

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

**Tender No. 07/HO/CECB/SCI/CWQMS/E-Tender/2020-21**

**1. Sharp Control Equipments Private Limited**

S. No.	Clause No./Page No.	Query	CECB Response
1	Item No. 1 Page no. 5	<p><b>Tender Point :</b> Location at 10 locations in Chattisgarh at the Upstream and Downstream of the 5 river polluted Stretches.</p> <p><b>Query:</b> 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 damage 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 24X7, 365 days data monitoring.</p>	Not acceptable. Hence no change is required.
2	Page no.5 Item NoA, Point no 5	<p><b>Tender Point :</b> The 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><b>Query:</b> 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>	Not acceptable. Hence no change is required.

3	Page No 9, Item No 8	<p><b>Tender Point :</b> The prices should include all taxes like sales tax, excise tax or any other tax.</p> <p><b>Query:</b> Our request-Please consider GST to be extra</p>	The bidder shall bid his price inclusive of all taxes which is already mentioned in the tender. Hence no change is required.
4	Page No. 10, Item No. 16	<p><b>Tender Point :</b> 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 and its data display and validation of data by competent authority constituted by the board (d) The mode of remaining 25% payment will be mentioned in the work order.</p> <p><b>Query:</b> We request for the following payment terms, (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 and its data display and validation of data by competent authority constituted by the board. (d) Balance 10% may be released in 4 equal parts after the end of every year</p>	Incorporating suggestion given by the bidder the change in terms of payment shall be as under:-(a) 30% 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 and its data display and validation of data by competent authority constituted by the Board (d) The mode of remaining 20% payment will be mentioned in the work order.
5	Page No. 13 Item No. C-2	<p><b>Tender Point :</b> Qualification Criteria:- The Bidder should have experience of supply, installation and commissioning, Operation and 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><b>Query:</b> We request for the modification as under~ The Bidder should have experience of supply, installation and commissioning, Operation and Maintenance and data transfer of</p>	Not acceptable. Hence no change is required.

		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.	
6	Page no 13, Item C-3	<p><b>Tender Point :</b> The average financial turnover of the bidder during the last 3 years should be at-least 5 crores from the date of opening of the tender. The bidder has to provide Notarised balance sheet.</p> <p><b>Query:</b> We request for the modifications as under~ The average financial turnover of the bidder during the last 3 years should be at least 3.3 crores from the date of opening of the tender. The bidder has to provide Notarised copy of balance sheet OR bidder should be registered in E-proc Chhattisgarh in any class.</p>	Incorporating suggestion given by the bidder following change is made:- The average financial turnover of the bidder during the last 3 years should be at-least 3crores from the date of opening of the tender. The bidder has to provide Notarised balance sheet.
7	Page no 14, Item C-4 The	<p><b>Tender Point :</b> The bidders should have supplied the system to measure at least 5 parameters asked in the tender online to at least 3 locations is India and all systems supplied should have installed, commissioned and should be running at least for the past 2 years.</p> <p><b>Query:</b> We request for the modifications as under~ The bidders should have supplied the system to measure at least 5 parameters as required by CPCB guidelines to at least 3 locations is India and all systems supplied should have installed, commissioned and should be running within a period of 2 years.</p>	Incorporating suggestion given by the bidder following change is made:- The bidders should have supplied the system to measure at least 5 parameters asked in the tender online to at least 3 locations is India and all systems supplied should have installed, commissioned and should be running at least for the past one year.
8	Page no 15, Item no D-xv	<p><b>Tender Point :</b> The bidder shall take responsibility of shifting and de-attachment of CWQMS before monsoon and installation after monsoon within Chattisgarh during service period.</p> <p><b>Query:</b> We request for the modifications as under~ Bidder to use extractive type of technology and pump the sample till the analyser housed in safe area.</p>	Not acceptable. Hence no change is required.

