

WEBEL TECHNOLOGY LIMITED

CORRIGENDUM - I

TENDER NO. WTL/PCB/CAAOMS/22-23/022 dated 28.10.2022

Sl. No	Section No	Clause No	Page No.	Queries	Remarks
1	H - BOM	Sl. j & m	28	Please confirm, you required total Qty.16 Nos. or 8 Nos.	Benzene measurement is requirement and since Benzene measurement will be available in BTEX monitor, bidders can consider BTEX Monitor Qty 08 Nos.
2	H (A)	03 in PM10	38	It should be 0 to 2000 µg/m3	To be read as 0 to 2000 µg/m3. Should have USEPA certification.
3	H (A)	03 in PM2.5	39	It should be 0 to 1000 µg/m3	To be read as 0 to 2000 µg/m3. Should have USEPA certification.
4	H (A)	05 in both PM10 and PM2.5	38 & 39	It should be 2 µg/m3	To be read as 2 µg/m3
5	Make In India. GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/20	Make in India Initiate of Govt. of India order. Inclusion of Aatmanirbhar Bharat Clause as per Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 issued by Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade (Notification attached for your reference) a) GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021	GOI order / Notification attached	We understand the tender being a public procurement by WBPCB/WEBEL, the Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021 with regards to Make in India / Aatmanirbhar Bharat Initiative is applicable for this tender. Please confirm. Also, Class I & Class II preference specified therein the notification will be extended to those qualified bidder who qualifies under the category strictly on the basis of value addition & manufacturing carried out in India on the manufacturing & supply of Continuous Ambient Air Quality Monitoring Station (CAAQMS). Please confirm.	NO CHANGE
6	Make In India. GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020	Make in India Initiate of Govt. of India order. Inclusion of Aatmanirbhar Bharat Clause as	GOI order / Notification attached	We understand the tender being a public procurement by WBPCB/WEBEL, the Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and	NO CHANGE

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	<p>and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/20</p>	<p>per Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 issued by Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade <u>(Notification attached for your reference)</u> a) GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021</p>		<p>subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021 with regards to Make in India / Aatmanirbhar Bharat Initiative is applicable for this tender. Please confirm.</p> <p>Also, Class I & Class II preference specified therein the notification will be extended to those qualified bidder who qualifies under the category strictly on the basis of value addition & manufacturing carried out in India on the manufacturing & supply of Continuous Ambient Air Quality Monitoring Station (CAAQMS).</p> <p>Please confirm.</p>	
7	<p>Make In India.</p> <p>GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/20</p>	<p>Make in India Initiate of Govt. of India order. Inclusion of Aatmanirbhar Bharat Clause as per Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 issued by Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade <u>(Notification attached for your reference)</u> a) GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021</p>	<p>GOI order / Notification attached</p>	<p>We understand the tender being a public procurement by WBPCB/WEBEL, the Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021 with regards to Make in India / Aatmanirbhar Bharat Initiative is applicable for this tender. Please confirm.</p> <p>Also, Class I & Class II preference specified therein the notification will be extended to those qualified bidder who qualifies under the category strictly on the basis of value addition & manufacturing carried out in India on the manufacturing & supply of Continuous Ambient Air Quality Monitoring Station (CAAQMS).</p> <p>Please confirm.</p>	<p>NO CHANGE</p>

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9	<p>Make In India.</p> <p>GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/20</p>	<p>Make in India Initiate of Govt. of India order. Inclusion of Aatmanirbhar Bharat Clause as per Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 issued by Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade</p> <p><u>(Notification attached for your reference)</u></p> <p>a) GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order</p>	<p>GOI order / Notification attached</p>	<p>We understand the tender being a public procurement by WBPCB/WEBEL, the Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021 with regards to Make in India / Aatmanirbhar Bharat Initiative is applicable for this tender. Please confirm.</p> <p>Also, Class I & Class II preference specified therein the notification will be extended to those qualified bidder who qualifies under the category strictly on the basis of value addition & manufacturing carried out in India on the manufacturing & supply of Continuous Ambient Air Quality Monitoring Station (CAAQMS).</p>	NO CHANGE

