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KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

Pattom P.O., Thiruvananthapuram – 695 004

പട്ടം പി.ഒ., തിരുവനന്തപുരം - 695 004

PCB/HO/AEE-3/CANM/04/19

Date: 31.01.2020

From

The Member Secretary

To

M/s ACOEM India

102, Gunjan Towers

Off-Alembaic Gorwa Road|SubhanPura| Vadodara

Gujarath-390023

biswajit.roy@acoem.com

Sub: - Tender ID: 2020-KSPCB-337255-1- Supply, Installation & Commissioning of Real-Time Noise Level Monitoring Station with digital display board and networking system– reg

Ref: - Email from biswajit.roy@acoem.com on 29.01.2020 with Letter dated 29.01.2020 of Acoem Ecotech Industries Pvt Ltd.

Sir,

The clarification requested vide ref. cited is given below.

Sl No	Technical clarification sought by Mr. Harsh Dixit	Reply by Kerala PCB
1.	S.No. 1: Applicable Standards in the specification of Sound Level Meter and basic software shall be rephrased as IEC 61672-1(2013) Class1 with the latest approval. Valid Certificate from LNE, PTB, METAS, CEM or BEV shall be enclosed. Please note that the IEC 61672-1(2012-03) standard doesn't exist. Please amend the spec.	Already reflected in Section-III in Sl.No1 for Applicable Standards it is mentioned as “IEC 61672-1(2012-03) Class1 or with the latest approval Valid Certificate from LNE, PTB, METAS, CEM or BEV shall be enclosed” Yellow highlighted No.03 may be read as 13 (typographical error)

2.	S. No.4: Time Weightings: Please rephrase the standard as IEC 61672-1(2013). The IEC 616172-1 (2002) standard has been withdrawn and doesn't exist anymore. Please amend the spec.	Slow, Fast & Impulse (IEC616721 :2002) Yellow highlighted No.2002 may be read as 2013 (typographical error
3.	S. No.6; Measurement Range: The environmental noise doesn't go up to 140 dB and similarly, the peak value doesn't go up to 150dB. Please change the measurement range to 25-135dB (A) and max. peak value to 140dB(C). The DPCC and APPCB tender have requested for 130dB (A). Please amend the spec.	Followed CPCB Norms
4.	S.No. 11: Communication: Please note that the CDMA communication is obsolete and hence we request to modify this spec as mentioned below to get redundant communication: The NMT should have provision to support with min. three types of redundant communication: <ul style="list-style-type: none"> (a) Mobile phone system (3G / 4G) (b) Direct communication via Ethernet port (RJ45) (c) Wi-Fi Communication (d) Built-in FTP Server and Client If one communication profile fails, the system will connect with redundant communication system automatically	In Section-III (Page 20) it is mentioned GSM/GPRS radio-modem of the latest version Also in technical specifications of Section-III at sl.no.11 for Telemetry/communication It is mentioned as “ The <u>NMT</u> should have provision for interfacing with the following type of communications: GSM/GPRS/ CDMA/Ethernet/PSTN of the latest version
5.	S. No. 15; Security: We suggest to also add "in-built GPS position to identify the present location of installed Noise Monitoring Terminal" which is considered as an important feature for the security parameter. Please amend the spec.	In Section-III (Page 20) it is mentioned GSM/GPRS radio-modem of the latest version
6.	S.No: 26: Environmental: We request you to amend the Humidity from 95% to 90% as the NMT will be inside the enclosure. DPCC and APPCB have also requested the RH of 90% in their respective tenders for the Real-Time Noise Monitoring station. Please amend the spec.	In technical specifications of Section-III at sl .no.26 for Environmental: it is mentioned Humidity up to 95 % RH, non condensing
7.	S. No: 29: Remote Calibration Facility: We suggest to elaborate the requirement and	Remote calibration may be read as known electrical

