

Office of the Chief Engineer (K)
Bangalore Water Supply and Sewerage Board (BWSSB)

Cauvery Bhavan, 5th floor, K G Road, Bangalore -560 009, Karnataka, (India)
Tel: 91-(080) -22945103 Fax: 91-(080) 22945103 Email:cecd@bwssb.gov.in

No: BWSSB/CEKTE/TA-11/100/2021/2219/2022-23

Dated: 05-12-2022

Bengaluru Water Supply and Sewerage Project (Phase 3)

Design/Engineering, Construction, Commissioning of Centralized SCADA Centre for Monitoring & Control of Water Treatment Plants and Distribution System, Sewerage SCADA for Monitoring of all Sewerage Facilities of BWSSB with Comprehensive Operations and Maintenance of Seven (7) Years

Contract Package-(DBO Package – BWSSP III/JICA/CP-24)

Addendum No. 1

Reference: Invitation for Bids (IFB),
No BWSSB/CEKTE/TA-11/100/2021/2050/2022-23, Dated: 28.10.2022

Amendment in Volumes be referred as under

Sl. No	Tender Reference	Tender Document	Amendments to Tender Document
1	Standard Basic Specification	<p><u>Index Page:</u> PART 7 - INSTRUMENTATION CONTROL AND AUTOMATION WORKS.</p> <p>Part 7, Section 1 – Technical Specifications: Complete Part 7 from Page No. Part 7-1 to Part 7-85 of Standard Basic Specifications.</p>	<p>Replace as below:</p> <p><u>Index Page:</u> PART 7 - PARTICULAR SCADA AND CENTRALIZED SCADA CONTROL CENTER REQUIREMENTS.</p> <p>Part 7, Section 1 – Technical Specifications: Complete Part 7 from Page No. Part 7-1 to Part 7-85 of Standard Basic Specifications is part of Bid Document of Volume-2</p>


Chief Engineer (K)
BWSSB
5th Floor, Cauvery Bhavan,
Bangaluru - 560 009



Sl. No	Tender Reference	Tender Document	Amendments to Tender Document																											
		<p><u>Index Page:</u> PART 8 - GENERAL MECHANICAL REQUIREMENTS</p> <p><u>Index Page:</u> PART 10A - CIVIL, STRUCTURAL AND SEWER NETWORK REQUIREMENTS</p>	<p>Technical Specifications, and not a part of Standard Basic Specifications as currently included.</p> <p><u>Index Page:</u> PART 8 - GENERAL INSTRUMENTATION & CONTROL REQUIREMENTS</p> <p><u>Index Page:</u> PART 10A – CIVIL AND STRUCTURAL WORKS</p>																											
2	Bid Document_Volume-2: Technical Specifications	Bid Document_Volume-2: Technical Specifications of Part 9, 9.10 Pressure Instrumentation, Pressure Transmitters:	<p>Include as below:</p> <p>Bid Document_Volume-2: Technical Specifications of Part 9, 9.10 Pressure Instrumentation, Pressure Transmitters:</p> <p>Technical Specification for Pressure Transmitter to be used with Battery Operated Flowmeter</p> <table border="1" data-bbox="1368 743 2136 1357"> <thead> <tr> <th data-bbox="1368 743 1458 821">Sl. No</th> <th data-bbox="1458 743 1872 821">Specifications</th> <th data-bbox="1872 743 2136 821">Particular Details</th> </tr> </thead> <tbody> <tr> <td data-bbox="1368 821 1458 900"></td> <td data-bbox="1458 821 1872 900">Measuring Principle</td> <td data-bbox="1872 821 2136 900">Absolute and Guage pressure</td> </tr> <tr> <td data-bbox="1368 900 1458 970"></td> <td data-bbox="1458 900 1872 970">Process Temperature Range</td> <td data-bbox="1872 900 2136 970">-40 to 100 Deg C</td> </tr> <tr> <td data-bbox="1368 970 1458 1017"></td> <td data-bbox="1458 970 1872 1017">Supply Voltage</td> <td data-bbox="1872 970 2136 1017">10 to 30 V DC</td> </tr> <tr> <td data-bbox="1368 1017 1458 1080"></td> <td data-bbox="1458 1017 1872 1080">Accuracy</td> <td data-bbox="1872 1017 2136 1080">0.3%</td> </tr> <tr> <td data-bbox="1368 1080 1458 1150"></td> <td data-bbox="1458 1080 1872 1150">Output</td> <td data-bbox="1872 1080 2136 1150">4-20mA</td> </tr> <tr> <td data-bbox="1368 1150 1458 1221"></td> <td data-bbox="1458 1150 1872 1221">Housing</td> <td data-bbox="1872 1150 2136 1221">SS 316L</td> </tr> <tr> <td data-bbox="1368 1221 1458 1292"></td> <td data-bbox="1458 1221 1872 1292">Diaphragm material</td> <td data-bbox="1872 1221 2136 1292">SS 316L</td> </tr> <tr> <td data-bbox="1368 1292 1458 1357"></td> <td data-bbox="1458 1292 1872 1357">Weather protection class</td> <td data-bbox="1872 1292 2136 1357">IP-68</td> </tr> </tbody> </table>	Sl. No	Specifications	Particular Details		Measuring Principle	Absolute and Guage pressure		Process Temperature Range	-40 to 100 Deg C		Supply Voltage	10 to 30 V DC		Accuracy	0.3%		Output	4-20mA		Housing	SS 316L		Diaphragm material	SS 316L		Weather protection class	IP-68
Sl. No	Specifications	Particular Details																												
	Measuring Principle	Absolute and Guage pressure																												
	Process Temperature Range	-40 to 100 Deg C																												
	Supply Voltage	10 to 30 V DC																												
	Accuracy	0.3%																												
	Output	4-20mA																												
	Housing	SS 316L																												
	Diaphragm material	SS 316L																												
	Weather protection class	IP-68																												


