---------------------------|-------------------|------------|-------|------------|-------|
| 6 | <i>Envelope 1 Opening</i> | <i>Department</i> | 24/01/2020 | 11.30 | 24/01/2020 | 17.00 |
| 7 | <i>Envelope 2 Opening</i> | | 29/01/2020 | 15:30 | 29/01/2020 | 17.00 |

* Dates mentioned here, are scheduled dates for Bid Opening Activities. Any changes in dates of opening of technical and commercial bids shall be notified in 'Press Notice / Corrigendum' section on the e-Tendering sub portal of the department before opening of the same.

INSTRUCTIONS TO BIDDERS FOR e-Tendering

GENERAL INSTRUCTIONS:

The bidders are requested to familiarize themselves with the use of the e-Tendering portal of Government of Maharashtra well in advance

To view- Tender Notice, Detailed Time Schedule, Tender Document for this Tender and subsequently purchase the Tender Document and its supporting documents, kindly visit following e-Tendering website of **Government of Maharashtra**: <https://maharashtra.etenders.in>

The Contractors participating first time for e-Tenders on GoM e-tendering portal will have to complete the Online Registration Process for the e-Tendering portal. A link for enrollment of new bidders has been provided on <https://maharashtra.etenders.in>

All bidders interested in participating in the online e-Tendering process are required to procure Class II or Class III Digital e-Token having 2 certificates inside it, one for Signing/Verification purpose and another for Encryption/Decryption purpose. The tender should be prepared & submitted online using individual's Digital e-Token.

A Training Workshop on e-Tendering procedure will be held at 4th floor Conference Hall, MPCB, Sion, if there is a demand for the same multiple prospective bidders.

e-Tendering Tool Kit for Bidders (detailed Help documents, designed for bidders) has been provided on e-Tendering website in order to guide them through different stages involved during e-Tendering such as online procedure for Tender Document Purchase, Bid Preparation, Bid Submission.

Bidders will have to pay cost of Tender Document through online modes of payment such as **Net Banking, Debit Card and Credit Card** during **Tender Document Download stage**. This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

Similarly, Bidders will have to pay Earnest Money Deposit through online modes of payment such as **Net Banking, Debit Card, Credit Card and NEFT/RTGS** during **Bid Preparation stage**. This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

The interested contractors / bidders will have to make online payment (using credit card/debit card/net banking) of Rs. **1092/-** (inclusive of all taxes) per bid per tender to online service provider of e-Tendering system (Sify NexTenders) at the time of entering **Online Bid Submission** stage of the tender schedule.

If any assistance is required regarding e-Tendering (registration / upload / download) please contact GoM e-Tendering Help Desk on number: **020 – 3018 7500 (Pune Helpline)**, Email: support.gom@nextenders.com

For a bidder, online bidding process consists of following 3 stages:

1. *Online Tender Document Purchase and Download*
2. *Online Bid Preparation*
3. *Online Bid Submission*

All of 3 stages are mandatory in order for bidders to successfully complete Online Bidding Process.

TENDER DOCUMENT PURCHASE AND DOWNLOAD:

The tender document is uploaded / released on Government of Maharashtra, (GOM) e-tendering website <https://maharashtra.etenders.in>. Tender document and supporting documents may be purchased and downloaded from following link of Maharashtra Pollution Control Board on e-Tendering website of Government of Maharashtra, <https://allgom.maharashtra.etenders.in> by making payment through **Online Payment Modes i.e. Net Banking, Debit Card and Credit Card**.

If for any reason a bidder fails to make this payment through online modes, system won't allow the bidder proceed further for next stage resulting in his/her elimination from Online Bidding Process.

This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

Subsequently, bid has to be prepared and submitted online ONLY as per the schedule.

The Tender form will be available online only. Tender forms will not be sold / issued manually from MPC Board office.

The bidders are required to download the tender document within the pre-scribed date & time mentioned in online tender schedule. After expiry of the date and time for tender document download, Department / Corporation will not be responsible for any such failure on account of bidders for not downloading the document within the schedule even though they have paid the cost of the tender to the Department / Corporation. In such case the cost of the tender paid by the bidders will not be refunded.