9	Annexure-2	<p><b>Tender Point :</b> Annual Maintenance and Repair charges for each unit including supply of spares (Price to be quoted either in Indian rupees or in Foreign currency) excluding guarantee period.</p> <p><b>Query:</b> We request you to clarify the below point if – Contract is with 2 years warranty period and 3 years O&amp;M after end of Warranty period</p>	Incorporating suggestion given by the bidder following change is made:-Contract will be with 2 years warranty period and 3 years O&M after end of warranty period.
10	Page 31, Volume II Specifications	<p><b>Tender Point :</b> ....System should have service mode of cleaning (Ultrasonic/Compressed air).</p> <p><b>Query:</b> We request for the modifications as under~ ...System should have Automatic Service mode of cleaning using Ultrasonic/Compressed Air/inbuilt Wipers to clean the lens cell continuously.</p>	Bidder should supply system which has service mode of cleaning based on latest technology.
11	Page 34, Point XII	<p><b>Tender Point :</b> Parameter calculation for one to another Parameter such as COD to BOD to TOC is not recommended due to accuracy issues.</p> <p><b>Query:</b> CPCB Guidelines July 2018 page no 8, 11 and 12 Approved available technologies are listed. Hence, requesting to allow bidder to quote as per the Guidelines of July 2018</p>	As per CPCB guidelines issued on July 2018 regarding “Guidelines for Online Continuous Effluent Monitoring Systems (OCEMS)”, the basic principle and approved available technologies listed for multi wavelength dual beam scanning in UV visible range with multi point local adaptive calibration help to have matrix change shall be adopted.
12	Page 34, Point no XIII	<p><b>Tender Point :</b> Validation and accuracy checks of system must have provision to perform with reference to known standards such as KHP (Potassium Phthalate etc.) and Formalin standards and shall remain in bidders scope.</p> <p><b>Query:</b> Referring to CPCB guidelines of July 2018 – basic requirement of an efficient analyser are: The correlation / 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>	Validation and accuracy checks of system shall be as per CPCB guidelines issued on July 2018.

## 2. PTESPL Mumbai

S. No.	Clause No./Page No.	Query	CECB Response
1	No Page Number	<p><b>Query:</b> Referring EPA SESDPROC-306-R3, CPCB Guidelines for Water quality monitoring MINARS/27/2007-8, valid sampling point is the centre of any flowing stream where the medium is well mixed. Since invalid sampling results in non-valid analysis, what should be the position of installing the measuring sensors preferred in the flowing channel for this project? Request to incorporate this sampling condition in Installation criteria.</p>	The sampling points for river water quality monitoring shall be as per CPCB guidelines.
2	No Page Number	<p><b>Query:</b> Valid sampling water column is 20-30cm below surface edge and 20cm above bottom depth. Since invalid sampling results in non-valid analysis, what should be the vertical position of the sampling point in the flowing channel for this project? Request to incorporate this sampling condition in Installation criteria.</p>	The sampling points for river water quality monitoring shall be as per CPCB guidelines.
3	No Page Number	<p><b>Query:</b> What is preferred the best for this project medium Immersed system, or pump based extractive system?</p>	Not acceptable. Hence no change is required.
4	No Page Number	<p><b>Query:</b> As per CPCB water quality guidelines, If Pump based extractive system are allowed, an alarm has to be generated incase of sample dilution, This condition to be added in the technical requirements section</p>	Not acceptable. Hence no change is required.
5	No Page Number	<p><b>Query:</b> Incase a Monitoring system uses a diluted acidic solution for internal cleaning of sensors, will it be allowed to discharge the spent cleaning solution in the same flowing medium or to be flown over nearby surface of installation?</p>	Bidder should supply system which has service mode of cleaning based on latest technology.
6	No Page Number	<p><b>Query:</b> CPCB Water quality guidelines mention “The site surrounding environmental conditions shall also be recorded along with other</p>	The site surrounding environmental conditions shall also be recorded along with other environmental parameters as per

