

Pre-Bid Queries and Response for the Project “Selection Of Supply, Installation, Commissioning, and providing Operation Maintenance Services Of Continuous Water Quality Monitoring Systems (CWOMS) in Chhattisgarh State”

2) M/s Nevco Engineers Pvt. Ltd.

Sr. No	Clause No /Page No	Queries	CECB Response
1.	No Page Number	As we are registered with MSME and according to the MSME guideline we are exempted from submitting EMD, Tender fees from Government organization and PSU published tenders. So, we are humbly requesting you to please consider the MSME benefits for your published tender.	EMD is not Exempted in any case. The tender condition shall prevail.
2.	Page number 5	Only 5 location been given, each location need two systems please clarify.	There are 5 River polluted stretches as mentioned in Tender and at each river stretches 2 systems are required at upstream & downstream. Hence, a total of 10 systems are required.
3.	Page number 6	It is been asked copies of similar item[s] supplied to any Central /State Pollution Control Boards / any CSIR Laboratory. It should be asked as similar for any other Govt/ PSU organization/industry.	As there are few organisations who have worked on real time river water quality in India, request may be accepted to increase numbers of bidders.
4.	Page number 6, point number 11.	The tenderer shall provide exclusive company profile including necessary certificates / license for manufacture the product from DGTD/SSI/SIA etc. What actual document required and it is required from bidder or from OEM.	Necessary permissions/ certificates should be from OEM. A letter should be issued by the OEM to CECB confirming that the OEM agrees to supply the equipment through the bidder and would provide support during O&M period including supply of spares.
5.	Page number 8	it is mentioned in the supply order within 30 days from the date of issue of supply order. In case of late supply of the material, 2% per month penalty shall be charged up to one month, there after supply order shall be treated as cancelled and earnest money shall be forfeited and the supply order	<ul style="list-style-type: none"> ▪ The indigenous equipment, for which an order has been placed, after acceptance of the tender, shall have to be delivered, installed & demonstrated to the consignee mentioned in the supply order within 45 days from the date of issue of supply order. In case of

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		<p>shall be issued to the second lowest firm. The maximum penalty for late supply shall not exceed 10% of the total ordered value. Please clarify regarding 10% the time required will be 5 months.</p>	<p>late supply of the material, 2% per month penalty shall be charged up to one month, there after supply order shall be treated as cancelled and earnest money shall be forfeited and the supply order shall be issued to the second lowest firm. The maximum penalty for late supply shall not exceed 10% of the total ordered value. In case of unavoidable delay in supply a prior permission shall be obtained for extension in delivery period.</p> <ul style="list-style-type: none"> ▪ The time limit for the supply of imported equipment shall be 45 days, which can be relaxed for additional 15 days by the Member Secretary, Chhattisgarh Environment Conservation Board (CECB). After scheduled time limit, 2% per month penalty or maximum penalty up to 10% of the total ordered value should be levied.
6.	<p>Page number 8, point number 4</p>	<p>The time limit for the supply of imported equipment shall be 30 days, which can be relaxed for additional 15 days by the Member Secretary, Chhattisgarh Environment Conservation Board (CECB). After scheduled time limit, 2% per month penalty or maximum penalty up to 10% of the total ordered value should be levied. Delivery and installation within 30 days is too less, It need to be imported, transit time and other formalities are included, so requesting you to extend 90 days.</p>	<ul style="list-style-type: none"> ▪ The indigenous equipment, for which an order has been placed, after acceptance of the tender, shall have to be delivered, installed & demonstrated to the consignee mentioned in the supply order within 45 days from the date of issue of supply order. In case of late supply of the material, 2% per month penalty shall be charged up to one month, there after supply order shall be treated as cancelled and earnest money shall be forfeited and the supply order shall be issued to the second lowest firm. The maximum penalty for late supply shall not exceed 10% of the total ordered value. In case of unavoidable delay in supply a prior permission shall be obtained for

