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CORRIGENDUM NOTICE

Bid identification No. 514/ CSS/ TENDER / Vol- III/2026-2027

Bid identification No.495/ CSS/ RKVY / Vol-I / 2026-2027

Name of the Tender: BMC, Milk Analyser with Weighing Machine & DG sets Date 23.01.2026

The following changes has been made

1.The changes in Technical specification of, Milk analyser with Weighing Machine, BMC & DG sets as per the Pre- Bid Meeting on 04.02.2026.

2.

- a) The revised Specification along with other terms & condition for Milk Analyzer with Weighing machine
- b) Bulk Milk cooler (2KL/5KL/10KL) at
- c) DG sets

at **Annexure-I**
Annexure-II
Annexure-III

ANNEXURE- I

ANALYZER & STIRRER WITH BATTERY BACKUP CHARGING BY SOLAR ELECTRICITY, DPU & WEIGHING BALANCE			
SI No	Earlier Specification		Present Specification
A. 1.0	Milk Analyser	Analyzer with external Lithium Battery Backup Stand by -5 - 6 hours, virtual charging by Electric / Solar panel Cap- 50watt. Stirrer Runs with Same power supply to Analyzer with Wi-Fi/ Blue tooth enabled	Analyzer with external Lithium Battery Backup Stand by -5 - 6 hours, virtual charging by Electric / Solar panel Cap- 50watt. Stirrer Runs with Same power supply to Analyzer with Wi-Fi/ Blue tooth enabled
1.1	Functional Requirement	To test & display FAT, SNF & Added water/ Lactose/ Protein/ Salts, /Temp/Density sample Milk.	To test & display FAT, SNF & Added water/ Lactose/ Protein/ Salts, /Temp/Density sample Milk.
1.2	Type	Direct FAT:0.5% to 12% accuracy+/-0.1% Measuring 12% to 15% accuracy+/-0.2% Parameters: SNF: 6% to 15% accuracy: +/-0.15% Temperature: 1°C to 40°C Calculated: CLR:15 to 40 accuracy : +/-1 Parameters: Protein :2% to 7% accuracy+/-0.1 Lactose: 0.01% to 6% accuracy+/-0.2 Resolution: Added Water in Milk 0% to 99% Accuracy: +/-3% FAT, SNF , Lactose,Protein, Salts: 0.01% Temperature: 1°C CLR:0.5, Added Water:1% Repeatability: FAT: +/-0.07% SNF: +/-0.1%, CLR+0 Milk Testing time (Measurement -25 sec to 40 Sec Milk price Per Liter on Display	Direct FAT:0.5% to 12% accuracy+/-0.1% Measuring 12% to 15% accuracy+/-0.2% Parameters: SNF: 6% to 15% accuracy: +/-0.15% Temperature: 1°C to 40°C Calculated: CLR:15 to 40 accuracy : +/-1 Parameters: Protein :2% to 7% accuracy+/-0.1 Lactose: 0.01% to 6% accuracy+/-0.2 Resolution: Added Water in Milk 0% to 99% Accuracy: +/-3% FAT, SNF , Lactose,Protein, Salts: 0.01% Temperature: 1°C CLR:0.5, Added Water:1% Repeatability: FAT: +/-0.07% SNF: +/-0.1%, CLR+0 Milk Testing time (Measurement -25 sec to 40 Sec Milk price Per Liter on Display