		environmental parameters, as these have the potential to affect the system adversely and influence the data generated ” Would it be mandatory to comply with transmitting site surrounding environmental conditions, if yes what would be those parameters?	CPCB guidelines.
7	No Page Number	<p><b>Query:</b> Referring mandatory requirement of CPCB Water quality guidelines, “Raw data should be transmitted simultaneously to SPCBs /PCCs and CPCB” and “The software should be capable to verify the data correctness which means at any given point of time the regulatory authorities/data generator should be able to visualise the current data of any location’s specific parameter” “Supplied software should establish two way communication sending diagnostics of instruments on demand, with central servers at SPCBs/PCCs and CPCB” Referring to which the core measuring indexes are Millivolt data of Ion selective electrodes type sensors and Photo absorbance or detectors absorbance data of optical sensors. Would it be mandatory or preferred to transmit this raw data of millivolt and absorbance?</p>	Suggestion accepted. Supplied software should establish two way communication sending diagnostics of instruments on demand, with central servers at CECB and CPCB. The core measuring indexes will be Photo absorbance or detectors absorbance based data of optical sensors as a preferred choice for transmission of raw data.
8	No Page Number	<p><b>Query:</b> Referring CPCB water quality guidelines, in the section of Basic requirement of an efficient on line analyser, “Record of calibration and validation should be available on real time basis on central server from each location/parameter” “Record of online diagnostic features including sensor status should be available in database for user friendly maintenance” Would it be mandatory for transmitting Calibration and diagnostics data of point drift coefficients, sensor status, cleaning efficiency, remote triggered cleaning system on dashboard?</p>	The record of calibration and validation should be available on real time basis on central server from each location/parameter as per CPCB guidelines. The bidder should provide alert system to remind for due calibration at fixed interval.
9	No Page Number	<p><b>Query:</b> As per U.S. Geological Survey, A primer on water quality; 1965; USGS Unnumbered Series; GIP; Swenson, H. A.; Baldwin, H. L, the effect of temperature affect accuracy of percentage Hydrogen, Conductivity, Dissolved oxygen, Nitrate. Would it be preferred if all sensor have built in temperature compensation technology, and if this internal temperature data will be transferred to use for</p>	Not acceptable. Hence no change is required.

		data diagnostics?	
10	No Page Number	<p><b>Query:</b> Referring US-EPA 817-B-18-002 Guidance for Building Online Water Quality Monitoring Stations For Source Water and Distribution System Monitoring, which mentions favourable preference of a floating in- situ type installation over a Cabinet type since it overcomes various non-favourable conditions. What kind of system is preferred for this project Floating type or cabinet type?</p>	Incorporating suggestion given by the bidder for Building Online Water Quality Monitoring Stations, cabinet type system will be preferred.
11	No Page Number	<p><b>Query:</b> Would Request to provide installation site Location co-ordinates</p>	Location co-ordinates will be provided at the time of issuance of supply order.
12	No Page Number	<p><b>Query:</b> Would request to relax the payment terms as 60% Capex and 40% opex or per year 10% released after first year</p>	Not acceptable. However, incorporating suggestion given by the bidders the change in terms of payment shall be as under:-(a) 30% 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 and its data display and validation of data by competent authority constituted by the board (d) The mode of remaining 20% payment will be mentioned in the work order.
13	No Page Number	<p><b>Query:</b> Bidder should attached a letter specifying his permission for trading and servicing units and spare parts authorised from the sensor manufacturer for a period minimum up to 2025</p>	Incorporating suggestions, the bidder should attach a letter specifying his assurance for providing spare parts from the authorised sensor manufacturer for a period of 05 years from the date of installation.
14	No Page Number	<p><b>Query:</b> The source of medium being a natural flowing water body, care must be taken that any component or the whole sensor assembly must not flow off and cause any kind of damage to the environment, any species of natural habitat in any manner. A Fluid dynamic analysis report along with the maximum flow holding capacity of the sensor assembly must be provided by bidder.</p>	Not acceptable. Hence no change is required.

15	No Page Number	<p><b>Tender Point :</b> Qualification criteria: The average financial turnover should be at least 5 Crore.</p> <p><b>Query:</b> This is requested to amend to average turnover of 3 years for maximum participation</p>	Incorporating suggestion given by the bidder following change is made:- The average financial turnover of the bidder during the last 3 years should be at-least 3crores from the date of opening of the tender. The bidder has to provide Notarised balance sheet.
16	No Page Number	<p><b>Tender Point :</b> Qualification criteria: Bidder should have supplied attest 3 River water quality monitoring station, documentary proof to be attached &amp; Bidder should have supplied at least 3 stations with 5 parameters asked in tender and must be working for at least 2 years.</p> <p><b>Query:</b> Is it required to be same 3 units to qualify for both points? For maximum participation would request you to allow two sets of 3 units that achieve both the criteria individually.</p>	Incorporating suggestion given by the bidder following change is made:- The bidders should have supplied the system to measure at least 5 parameters asked in the tender online to at least 3 locations is India and all systems supplied should have installed, commissioned and should be running at least for the past one year.
17	No Page Number	<p><b>Tender Point :</b> Qualification: Bidder should have supplied at least 3 stations with 5 parameters asked in tender and must be working for at least 2 years.</p> <p><b>Query:</b> Why it is specifically required for 2 years for the same 3 CWQMS units, making this criteria there is a high probability for favouring a specific bid since there are not many suppliers for such project. For maximum participation. Request you to amend the statement to “Bidder should have supplied at least 3 stations with 5 parameters asked in tender and must be currently in working condition”</p>	Incorporating suggestion given by the bidder following change is made:- The bidders should have supplied the system to measure at least 5 parameters asked in the tender online to at least 3 locations is India and all systems supplied should have installed, commissioned and should be running at least for the past one year.
18	No Page Number	<p><b>Query:</b> The Continuous River Water quality monitoring system projects are limited to few numbers and each of which having many variation with respect to number of parameters, scope of work etc hence considering strict specification of any tender would favour qualification of 1 or 2 bidders only. Request you to develop a generalised qualifying criteria which may allow innovative bids to</p>	The suggestions given by the various bidders have already been incorporated.