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			<p>extension in delivery period.</p> <ul style="list-style-type: none"> ▪ The time limit for the supply of imported equipment shall be 45 days, which can be relaxed for additional 15 days by the Member Secretary, Chhattisgarh Environment Conservation Board (CECB). After scheduled time limit, 2% per month penalty or maximum penalty up to 10% of the total ordered value should be levied.
7.	Page 10	<p>The terms of payment shall be as under: a) 25 % payment will be released against delivery. b) 25% after installation, commissioning and data transfer of CWQMS c) 25% will be paid after 90 days after satisfactory working of CWQMS & its data display & validation of data by competent authority constituted by the Board. d) The mode of remaining 25% payment will be mentioned in the work order. We request to consider the payment term as 90% through LC and balance 10 % after successful commissioning within 30 days.</p>	<p>The tender condition shall prevail.</p>
8.	Page number 13	<p>The bidder should have experience of supply, installation, commissioning, operation and maintenance and data transfer of at least 3 nos. Continuous River water quality monitoring System to State Pollution Control Board/ Central Pollution Control Board via Server or Cloud. Documentary Proof is required to be submitted. We request to consider the supply of similar items to govt/ PSU/ industries as we have supplied more than 800 installation of similar analyser in other industries govt/PSU.</p>	<p>As there are few organisations who have worked on real time river water quality in India, request may be accepted to increase numbers of bidders.</p>
9.	Page number 13	<p>The Bidders should have supplied the system to measure at least 5 parameters asked in the tender Online to at least 03 Locations in India and all the systems supplied should have</p>	<p>The tender condition shall prevail.</p>

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		<p>been installed, commissioned and should be running at least for the past 2 years. The requirement is different for different organization and difficult to cover all parameter in one organization, so requesting you to consider minimum 4 parameters execution in previous experience.</p>	
<p>10.</p>	<p>Page number 15</p>	<p>Vendor will supply 100% material within 15 days from the date of awarding the Work order to the vendor. Installation and commissioning activity shall be completed within the 15 Days from the date of receiving 100% material. It is very difficult to supply the asked material in asked time frame. Please consider for 90 days.</p>	<p>Vendor will supply 100% material within 45 days from the date of awarding the Work order to the vendor. Installation and commissioning activity shall be completed within the 15 Days from the date of receiving 100% material.</p>

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3) M/s Aaxis Nano technologies Pvt. Ltd.

Sr. No	Clause No (Page No)	Queries	CECB Response
1.	Page number 8[C] 3.	<p>Tender Points: supply order within 30 days from the date of issue of supply order</p> <p>Queries Please be informed that from manufacturing of material to delivery at site in INDIA from Austria, Europe needs time and so request you to please extend the time frame of delivery to 60 to 90 days.</p>	<ul style="list-style-type: none"> ▪ The indigenous equipment, for which an order has been placed, after acceptance of the tender, shall have to be delivered, installed & demonstrated to the consignee mentioned in the supply order within 45 days from the date of issue of supply order. In case of late supply of the material, 2% per month penalty shall be charged up to one month, there after supply order shall be treated as cancelled and earnest money shall be forfeited and the supply order shall be issued to the second lowest firm. The maximum penalty for late supply shall not exceed 10% of the total ordered value. In case of unavoidable delay in supply a prior permission shall be obtained for extension in delivery period. ▪ The time limit for the supply of imported equipment shall be 45 days, which can be relaxed for additional 15 days by the Member Secretary, Chhattisgarh Environment Conservation Board (CECB). After scheduled time limit, 2% per month penalty or maximum penalty up to 10% of the total ordered value should be levied.
2.	Page number 13[C] 2.	<p>Tender Points: The bidder should have experience of supply, installation commissioning, operation and maintenance and data transfer of at least 3 nos. Continuous River water quality monitoring System to State Pollution Control Board/</p>	The tender condition shall prevail.

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		<p>Central Pollution Control Board via Server or Cloud.</p> <p>Queries Concerning the criticality of the project and budget value of the whole project. Better if we switch to bidders with experience of handling at least 70% or above value of project sites (10 stations) along with 3 nos. of performance letter from end client out of which one could be of 2015 or old along with recent year.</p>	
3.	Page number 13[C] 3.	<p>Tender Points: The Average financial turnover of the bidder during the last three (03) years should be at least 5.00 Crores from the date of opening of the tender</p> <p>Queries Concerning the project budget please allow the healthy financial bidders as the higher values companies' shows higher value of reliability. Bidders turn over shall be 15 Crores or above.</p>	The tender condition shall prevail.
4.	Page number 14 [C] 4.	<p>Tender Points: least 5 parameters asked in the tender Online to at least 03. Locations in India</p> <p>Queries Concerning the near future changes and criticality of the project better to switch to more than 7 parameters like (pH, Temperature, Conductivity, Dissolved Oxygen (DO), Bio-chemical Oxygen demand (BOD), Nitrite, Nitrate) and colour, bidder shall have to provide at least 6 location enabling to ensure their reliability and performance.</p>	The tender condition shall prevail.