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		issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021		Please confirm.	
10	Section A Instruction to Scope of Work & Responsibility	Cl. 1 - Detailed Project Structure (All the CAAQM stations are to be integrated to the existing CAAQM central server located in of WBPCB)	Pg 5	<p>Please confirm if separate central server to be supplied under the project, since the Section H - Bill of materials - Sl. q - calls for Central server with required UPS. However, under Section A - Cl. 1 - Detailed Project Structure specifies that all the CAAQMS are to be integrated with the existing CAAQM central server located at WBPCB.</p> <p>Please clarify and confirm.</p> <p>Also, please confirm that any option of Physical server or Cloud server is acceptable.</p>	Tender is self -explanatory
11	Section - H Bill of Materials	Sl. q - Central server system with required UPS and price bid format BOQ_824385.xlsx	Pg 28	<p>Please confirm the number of Central Server required, Section H - Bill of Materials & Price bid BOQ in XLX specifies Qty as 08 Nos. Instead of 01 No. Please note that only 01 No. of Central Server is required for all the 08 Nos. of CAAQMS. Kindly Confirm.</p> <p>Also, based on confirmation kindly change the Qty of Central Sever system under price bid, presently it is specied as 08 Nos under-price bid format BOQ_824385.xlsx</p>	Price Bid updated
12	Section A Instruction to Scope of Work & Responsibility	Cl. 1 - Detailed Project Structure (All the CAAQM stations are to be integrated to the existing CAAQM central server located in of WBPCB)	Pg 5	<p>Please confirm if separate central server to be supplied under the project, since the Section H - Bill of materials - Sl. q - calls for Central server with required UPS. However, under Section A - Cl. 1 - Detailed Project Structure specifies that all the CAAQMS are to be integrated with the existing CAAQM central server located at WBPCB.</p> <p>Please clarify and confirm.</p> <p>Also, please confirm that any option of Physical server or Cloud server is acceptable.</p>	Tender is self -explanatory

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13	Section - H Bill of Materials	Sl. q - Central server system with required UPS and price bid format BOQ_824385.xlsx	Pg 28	Please confirm the number of Central Server required, Section H - Bill of Materials & Price bid BOQ in XLX specifies Qty as 08 Nos. Instead of 01 No. Please note that only 01 No. of Central Server is required for all the 08 Nos. of CAAQMS. Kindly Confirm. Also, based on confirmation kindly change the Qty of Central Sever system under price bid, Presently it is specied as 08 Nos under-price bid format BOQ_824385.xlsx	Price Bid updated
14	Section A Instruction to Scope of Work & Responsibility	Cl. 1 - Detailed Project Structure (All the CAAQM stations are to be integrated to the existing CAAQM central server located in of WBPCB)	Pg 5	Please confirm if separate central server to be supplied under the project, since the Section H - Bill of materials - Sl. q - calls for Central server with required UPS. However, under Section A - Cl. 1 - Detailed Project Structure specifies that all the CAAQMS are to be integrated with the existing CAAQM central server located at WBPCB. Please clarify and confirm. Also, please confirm that any option of Physical server or Cloud server is acceptable.	Tender is self -explanatory
15	Section G - Guidance for E-Tendering	Submission of Hard copy of Technical Bid Sl. a,b,	Pg 27	Please confirm is Hard copy of technical bid and price bid is to be submitted in addition to the uploading of bid and submission in e-procurment website. We understand this hard copy to be submitted within 7 days from date of closing of due date.	Hard copy should be submitted within 72 hours of closure of Online Bid.
16	Section - H Bill of Materials	Sl. f - Ambient Oxides of Nitrogen (NO/NO2/NOx/ NH3) Analyzer	Pg 28	The technical specifications under pg 36 specifies separate specification for NH3 Ammonia Analysers. However Section H - Bill of Materials Sl. f specifies combine Ammonia Analysers along with NO-NO2-Nox. Please clarify if two separate Gas Analyser for measurement of NO/NO2/NOx & NH3 Ammonia is to be quoted	Tender is self -explanatory NH3 analyzer must give NOx readings simultaneously. Tender is self -explanatory NH3 analyzer must give NOx readings simultaneously.

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				separately or a single combine analyser with NO/NO2/NOx & NH3 will suffice the requirement.	
17	Section - H (A) Technical Specifications	AMBIENT AMMONIA ANALYSER (NH3)	Pg 35, 36		
18	Section - H Bill of Materials	“RCC foundation, pillars, platform and misc. works - civil works only (In case the container is to be mounted on a roof top at a height between 3 to 10 meter)” means the bidder may be required to construct a room of same dimension of the container on the roof top at such height and all works in relation to such construction is to be assessed in this item.	Pg 28	Please confirm the number of Site / locations, where the CAAQMS to be mounted on Civil platform of between 3 mtr to 10 mtr height., please confirm the number of such location where the CAAQMS systems to be installed in civil room instead of Shelter.	All stations to be installed with shelter. There is no existing civil room in any of the locations. Creation of Shelter is in bidder scope.
19	Section - H Bill of Materials Sl. No. n - Meteorological Sensors - Barometric Pressure	Bill of Materials Sl. No. n - Meteorological Sensors - Barometric Pressure and Technical specification for Meteorological Sensors - Cl. 8	Pg 28, 43	Kindly clarify the technical specifications for Barometric pressure. The specification followed by CPCB/PCB's for Barometric Pressure is as follows. Range: 500 to 1100 hPa Resolution: 1mbar Accuracy: +/-4mbar	Tender is self -explanatory
20	Section H Bill of Materials Sl. No. c	Sl. No. c - On line UPS (1X15 KVA, 3 hr. back up) (Pg 28) and Technical Specification for UPS Sizing: 2X20KVA (1+1) Parallel redundant UPS (pg 33, 32)	Pg 28, 32, 33	This is reference to UPS specification with regards to 15KVA UPS with 180 minutes or 3 hour backup time provided at Pg 32 & Pg 33 of technical specification. Please note that as per CPCB /SPC's requirement, there should be two separate UPS of 10 KVA with 1 Hour back up for Air conditioners & 5 KVA with 2 Hours back up for Gas Analyser System. Provision of single UPS 15 KVA with 3 hours back up will have following technical	Specification as per corrigendum