		submit providing you better variety of solutions to choose from.	
19	Page No. 6 Point no. 11	<p><b>Tender Point :</b> The tenderer shall provide exclusive company profile including necessary certificates</p> <p><b>Query:</b> Kindly clarify what kind of certificates are desired</p>	The bidder should have product manufacturing certificate from all the concerned authorities like BIS etc.
20	Page No. 13 Point No.2	<p><b>Tender Point :</b> 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.</p> <p><b>Query:</b> Request you to amend by continuous Water Quality Monitoring System instead of Continuous River Monitoring System. Since the sensors used for treated effluent and River Water Monitoring are same the credibility of having supplied such equipments is the same. However the method of installation differs in between a standard plant level monitoring station (Cabinet Type) and a River Monitoring System. Expertise and experience in needed and to be specified for method of installations &amp; method of sampling. Since operation maintenance and warranty of system is desired to be up to 5 Year, it is requested to demand the authorization letter of bidder from manufacturing company should be up to 2026 or later. It is requested to demand that bidder shall provide an undertaking of not having any litigation or arbitration nor should have gone under any trials under law suit with any state/ Central pollution control board.</p>	Suggestion accepted. Accordingly bidder shall provide an undertaking of not having any litigation or arbitration not have gone under any trials under law suit with any State/ Central Pollution Control Board.

### 3. SWAN Environmental Private Limited

S. No.	Clause No./Page No.	Query	CECB Response
1	Page no. 14, qualification criteria for the bidders for the project	<p><b>Tender Point :</b> 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 been installed, commissioned and should be running at least for the past 2 years.</p> <p><b>Query:</b> Please accept and amend The Bidders should have supplied the system to measure at least 5 parameters asked in the tender Online to at least 02 Locations in India and all the systems supplied should have been installed, commissioned and should be running at least for the past 1 year.</p>	Incorporating suggestion given by the bidder following change is made:- The bidders should have supplied the system to measure at least 5 parameters asked in the tender online to at least 3 locations in India and all systems supplied should have been installed, commissioned and should be running at least for the past one year.
2	Page No. 14, Scope of work, i)	<p><b>Tender Point :</b> The Bidder must provide a material availability certificate mentioning that they should supply the material within 15 days from the date of issue of work order.</p> <p><b>Query:</b> Please accept 45-60 days from date of issue of work order.</p>	Incorporating suggestion given by the bidder following change is made:-The bidder must provide a material availability certificate mentioning that they should supply the material within 60 days from the date of issue of work order and the product shall be commissioned within 30 days from the 100% supply of material.
3	Page No. 14, Scope of work	<p><b>Tender Point :</b> The desired offline parameters required to be monitored are Faecal Coliform &amp; Total Coliform.</p> <p><b>Query:</b> Coliforms can also be measured using online sensors. Please include the parameter in online parameter so the real time values can be obtained.</p>	Incorporating suggestion given by the bidder following change is made:-Coliforms can be measured using online sensors and shall be included in online parameters so that real time values can be obtained. However the validation for its measurement shall be done offline once in a month by the bidder.
4	Page No. 31, Technical Specifications of CWQMS	<p><b>Tender Point :</b> Resolution of pH 0.01pH</p> <p><b>Query:</b> As the accuracy mentioned is <math>\pm 0.1</math> pH, Accordingly please amend the resolution to 0.1 pH which will be sufficient to meet the</p>	Incorporating suggestion given by the bidder following change is made:- The resolution to $\pm 0.1$ pH is accepted.