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5.	Page number 14 [D] 1.	<p>Tender Points: Material availability certificate mentioning that they should supply the material within 15 days from the date of issue of work order.</p> <p>Queries Please be informed that the site location is at remote area and so request you to please extend the supply time from 15 days to 60 days.</p>	The Bidder must provide a material availability certificate mentioning that they should supply the material within 45 days from the date of issue of work order.
6.	Page number 15 [D] IX.	<p>Tender Points: Vendor will supply 100% material within 15 days from the date of awarding the Work order to the vendor.</p> <p>Queries Please be informed that the site location is at remote area and so request you to please extend the supply time from 15 days to 60 days.</p>	Vendor will supply 100% material within 45 days from the date of awarding the Work order to the vendor. Installation and commissioning activity shall be completed within the 15 Days from the date of receiving 100% material.
7.	Page number 15 [D] XIV.	<p>Tender Points: After installation of CWQMS if the situation arises Supplier will have to undertake the shifting of the instrument from the location of installation to another location within Chhattisgarh.</p> <p>Queries Kindly clear the Terms and conditions for the same along with the cost for relocation of whole system starting from disassembling to shifting to assembling at other location.</p>	<p>The financial table for detailed costing to be attached in pdf should include the following line item below the total cost.</p> <p>* Cost for mob-demob to undertake the shifting of the instrument from the location of installation to another location within Chhattisgarh.</p> <p>In case such a situation arises, the above line item cost will be considered.</p>

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8.	Page number 15 [E] II.	<p>Tender Points: Operation and Maintenance of the CWQMS for Five (05) year of warranty from the date of it's commissioning</p> <p>Queries Agreed with 2 year warranty after commissioning and rest 3 year under maintenance.</p>	
9.	Page number 36 Video Wall	<p>Tender Points: There shall be 4 video wall (1 screen per sensor system) to be placed at different parts of the city by the Bidder (in discussion and on approval of the board). These video walls shall be deployed and shall show the data originating from the sensor controller system and the real time data shall be displayed on the screens 24 x 7. The screens shall be of size 10X8 feet or more and shall be of reputed make.</p> <p>Queries As per mutual consent during pre bid meeting discussion. Kindly remove the clause as the same can be provided with an extra cost.</p>	<p>The clause of Video wall not to be considered for this tender.</p> <p>Video wall: (For 2 months)</p> <p><input type="checkbox"/> There shall be 4 video wall (1 screen per sensor system) to be placed at different parts of the city by the Bidder (in discussion and on approval of the board). These video walls shall be deployed and shall show the data originating from the sensor controller system and the real time data shall be displayed on the screens 24 x 7.</p> <p><input type="checkbox"/> The screens shall be of size 10X8 feet or more and shall be of reputed make.</p>
10.	Page number 15 [E] II.	<p>Tender Points: The desired online parameters required to be monitored and displayed are pH, Temperature, Conductivity, Dissolved Oxygen (DO), Biochemical Oxygen demand (BOD), Nitrite, and Nitrate. The desired offline parameters required to be monitored are Faecal Coliform & Total Coliform.</p> <p>Queries</p>	-

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		<p>Agreed. Please be informed that M/s ANTPL shall provide COLOUR parameter also along with the stated parameters and that would be free of cost.</p>	
11.	<p>Page number 14 [D]. V</p>	<p>Tender Points: The qualified / analyzed data shall than be displayed on local displays (LED's of size 10' x 8' minimum) install at each location and other location as decided by Board shall remain in the scope of the bidder.</p> <p>Queries As discussed in pre bid meeting maximum two LED's shall be provided. Kindly modify the same accordingly and confirm the LED size.</p>	<p>The qualified / analyzed data shall than be displayed on local displays (Data display board - a total of 5 nos) install at each location and other location as decided by Board shall remain in the scope of the bidder.</p> <p>SPECIFICATIONS OF DAY LIGHT & NIGHT VISIBLE DATA DISPLAY SYSTEM</p>