PREPARATION & SUBMISSION OF BIDS

Both the Bids (Technical as well as Commercial) shall have to be prepared and subsequently submitted online only. Bids not submitted online will not be entertained.

Online Bid Preparation

EARNEST MONEY DEPOSIT (EMD)

Bidders are required to pay Earnest Money Deposit (if applicable) through Online Payment modes i.e. **Net Banking, Debit Card, Credit Card and NEFT/RTGS** during Bid Preparation Stage.

This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

If for any reason a bidder fails to make this payment through online modes, system won't allow the bidder to complete Bid Preparation stage resulting in his/her elimination from Online Bidding Process.

In case EMD is mandatory to all the bidders for a tender, offers made without EMD shall be rejected.

In Bid Preparation stage, bidders get access to Online Technical and Commercial Envelopes where they require uploading documents related to technical eligibility criteria and quote commercial offer for the work / item in respective online envelopes.

TECHNICAL BID

Following documents should be uploaded in Online Technical Envelope (T1) in PDF format, if required can be zipped as well and then uploaded during **Online Bid Preparation stage**.

The list of documents for Technical Envelope is as follows:

| Sr. No. | List of Documents | Compulsory / Additional |
|----------------|--|--------------------------------|
| 1 | Covering Letter along with its annexure as per Format in EXHIBIT 1 | Compulsory |
| 2 | Attested copy of Power of Attorney | Compulsory |
| 3 | Proof of Purchase of RFP | Compulsory |
| 4 | EMD as per Section 6.6.2 | Compulsory |
| 5 | Certificate of incorporation / Registration | Compulsory |
| 6 | Service Tax registration certificate | Compulsory |
| 7 | Copies of documents in compliance of Section 7.1 | Compulsory |
| 8 | Documentary Proofs as testimony for Evaluation of Technical bids as per criteria listed in Section 7.4.1 | Compulsory |
| 9 | Technical Proposal as mentioned in section 7.2 PART 2 (b) | Compulsory |
| 10 | Details of Laboratory Setup as mentioned in section 7.2 PART 2 (c) | Compulsory |

COMMERCIAL BID

All commercial offers must be prepared online (An online form will be provided for this purpose in Online Commercial Envelope (C1), during **Online Bid Preparation stage**).

Any bidder should not quote his offer anywhere directly or indirectly in Technical Envelope (T1), failing which the Commercial Envelope (C1) shall not be opened and his tender shall stand rejected.

Note: During Online Bid Preparation stage, bidders are allowed to make any changes or modifications in the bid data uploaded by them in Technical (T1) as well as Commercial (C1) envelope.

Towards the end of Bid Preparation, once verification of EMD payment is successful, bidder completes the Bid Preparation stage by generating the Hash Values for T1 and C1. Post this,

system won't allow him/her to make any further changes or modifications in the bid data.

Online Bid Submission

In this stage, bidders who have successfully completed their Bid Preparation stage are required to transfer the data, already uploaded by them during Bid Preparation stage, from their custody to department's custody.

Note: *During this stage, bidders won't have any capability to make any kind of changes or editing into technical as well as commercial data.*

INSTRUCTION TO BIDDERS FOR ONLINE BID PREPARATION & SUBMISSION

Bidders are required to pay Earnest Money Deposit (if applicable to them) through Online Payment modes i.e. **Net Banking, Debit Card, Credit Card and NEFT/RTGS** during Bid Preparation Stage.

If for any reason a bidder fails to make this payment through online modes, system won't allow the bidder to complete Bid Preparation stage resulting in his/her elimination from Online Bidding Process.

Hence, it is strongly recommended to bidders to initiate this payment well in advance prior to expiry of Bid Preparation stage in order to avoid elimination from Online Bidding Process on grounds of failure to make this payment.

During the activity of **Bid Preparation**, bidders are required to upload all the documents of the technical bid by scanning the documents and uploading those in the PDF format. This apart, bidders will have to quote commercial offer for the work / item, for which bids are invited, in an online form made available to them in Commercial Envelope. This activity of **Bid Preparation** should be completed within the pre-scribed schedule given for bid preparation.