		requirement.	
5	Page No. 31, Technical Specifications of CWQMS	<p><b>Tender Point :</b> Accuracy of conductivity given is <math>\pm 0.01</math> mS/cm</p> <p><b>Query:</b> As the range given is high i.e. (0-70) mS/cm, the sensor with (0-100) mS/cm is to be incorporated and its accuracy will be at least (1-2) % i.e. 0.1mS/cm. Please amend the accuracy to <math>\pm 0.1</math> mS/cm.</p>	Incorporating suggestion given by the bidder following change is made:- The accuracy of conductivity to $\pm 0.1$ mS/cm is accepted.
6	Page No. 31, Technical Specifications of CWQMS	<p><b>Tender Point :</b> Range &amp; Resolution of Nitrates is given as (0-200)mg/L-N and 0.01 mg/L respectively.</p> <p><b>Query:</b> As Nitrates range 0-100 mg/L is sufficient for water bodies and 0.1 mg/L resolution is sufficient to 10% accuracy. Please amend range of nitrates to (0-100) mg/L and resolution as 0.1mg/L.</p>	Incorporating suggestion given by the bidder following change is made:- The Range & Resolution of Nitrates to (0-100) mg/L-N and 0.1 mg/L respectively is accepted.
7	Page 33	<p><b>Tender Point :</b> Bidder should have previous experience of similar nature with any Pollution Control Board or Govt. Institutions/Agencies.</p> <p><b>Query:</b> Please accept any government organizations.</p>	Not acceptable. Hence no change is required.
8	Page No.34, Overall Requirements & Features of online CWQMS	<p><b>Tender Point :</b> Calibration shall be performed by the bidder on weekly basis and when and as required.</p> <p><b>Query:</b> Overall Requirements &amp; Features of online CWQMS Calibration shall be performed by the bidder on weekly basis and when and as required. Calibration shall be performed as per manufacturer recommendation and it differs for each parameter/Technology used and weekly basis is not required. Please amend this point to calibrations shall be performed by bidder as required/recommended by manufacturer/ Minimum 3 Months.</p>	Not acceptable. Hence no change is required.
9	No Page Number	<p><b>Query:</b> Please clarify whether we suppliers get custom duty exemption for</p>	Yes. CECB may provide letter for custom duty exemption as and when required.

		imported items.	
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#### 4. Nevco Engineers Private Limited

S. No.	Clause No./Page No.	Query	CECB Response
1	No Page Number	<p><b>Query:</b> 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.</p>	Not acceptable. Hence no change is required.
2	page number 8	<p><b>Tender Point :</b> 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 shall be issued to the second lowest firm. The maximum penalty for late supply shall not exceed 10% of the total ordered value.</p> <p><b>Query:</b> Hope we all are aware to the ongoing Pandemic COVID situation across the globe. This is affecting on all import, requesting you to please reconsider and extend the supply schedule to 90 days.</p>	Incorporating suggestion given by the bidder following change is made:-The bidder must provide a material availability certificate mentioning that they should supply the material within 60 days from the date of issue of work order and the product shall be commissioned within 30 days from the 100% supply of material.
3	page number 8 point number 4	<p><b>Tender Point :</b> 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.</p> <p><b>Query:</b> so requesting you to extend 90 days.</p>	Incorporating suggestion given by the bidder following change is made:-The bidder must provide a material availability certificate mentioning that they should supply the material within 60 days from the date of issue of work order and the product shall be commissioned within 30 days from the 100% supply of material.

4	page 10	<p><b>Tender Point :</b> The terms of payment shall be as under:</p> <ul style="list-style-type: none"> <li>a) 25 % payment will be released against delivery.</li> <li>b) 25% after installation, commissioning and data transfer of CWQMS</li> <li>c) 25% will be paid after 90 days after satisfactory working of CWQMS &amp; its data display &amp; validation of data by competent authority constituted by the Board.</li> <li>d) The mode of remaining 25% payment will be mentioned in the work order.</li> </ul> <p><b>Query:</b> We request to consider the payment term as 90% through LC and balance 10 % after successful commissioning within 30 days.</p>	<p>Incorporating suggestion given by the bidder the change in terms of payment shall be as under:-(a) 30% 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 and its data display and validation of data by competent authority constituted by the Board (d) The mode of remaining 20% payment will be mentioned in the work order.</p>
5	page number 15	<p><b>Tender Point :</b> 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.</p> <p><b>Query:</b> It is very difficult to supply the asked material in asked time frame. Please consider for 90 days.</p>	<p>Incorporating suggestion given by the bidder following change is made:-The bidder must provide a material availability certificate mentioning that they should supply the material within 60 days from the date of issue of work order and the product shall be commissioned within 30 days from the 100% supply of material.</p>
6	No Page Number	<p><b>Query:</b> Payment term of CAMC after the warranty period not found. Kindly let us know the same.</p>	<p>Not acceptable. As mentioned above, contract will be with 2 years warranty period and 3 years O&amp;M after end of warranty period.</p>