Sr. No	Clause No (Page No)	Queries	CECB Response																																
			<p>10.1 Size of display System : 4' x 12'</p> <p>10.2 Visibility range : 200 Meters (Day Time)</p> <p>10.3 Nos. of display Line : 4</p> <p>10.4 Display of colour elements : Multi Colour (Red, Green and Blue)</p> <p>10.5 Minimum life span of the system : 10 Years</p> <p>10.6 Smallest Character Size : 280 mm x 180 mm (approx.)</p> <p>10.7 Operating and Non Operating Temperature : 0 – 50 °C</p> <p>10.8 Humidity Tolerance Range : 0 – 100%</p> <p>10.9 Languages supported by the display : English & Hindi</p> <p>10.10 Color Gradient : Cluster LED based</p> <p>10.11 Display Characters (Example):</p> <table border="1" data-bbox="1344 630 2004 877"> <thead> <tr> <th>S. No.</th> <th>Parameters</th> <th>Concentration (µg / m³)</th> <th>Standard Limit (µg / m³)</th> </tr> </thead> <tbody> <tr> <td>10.11.1</td> <td>Particulate Matter (PM 10)</td> <td>400</td> <td>100</td> </tr> <tr> <td>10.11.2</td> <td>Particulate Matter (PM 2.5)</td> <td>180</td> <td>80</td> </tr> <tr> <td>10.11.3</td> <td>SO₂</td> <td>35</td> <td>80</td> </tr> <tr> <td>10.11.4</td> <td>NO₂</td> <td>79</td> <td>80</td> </tr> <tr> <td>10.11.5</td> <td>CO</td> <td>3320</td> <td>2000</td> </tr> <tr> <td>.....</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>.....</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> </tbody> </table> <p>The display of above variable data should be supported with moving messages / slogans to be changed from time to time</p> <p>Input Power requirement : Cluster LED based</p> <p>Display Mounting : Weather proof casing to cope up with local condition</p> <p>Computer System : Software compatible with latest version</p> <p>General : The display system should be capable to transfer the data from computer to Display Board through Modem System. The system should also have the facility to display the environment message, environmental picture through video camera / VCR / C D Player etc. for public awareness.</p>	S. No.	Parameters	Concentration (µg / m ³)	Standard Limit (µg / m ³)	10.11.1	Particulate Matter (PM 10)	400	100	10.11.2	Particulate Matter (PM 2.5)	180	80	10.11.3	SO ₂	35	80	10.11.4	NO ₂	79	80	10.11.5	CO	3320	2000
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10.11.5	CO	3320	2000																																
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12.	No clause	<p>Tender Points: Calibration Frequency Queries We will provide calibration twice in a month.</p>	As per the Manufacturing Requirement and the schedule of online & offline Calibration should be submitted as a part of bid.																																

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1) M/s Sharp Control Equipments Pvt Ltd.

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1.	Page No.: 05 Item No.: 01	<p>Tender Points: Location at 10 locations in Chhattisgarh at Upstream & Downstream of 5 River polluted stretches</p> <p>Queries: Since, the level of water shall not be the same all the times in the river, it may be impractical to change the height of installed sensors at river bed every day. Moreover, it will also unsafe to keep the sensors in open river, which always have a risk of theft and physical damaged and abuse. In this situation, it is better to allow sample to be pumped to the analyser which can be installed at nearby Pump House of available water supply scheme for all the given 10 locations, So as to have 24*7, 365 days data monitoring.</p>	There are applications where these types of systems are attached to buoy. Anyway, the bidder need to devise appropriate system to ensure 24X7 uninterrupted real time monitoring without any pre-filtering system that may alter the actual river water quality.
2.	Page No.: 01 Item No.: 05	<p>Tender Points: Tenderer should furnish supplies made by him to important institutions along with performance certificates during last one year. Tenderer must submit client list with the purchase orders of similar items to Central /State Pollution Control Board</p> <p>Queries: We request to accept~~~ Tenderer should furnish supplies made by him to important institutions along with performance certificates during last one year. Tenderer must submit client list with the Purchase Orders of similar items to Central / State Pollution Control Board/PSU/Public listed Companies.</p>	Request may be accepted to increase numbers of bidders.

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3.	Page No.: 10 Item No.:16	<p>Payment terms: We request following payments terms,</p> <ul style="list-style-type: none"> a. 60% against material delivery on prorated basis b. 15% against installation, commissioning and data transfer on prorated basis c. 15% within 90 days after satisfactory working of CWQMS & its data display and validation of data by the board d. Balance 10% may be released in 4 equal parts after the end of every year. 	The tender condition shall prevail.
4.	Page No.: 13 Item No.: C-2	<p>Qualification Criteria: The bidder should have experience of supply, installation and commissioning, operation, maintenance and data transfer of at least 3 nos continuous river water quality monitoring system to SPCB / CPCB via server or Cloud. Documentary proof is required to be submitted.</p> <p>Queries: We request for modification as under ~~ The bidder should have experience of supply, installation and commissioning, operation and maintenance and data transfer of at least 3 nos continuous water quality monitoring system which are hooked up to SPCB/CPCB via server or cloud. Documentary proof is required to be submitted.</p>	Request may be accepted to increase numbers of bidders.
5.	Page No.: 13 Item No.: C-3	<p>Tender Points: The average financial turnover of the bidder during the last 3 years should be at least 5 cores from the date of opening of the tender. The bidder has to provide notarised balance sheet.</p> <p>Queries: We request for the modifications as under ~~ The average financial turnover of the bidder during the last 3</p>	The tender condition shall prevail.