	<p>may be read as: "The system should perform a remote calibration test to check the whole noise measurement system by means of generating remotely a well-known electrical signal at microphone and proper operation of each unit. This should be automatically used to check the calibration of the microphone, preamplifier, and instrument and the result of an electrical check should be displayed for each site in Central Receiving Station. This check should be repeated twice or thrice on a daily basis to assure the quality data on a daily basis"</p>	<p>signal at microphone and proper operation of each unit.</p>
8.	<p>S.No. 30: Software: The tender specs doesn't gives the clarity where does KSPCB would like to have their data hosted (local server or on cloud server). Does Kerala State PCB also needs Web Monitoring Software. We request you to provide the detailed technical specification with the required features</p>	<p>Would like to have data hosted at local and CPCB server on any mode of transfer data which include cloud connectivity too</p>
9.	<p>Hence, it is requested to extend the due date by 10 to 15 working days along with your valued clarification on the above furnished technical queries which will be an ease for our competitive bidding.</p>	<p>Extension of the period not possible. If any typographical error found, the same shall not be treated as a final spec. And weightage shall be given to the advanced technology and better futures of the system</p>

Yours faithfully,

BINDHU RADHAKRISHNAN Digitally signed by BINDHU RADHAKRISHNAN
Date: 2020.01.31 16:44:14 +05'30'

For Member Secretary

Date: 29th January 2020

To
Kerala State Pollution Control Board , Head Office
Plamood, Pattom P.O., Thiruvananthapuram 695004

Kind Attn.: Member Secretary

Ref Tender No: File No.: PCB/HO/AEE-3/CANM/04/19

Tender Name: For Purchase of Continuous Real Time Noise Level Measuring System (RTNLMS) & its Centralized Networking System along with supply of Digital Display Board

Subject: Request for clarification on Technical Specification followed by Extension of Bid Submission Due Date

Dear Sir,

With reference to your above referred tender and subsequent discussion with Mr. Harsh Dixit on 28th January 2020, we are seeking for some technical clarification which are furnished as follows,

- 1) S.No. 1 :Applicable Standards in the specification of Sound Level Meter and basic software shall be rephrased as :IEC 61672-1(2013) Class1 with latest approval. Valid Certificate from LNE, PTB, METAS, CEM or BEV shall be enclosed. Please note that the IEC 61672-1(2012-03) standard doesn't exist. Please amend the spec.
- 2) S. No.4: Time Weightings: Please rephrase the standard as IEC 61672-1(2013) . The IEC 616172-1 (2002) standard has been withdrawn and doesn't exist anymore . Please amend the spec.
- 3) S. No.6; Measurement Range: The environmental noise doesn't go up to 140 dB and similarly, the peak value doesn't go upto 150dB. Please change the measurement range to 25-135dB (A) and max. peak value to 140dB(C). The DPCC and APPCB tender has requested for 130dB (A). Please amend the spec.
- 4) S.No. 11: Communication: Please note that the CDMA communication is obsolete and hence we request to modify this spec as mentioned below to get redundant communication : The NMT should have provision to support with min. three types of redundant communication:
 - (a) Mobile phone system (3G / 4G)
 - (b) Direct communication via Ethernet port (RJ45)
 - (c) Wi-Fi Communication
 - (d) Built in FTP Server and ClientIf one communication profile fails, the system will connect with redundant communication system automatically
- 5) S. No. 15; Security: We suggest to also add " in-built GPS position to identify the present location of installed Noise Monitoring Terminal" which is considered as an important feature for the security parameter. Please amend the spec.



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- 6) S.No: 26: Environmental: We request you to amend the Humidity from 95% to 90% as the NMT will be inside the enclosure. DPCC and APPCB has also requested the RH of 90% in their respective tenders for Real Time Noise Monitoring station. Please amend the spec.
- 7) S. No: 29: Remote Calibration Facility: We suggest to elaborate the requirement and may be read as:
"The system should perform remote calibration test to check the whole noise measurement system by means of generating remotely a well-known electrical signal at microphone and proper operation of each unit. This should be automatically used to check the calibration of the microphone, preamplifier and instrument and the result of electrical check should be displayed for each site in Central Receiving Station. This check should be repeated twice or thrice on a daily basis to assure the quality data on a daily basis"
- 8) S.No. 30: Software: The tender specs doesn't gives the clarity where does KSPCB would like to have their data hosted (local server or on cloud server). Does Kerala State PCB also needs the Web Monitoring Software. We request you to provide the detailed technical specification with the required features

Hence, it is requested to extend the due date by 10 to 15 working days along with your valued clarification on above furnished technical queries.

Looking forward to your kind cooperation.

Yours Sincerely,



Biswajit Roy
Assistant - Business Control and Administration
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