## 5. Axis Nano Technologies

S. No.	Clause No./Page No.	Query	CECB Response
1	Pg. No 5-point no. 3(Special condition)	<p><b>Tender Point :</b> The equipment offered should necessarily contain a guarantee for its trouble-free performance for a period of 2 year. Thereafter, the tenderer will maintain the equipment during O &amp; M period i.e. 5 years.</p> <p><b>Query:</b> Please Clarify this is point is it 7 years O&amp;M including 2 years warrantee or 5 years operation including warrantee 2 years.</p>	As mentioned above, contract will be with 2 years warranty period and 3 years O&M after end of warranty period.
2	Pg. No. 5 point no 5(Special condition) & Pg. 14 point no C.4& Pg No 13 [c] Qualification Criteria	<p><b>Tender Point :</b> The tenderer should furnish details of supplies made by him to important institutions, along with performance certificate, during last one year [Users' list]. The tenderer must submit Client list along with the previous purchase order copies of similar item[s] supplied to any Central /State Pollution Control Boards / any CSIR Laboratory. 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 been installed, commissioned and should be running at least for the past 2 years. 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.</p> <p><b>Query:</b> Important point – Bidder should have riverbank River Quality Monitoring experience with 5 parameters at least at 3 location in India working satisfactorily condition at-least past</p>	No change is required. However the bidder shall be required to demonstrate its product at the actual site of any of the river stretch in Chhattisgarh.

		<p>2 years. (PO and performance letters are important to submit)  <b>Note:</b> River Monitoring experience and eligibility criteria is important because of STP and ETP plants are at safe Indoor locations and operation of the analyser is very easy but the operation of analyser in river bank is too much difficult to maintain, operate and calibrate to changing matrices so request to consider and amend PQC ‘‘ It should be river bank experience for River Monitoring Project of CECB‘‘.</p> <p><b>Note:</b> The demonstration of the instrument for 3 month must be considered or existing three river sites visit must be arranged by bidder for 3 CECB personal to demonstrate the operational stations. The cost of either demonstration or CECB Site Visit shall be in scope of bidder. The demonstration sites must be in operational at least for minimum 2 years from date of tender publishing.</p>	
3	Pg. No5 point no 5 (Special condition)	<p><b>Tender Point :</b>  The firm / manufacturer submitting the offer shall only quote for one most suitable model of the offered equipment whose specification matches the Board’s specifications. No alternate offers shall be considered and, if submitted, the offer shall be rejected.</p> <p><b>Query:</b>  It must be mandatory to comply technology guidelines of CPCB latest direction /guideline and New SOP for calibration for Online Monitoring system, i.e., system must be UV-Visible double beam spectrometry with multipoint calibration Monitoring system. (SOP and direction are attached with our pre-bid queries for your reference)</p>	As per CPCB guidelines issued on July 2018 regarding ‘‘Guidelines for Online Continuous Effluent Monitoring Systems (OCEMS)’’, the basic principle and approved available technologies listed for multi wavelength dual beam scanning in UV visible range with multi point local adaptive calibration help to have matrix change shall be adopted.
4	Pg.8 point No.4 (Other condition ) [c]	<p><b>Tender Point :</b>  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</p>	Incorporating suggestion given by the bidder following change is made:-The bidder must provide a material availability certificate mentioning that they should supply the material within 60 days from the date of issue of work order and the