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				<p>disadvantages , Hence not recommended by CPCB or SPC's</p> <p>1) Please note that CAAQMS Gas analysers system requires 3.5KVA to 5KVA load for smooth uninterrupted power for operations, however connecting CAAQMS Gas analysers system to a single UPS of 15KVA along with Air conditions will result in frequent surge with interrupted power due to automatic intermittent starting of Air conditioners compressor to cool the cabin.</p> <p>2) 15KVA single UPS with 3 hour backup will consume huge space inside the shelter partition which will result in generating high heat load inside the partition, which is technically not recommended for CAAQMS systems, since calibration Gas cylinders have to be kept in the same partition. Hence, it is highly recommend to reconsider & review your technical specification with regards to single UPS from 15KVA UPS with 3 hour backup with two separate UPS of 10KVA with 1 hour backup for Air conditioners & 05 KVA with 2 hour back up for Gas Analyser system in compliance to CPCB technical specification / guidelines which is followed by majority of the PCB's for CAAQMS Systems. Please confirm.</p>	
21	Section H Bill of Materials Sl. No. c	<p>Technical Specification for UPS</p> <p>Sizing: 2X20KVA (1+1) Parallel redundant UPS (pg 32, 33)</p> <p>and</p>	Pg 32, 33 & Pg 28	<p>This is reference to UPS specification with regards to 15KVA UPS with 180 minutes or 3 hour backup time provided at Pg 32 & Pg 33 of technical specification for Sizing.</p> <p>Please note that the technical specification provided in the tender under the Battery Sizing of UPS technical specification (Pg 32,33)</p>	Specification as per corrigendum

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		Sl. No. c - On line UPS (1X15 KVA, 3 hr. back up) (Pg 28)		<p>specifies 2X20KVA (1+1) Parallel redundant UPS - which we understand is a typographical error based on the requirement of 15KVA under Schedule H - Bill of Materials - Sl. no. c.</p> <p>Please correct and confirm.</p> <p>Please note that with specification of 2X20KVA (1+1) Parallel redundant UPS is not technically feasible to accommodate the UPS inside CAAQMS Shelter for various technical reasons narrated under above Qurey No. 16</p>	
22	price Schedule format BOQ_824385.xlsx	price Schedule format BOQ_824385.xlsx		<p>The following correction & Inclusion in Price bid format BOQ_824385.xlsx is required</p> <ol style="list-style-type: none"> 1) Kindly include provision for inputting the price towards CMOC price for 05 years (year wise) 2) Sl. No. 3 correction in UPS Backup time is 1 hour instead of 3 hours. 3) Sl. NO. 17 - Qty of Central Server is specified as 08 Nos. However 01 Central server is required for all 08 Nos. of CAAQMS. 	Fresh BOQ Updated

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1 Set of 10 KVA & 5 KVA Online UPS with 120 Minutes Backup for every Station	
Capacity	1 Unit of 5KVA & 1 Unit of 10KVA Online UPS
Output Wave Form	Pure Sine wave
Input Power Factor at Full Load	>0.90
Input	220/230/240 VAC for 1 Phase, 380/400/415 VAC for 3 Phase
Input Voltage Range	176 to 288 VAC Full Load
Input Frequency	50Hz +/- 3 Hz
Output Voltage	220/230/240 VAC for 1 Phase
Output Frequency	50Hz +/- 0.5%
Frequency	(Free running); +/- 3% (Sync. Mode)
Inverter efficiency	>90%
Over All AC-AC Efficiency	>85%
UPS shutdown	UPS should shutdown with an alarm and indication on following conditions 1) Output over voltage 2) Output under voltage 3) Battery low 4) Inverter overload 5) Over temperature 6) Output short
Battery Backup	120 minutes in Full Load in Each UPS
Battery	VRLA (Valve Regulated Lead Acid) SMF (Sealed Maintenance Free) Battery
Indicators & Metering	Indicators for AC Mains, Load on Battery, Fault, Load Level, Battery Low Warning, Inverter On, UPS on Bypass, Overload, etc. Metering for Input Voltage, Output Voltage and frequency, battery voltage, output current etc.
Audio Alarm	Battery low, Mains Failure, Over temperature, Inverter overload, Fault etc.
Cabinet	Rack / Tower type
Operating Temp	0 to 50 degrees centigrade
Management Protocol	SNMP Support through TCP/IP