After **Bid Preparation**, the bidders are required to complete **Bid Submission** activity within pre-scribed schedule without which the tender will not be submitted.

Interested contractors / bidders will have to make online payment (using credit card/debit card/net banking/Cash Card) of Rs. **1092/-** (inclusive of all taxes) per bid per tender to online service provider of e-Tendering system (Sify NexTenders) at the time of commencing **Online Bid Submission** stage of the tender schedule.

Non-payment of processing fees will result in non-submission of the tender and Department will not be responsible if the tenderer is not able to submit their offer due to non- payment of processing fees to the e-tendering agency.

Detailed list of different modes of online payment to e-tendering service provider (**E-Payment Options**) has been provided under **E-Tendering Toolkit for Bidders** section of **<https://maharashtra.etenders.in>**.

The date and time for online preparation followed by submission of envelopes shall strictly apply in all cases. The tenderers should ensure that their tender is prepared online before the expiry of

the scheduled date and time and then submitted online before the expiry of the scheduled date and time. No delay on account of any cause will be entertained. Offers not submitted online will not be entertained.

If for any reason, any interested bidder fails to complete any of online stages during the complete tender cycle, department shall not be responsible for that and any grievance regarding that shall not be entertained.

Any amendment to the tender will be placed on sub portal of the Department, who have invited the bids, on e-tendering portal of the Govt. of Maharashtra. The tenderer will not be communicated separately regarding the amendment.

OPENING OF BIDS:

The bids that are submitted online successfully shall be opened online as per date and time given in detailed tender schedule (if possible), through e-Tendering procedure only in the presence of bidders (if possible).

Bids shall be opened either in the presence of bidders or it's duly authorised representatives. The bidder representatives who are present shall sign a register evidencing their attendance. Only one representative per applicant shall be permitted to be present at the time of opening the tender.

TECHNICAL ENVELOPE (T1):

First of all, Technical Envelope of the tenderer will be opened online through e-Tendering procedure to verify its contents as per requirements.

At the time of opening of technical bid the tenderer should bring all the original documents that have been uploaded in the Online Technical Envelope (T1) so that same can be verified at the time of opening of technical bid.

If the tenderer fails to produce the original documents at the time of opening of technical bid then the decision of the committee taken on the basis of document uploaded will be final and binding on the tenderer.

If the various documents contained in this envelope do not meet the requirements, a note will be recorded accordingly by the tender opening authority and the said tenderer's Commercial Envelope will not be considered for further action but the same will be recorded.

Decision of the tender opening authority shall be final in this regard.

The right to accept or reject any or all tenders in part or whole without assigning any reason thereof is reserved with Tender Opening Authority and his decision(s) on the matter will be final and binding to all.

The commercial bids shall not be opened till the completion of evaluation of technical bids.

The commercial Bids of only technically qualified Bidders as mentioned above will be opened.

COMMERCIAL ENVELOPE (C1):

This envelope shall be opened online as per the date and time given in detailed tender schedule (if possible), through e-Tendering procedure only,

PRICE SCHEDULE

Note: Commercial Offer has to be entered online only. An Online Form, similar to the Commercial format given below, will be available to the bidders in Commercial Envelope (C1) during Online Bid Preparation stage where bidders would quote their offer.

Price Bid Formats to be uploaded Online:

The following documents should be uploaded by the bidders in the form of PDF Files in the same order as mentioned below, on the e-Tendering website during **Online Bid Preparation** stage.

| Sr. No. | List of Documents | Compulsory / Additional |
|----------------|--|--------------------------------|
| 1 | Covering Letter As per Format in EXHIBIT 2 | Compulsory |
| 2 | Price Bid as per format in Annexure 4 | Compulsory |
| 3 | ANYTHING ELSE | |

Note: Price Bid Formats to be uploaded online only. Bidders should not quote anywhere directly or indirectly in Technical Bid (T-1). Failing in this, Such Bids shall be rejected.