		<p>value should be levied.</p> <p><b>Query:</b> The time limit for the supply of imported equipment shall be considered as minimum 90 days, after 90 days period penalty should be considered. The expected delays in manufacturing and reason of timeline extension is due to COVID 19.</p>	<p>product shall be commissioned within 30 days from the 100% supply of material.</p>
5	<p>Pg.10 point No.16 (Other condition )[c]</p>	<p><b>Tender Point :</b> 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 &amp; its data display &amp; validation of data by competent authority constituted by the Board. d) The mode of remaining 25% payment will be mentioned in the work order.</p> <p><b>Query:</b> The payment Terms mentioned a),b),c) are absolutely fine, we don't need any change but please clarify point d) in advance, what would be mode of remaining 25% payment?</p>	<p>Incorporating suggestion given by the bidder the change in terms of payment shall be as under:-(a) 30% 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 and its data display and validation of data by competent authority constituted by the Board (d) The mode of remaining 20% payment will be mentioned in the work order.</p>
6	<p>Pg.14, point no D[i] scope of work</p>	<p><b>Tender Point :</b> [i]The Bidder must provide a material availability certificate mentioning that they should supply the material within 15 days from the date of issue of work order.</p> <p><b>Query:</b> The time limit for the supply of imported equipment shall be 90 days, Kindly consider this point and give 90 days extension from the date of work order for supply of goods.</p>	<p>Incorporating suggestion given by the bidder following change is made:-The bidder must provide a material availability certificate mentioning that they should supply the material within 60 days from the date of issue of work order and the product shall be commissioned within 30 days from the 100% supply of material.</p>
7	<p>Pg.14,point no D[vi] scope of work</p>	<p><b>Tender Point :</b> All 10 Stations shall be manned for 24 × 7 remains in the scope of the bidder during the contract period to ensure seamless Continuous Water Quality Monitoring Data from the Water Quality Monitoring Stations. Bidder has to provide security guards on permanent basis to take care of the</p>	<p>Not acceptable. Hence no change is required.</p>



		<p>CWQMS during the warranty period.</p> <p><b>Query:</b> Please Clarify – You mentioned security 24x7 during warrantee period -2 years so do you want these security guards for balance 5 years O&amp;M also?</p>	
8	Pg.15, point no D[ix] scope of work	<p><b>Tender Point :</b> 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.</p> <p><b>Query:</b> We request to increase the timeline of installation and commissioning at all sites within 45 days from the date of 100% material receipt.</p>	Incorporating suggestion given by the bidder following change is made:-The bidder must provide a material availability certificate mentioning that they should supply the material within 60 days from the date of issue of work order and the product shall be commissioned within 30 days from the 100% supply of material.
9	Pg.16, point no 2.0 MINIMUM TECHNICAL SPECIFICATIONS	<p><b>Tender Point :</b> DATA MANAGEMENT AND QUALITY CHECKS Data shall be collected and validated according to APHA &amp; Other BIS standards.</p> <p><b>Query:</b> We request to modify the point as: DATA MANAGEMENT AND QUALITY CHECKS Data shall be collected and validated according to APHA, USEPA, NIST &amp; Other BIS standards.</p>	Not acceptable. Hence no change is required.

## 6. HITECH ENVIRO

S. No.	Clause No./Page No.	Query	CECB Response
1	Page No 6 Clause-5	<p><b>Tender Point :</b> Must submit any order of CPCB/SPCB or CSIR Lab: ---</p> <p><b>Query:</b> Must submit any order of CPCB/SPCB or CSIR Lab: --- We have supplied to Namami Gange project via contractor. Will it be acceptable as Namami Gange is central body?</p>	Not acceptable. Hence no change is required.
2	Page No 13 Clause 2	<p><b>Tender Point :</b> Data Transfer of at-least 3 river, :---</p> <p><b>Query:</b> Data Transfer of at-least 3 river, :--- we have installed at Allahabad, 9 stations, there is merger of 3 rivers, will it be considered.</p>	Not acceptable. Hence no change is required.
3	Page No 13 Clause 4	<p><b>Tender Point :</b> 5 parameters should be live for 2 years:---</p> <p><b>Query:</b> 5 parameters should be live for 2 years:--- We have installed in November 2018, for 5 Parameters COD, BOD, PH, TSS, DO and Flow. will it be considered as 2 Years? Two years will be complete in Nov, 2020. Will it be considered? We have many installations which are working and transferring data for more than 5 years.</p>	Not acceptable. Hence no change is required.
4	Page No 10 Clause 16	<p><b>Tender Point :</b> only 75% payments defined</p> <p><b>Query:</b> only 75% payments defined, when will balance 25% will be paid</p>	Incorporating suggestion given by the bidder the change in terms of payment shall be as under:- (a) 30% 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 and its data display and validation of data by competent authority constituted by the board (d) The mode of remaining 20% payment will be mentioned in the work order.