Chief Engineer (K)
BWSSB
 5th Floor, Cauvery Bhavan,
 Bengaluru - 560 009

Sl. No	Tender Reference	Tender Document		Amendments to Tender Document	
3		Bid Document_Volume-2: Technical Specifications of Part 9, 9.15 Approved Vendor/Manufacturer/Make List-Instrumentation,		Add to the List in the Sl. No.2 under the Vendor/Manufacturer/Make column: M/S SEIMENS M/S ULTRAFLUX	
		Sl. No.	Description		Vendor/Manufacturer/Make
		2	FLOW METERS/FLOW INDICATOR/ TRANSMITTER (ELECTROMAGNETIC, ULTRASONIC INSERTION TYPE)	M/S EMERSON-USA M/S YOKOGAWA M/S ENDRESS+HAUSER M/S HITACHI HIGH-TECH M/S AICHI TOKEI DENKI CO LTD M/S ABB-GERMANY M/S FORBES MARSHALL	
4	Bid Document - Volume 4: Drawings	Bid Document -Volume 4: Drawings		Drawing to be included: Bid Document -Volume 4: Drawings List of Drawings for Contract Package CP-24 Drawing has to be included. Sl. No. 20. Drawing Title: Schematic Diagram for Flow Meter Chamber: Drawing No. ONTB.BWSSP(3).CP24-CSC-009 The drawing is attached with the Addendum No. 1 For Information only: A4 Size Drawings Print out of Sl. No. 1, 2 & 3 are attached with the Addendum No.1 for information only.	
		Sl. No.	Drawing Title		Drawing No
		1	Current Master SCADA System Configuration at Shimsha Bhavan		ONTB.BWSSP(3).CP24-CSC--001
		2	Current- Water SCADA Data Transmission Network	ONTB.BWSSP(3).CP24-CSC--002	


Chief Engineer (K)
BWSSB
5th Floor, Cauvery Bhavan,
Bengaluru - 560 009

Sl. No	Tender Reference	Tender Document		Amendments to Tender Document
		3	Diagram Current-Sewerage SCADA –Data Transmission Network Diagram ONTB.BWSSP(3).CP24-CSC--003	
5				For information Only: Attachment -1_AVAILABLE UFW DATA is attached with the Addendum No. 1.
6	Section IX, Contract Forms	<u>Payment Schedule</u> <u>Installation, testing, trial run, performance Guarantee Test and commissioning of Control & Automation, Instrumentation & Electrical Plant, Equipment and Machinery for incorporation in the Permanent Works (Schedule 2)</u> <u>Successful Installation : 60%</u> <u>Completion of Testing, Trial Run and performance guarantee test and commissioning : 30%</u>		<u>Payment Schedule</u> <u>Installation, testing, trial run, performance Guarantee Test and commissioning of Control & Automation, Instrumentation & Electrical Plant, Equipment and Machinery for incorporation in the Permanent Works (Schedule 2)</u> <u>Successful Installation : 70%</u> <u>Completion of Testing, Trial Run and performance guarantee test and commissioning : 30%</u>


Chief Engineer (K)
 Bangalore Water Supply and Sewerage Board, Bangalore
 **Chief Engineer (K)**
 BWSSB
 5th Floor, Cauvery Bhavan,
 Bengaluru - 560 009