1.3	Technical	<p>Milk Temperature: 1 to 40°C Measurement Time: 25 Sec to 40 Sample Volume: 15 ml Average Speed: 90-120 samples/hr Number of Calibration: 3 Operation Time Limit: Continuous Display: High contrast blue / green backlight 4 line 20-character LCD Display. Average Speed: 90 to 120/hr Environmental: Ambient Temperature 10°C to 40°C Conditions: Relative Humidity 30 to 80%</p>	<p>Milk Temperature: 1 to 40°C Measurement Time: 25 Sec to 40 Sample Volume: 15 ml Average Speed: 90-120 samples/hr Number of Calibration: 3 Operation Time Limit: Continuous Display: High contrast blue / green backlight 4 line 20-character LCD Display. Average Speed: 90 to 120/hr Environmental: Ambient Temperature 10°C to 40°C Conditions: Relative Humidity 30 to 80%</p>
1.4	Connectivity	Should have provision for serial communication (RS232/USB) / wire less/ IoT Integration/ Application Programming Interface(API) for integration with ERP.	Should have provision for serial communication (RS232/USB) / wire less/ IoT Integration/ Application Programming Interface(API) for integration with ERP.
1.5	Test & Cleaning Log	Can save test & Cleaning count	Can save test & Cleaning count
1.6	Storage data on analyser	30 days minimum	30 days minimum
1.7	Electricals	<p>1.In Put Voltage 100-264V 50Hz 2.Battery 12V12ah Li- Fe P04 3.Output 2output (1 for analyzer and 1 for Stirrer) 4.Backup > 250 sample 5.solar input 50W solar panel 6. Solar charging: MPPT charge controlling 7.Charging source Mains + solar 8.Output voltage supply sequence Mains (Priority 1) (battery priority)</p>	<p>1.In Put Voltage 100-264V 50Hz 2.Battery 12V12ah Li- Fe P04 3.Output 2output (1 for analyzer and 1 for Stirrer) 4.Backup > 250 sample 5.solar input 50W solar panel 6. Solar charging: MPPT charge controlling 7.Charging source Mains + solar 8.Output voltage supply sequence Mains (Priority 1) (battery priority)</p>
1.8	Manual	Operating Manual each in English & Local language per AMCU supply	Operating Manual each in English & Local language per Milk Analyzer with DPU supply
2.0	Cleaning	Auto Buzzer Required,	Auto Buzzer Required,
B. 2.1	Ultrasonic Milk sample Stirrer	Detachable	Detachable
2.2	Functional Requirement	To remove air from fresh milk sample by vibrations created in the milk before testing of milk.	To remove air from fresh milk sample by vibrations created in the milk before testing of milk.

2.3	Operational Abilities	Mode selection for Type of Milk ; (1) cow, Buffalo ,Mixed / single Curve with Cleaning calibration, system error list etc.	Mode selection for Type of Milk ; (1) Cow, Buffalo ,Mixed / single Curve with Cleaning calibration, system error list etc.
2.4	Type	Table Top, Ultrasonic Stirrer	Table Top, Ultrasonic Stirrer
2.5	Stirrer for Ultrasonic stirrier	Frequency and Time Setting	Frequency and Time Setting
2.6	Ultrasonic Frequency	20-25 KHz (Variable)	20-25 KHz (Variable)
2.7	Timer	1-99 Sec selectable	1-99 Sec selectable
2.8	Environment	Suitable for dusty/humid village environment, operating temperature -5 to 50 Degree C	Suitable for dusty/humid village environment, operating temperature -5 to 50 Degree C
2.9	Complete Ready to use	Item complete in all respect with required electric/electronic parts, ready for use at site.	Item complete in all respect with required electric/electronic parts, ready for use at site.
3.10	MoC For body	AISI 304, 1.2 mm thick minimum	AISI 304, 1.2 mm thick minimum
3.11	Operating Voltage & power supply for Milk Analyzers	230 Volts +/-10, AC,50 Hz and 12 Volts DC	230 Volts +/-10, AC,50 Hz and 12 Volts DC
3.12 ***	Loose accessories	Holdingbottomtrayforspillage -1No. Connectivity through Bluetooth ACPowercablewithplugtop-1 No. Measuringmugs-2No Dailycleaningsolution- No.ofBottle3(Quantityminimum200mlor equivalent). WeeklycleaningsolutionNo.ofBottle2 (Quantity minimum m200mlor equivalent)OR Monthly Cleaning solution- No of bottle 2 Minimum 200 ml or equivalent	Holdingbottomtrayforspillage -1No. Connectivity through Bluetooth ACPowercablewithplugtop-1 No. Measuringmugs-2No Dailycleaningsolution- No.ofBottle3(Quantityminimum200mlor equivalent). WeeklycleaningsolutionNo.ofBottle2 (Quantity minimum m200mlor equivalent)OR Monthly Cleaning solution- No of bottle 2 Minimum 200 ml or equivalent
3.13	Certificate	Milk Analyzer must be CE Certified	NA
3.14	Performance Certificate	Performance certificate should be approved from NDDB calf	Performance certificate should be approved from NDDB calf
3.15	Secured Calibration	Milk-Analyzer should be Bluetooth/WIFI enabled device and secured calibration is possible through mobile. Only authorized person can operate through secured mobile app, hence error free calibration without any manual intervention. All the historical	Milk-Analyzer should be Bluetooth/WIFI enabled device and secured calibration is possible through mobile. Only authorized person can operate through secured mobile app, hence error free calibration without any manual intervention. All the historical