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		years should be at least 3.3 cores from the date of opening of the tender. The bidder has to provide Notarised copy of balance sheet.	
6.	Page No.: 14 Item No.: C-4	<p>Tender Points: The bidders should have supplied the system to measure at least 5 parameters asked in tender online to at least 3 locations in India and all systems supplied should have installed, commissioned and should be running at least for the past 2 years.</p> <p>Queries: We request for the modifications as under ~~ The bidders should have supplied the systems to measure at least 5 parameters as required by CPCB guidelines to at least 3 locations in India and all systems supplied should have installed, commissioned and should be running within a period of 2 years.</p>	As there are few organisations who have worked on real time river water quality in India, request may be accepted to increase numbers of bidders.
7.	Page No.: 15 Item No.: D-XV	<p>Tender Points: The bidder shall take responsibility of shifting and de-attachment of CWQMS before monsoon and installation after monsoon within Chhattisgarh during service period.</p> <p>Queries: So as to have 24*7, 365 days data monitoring, it is required to have CWQMS system installed round the clock. In order to have data monitored in rainy season, in place of using insertion / Insitu type sensors, extractive type technology can be used, where sample water can be pumped from River 24 hrs * 365 days, till the analyser which is installed in safe zone, preferably at pump houses of local water supply scheme. We request for the modification as under ~~</p>	There are applications where these types of systems are attached to buoy. Anyway, the bidder need to devise appropriate system to ensure 24X7 uninterrupted real time monitoring without any pre-filtering system that may alter the actual river water quality.

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		Bidder to use extractive type of technology and pump the simple till the analyser housed in safe area.	
8.	Page No.: 16 Item No.: 1.0-II (C)	<p>Tender Points: Display of data on video wall at 2 locations (Location will be decided and informed later) for a period of 2 months.</p> <p>Queries: We request you to describe the video wall concept</p>	The clause of Video wall not to be considered for this tender.
9.	Annexure – 2	<p>Tender Points: Annual Maintenance and Repair charge for each unit including supply for each unit including supply of spares (price to be quoted either in Indian rupees or in Foreign currency) excluding guarantee period</p> <p>Queries: We request you confirm / clarify the below point: Contract is with 2 years warranty period and 3 years O&M after end of Warranty period.</p>	Bidders have to quote in INR only. Annual Maintenance and Repair charge for each unit including supply for each unit including supply of spares (price to be quoted either in Indian rupees) excluding guarantee period
10.	Page No.: 31 Volume II, Specifications	<p>Tender Points: ...System should have service mode of cleaning (Ultrasonic / Compressed air)</p> <p>Queries: We request for the modifications as under ~~ ...Systems should have automatic service mode of cleaning using inbuilt wipers to clean the lens cell continuously</p>	System should have service mode of cleaning. Bidders can go for latest technology as available.
11.	Page No.: 33 Point No XIII	<p>Tender Points: Parameter calculation for one to another Parameter such as COD to BOD to TOC is not recommended due to accuracy issues.</p> <p>Queries: CPCB guidelines July 2018 page no 8, 11 and 12 approved</p>	Please be informed that the CPCB guideline, July, 2018 is for “Guidelines for Online Continuous Effluent Monitoring Systems (OCEMS)”. It is upto bidder if they want to quote according to CPCB guidelines or not.

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		available technologies are listed. Hence, requesting to allow bidder to quote as per guidelines of July 2018.	Hence, the tender condition shall prevail.
12.	Page No.: 33 Point No XIII	<p>Tender Points: Validation and accuracy checks of system must have provision to perform with reference to known standards such as KHP (Potassium Phthalate etc) and Formazin standards and shall remain in bidders scope.</p> <p>Queries: Referring to CPCB guidelines of July 2018 – basic requirement of an efficient analyser are : The correction / interpretation factor for estimating COD and BOD using UV – visible absorption technique shall be regularly authenticated / validated and details should be transmitted online. Hence. Requesting you to allow bidder to quote as per CPCB guidelines.</p>	<p>Please be informed that the CPCB guideline, July, 2018 is for “Guidelines for Online Continuous Effluent Monitoring Systems (OCEMS)”.</p> <p>It is upto bidder if they want to quote according to CPCB guidelines or not.</p> <p>Hence, the tender condition shall prevail.</p>