		data of calibration is stored on the cloud	data of calibration is stored on the cloud
3.16	Preventive	The system should be capable of recording Cleaning data and Error Log, which is stored on the cloud. This data may provide actionable alerts for preventive maintenance	The system should be capable of recording Cleaning data and Error Log, which is stored on the cloud. This data may provide actionable alerts for preventive maintenance
3.17	Mobile Application	Blue tooth enabled Mobile application	Blue tooth enabled Mobile application
3.18	Warranty	3 Years	3 Years from date of installation
3.19	MOC	AISI 304 0.75 mm thick minimum	AISI 304 0.75 mm thick minimum
3.20	Operational abilities	Mode selection for type of milk-(1) Cow, Buffalo, Mixed/Single curve with cleaning, calibration, system error list etc.	Mode selection for type of milk-(1) Cow, Buffalo, Mixed/Single curve with cleaning, calibration, system error list etc.
*** Specifications from 3.12 to 3.20 may be considered as additional specification of Milk Analyzer			

SPECIFICATION OF MICROPROCESSOR BASED DATA PROCESSOR UNIT WITH IN BUILT THERMAL PRINTER may be considered.

4.0	DPU Within built printer & 4G GSM Modem with external antenna with wi-fi, Bluetooth enabled	<ul style="list-style-type: none"> - Microprocessor: 32-bit or higher, 1.5GHz or higher - Operating System: AOSP/Linux Kernel - RAM: 128MB DDR2 or higher - Memory: 256MB Flash - Storage : In built SD card (8GB or higher) - Clock: Built-in RTC (Realtime clock) with Battery - Display: 3.2" or higher TFT/ Touch Screen Color LCD/Graphic LCD - Printer: Inbuilt Thermal Printer 	<ul style="list-style-type: none"> - Microprocessor: 32-bit or higher, 1.5GHz or higher - Operating System: AOSP/Linux Kernel - RAM: 128MB DDR2 or higher - Memory: 256MB Flash - Storage : In built SD card (8GB or higher) - Clock: Built-in RTC (Realtime clock) with Battery - Display: 3.2" or higher TFT/ Touch Screen Color LCD/Graphic LCD - Printer: Inbuilt Thermal Printer
4.1	Main Components	DPU	DPU

4.2		<ul style="list-style-type: none"> - Modem:4GModemwithslotfor external antenna - Ports:2 xUSB,4xRS232 (Wired/wireless) - Keyboard:USBPC Keyboard - Battery Backup: Inbuilt - Wi-Fi: Wi-FiHotspottotransfer data when GSM network is not available. - Bluetooth: Bluetooth communication capability with Ultrasonic milk analyser, Electronic weighing scale, Remote digital display. 	<ul style="list-style-type: none"> - Modem:4GModemwithslotfor external antenna - Ports:2 xUSB,4xRS232 (Wired/wireless) - Keyboard:USBPC Keyboard - BatteryBackup: Inbuilt - Wi-Fi: Wi-FiHotspottotransfer data when GSM net work is not available. - Bluetooth: Bluetooth communication capability with Ultrasonic milk analyser, Electronic weighing scale, Remote digital display.
4.3	Remote Display	<ul style="list-style-type: none"> - LEDheight-12.5 mm,7Segment, - RS232interface,alongwith5-meter power and data cable 	<ul style="list-style-type: none"> - LEDheight-12.5 mm,7Segment, - RS232interface,alongwith5-meter power and data cable
		Cabinet: ABS/GPSP powder coated rust free cabinet	Cabinet: ABS/GPSP powder coated rust free cabinet
4.4 C.	Printer Specification (Thermal printer detachable)	<ol style="list-style-type: none"> 1. Printing Paper Size – 53-58 mm 2. Operating voltage – 12v 3. Interface –RS 232. 4. Printing Parameters –FAT, SNF, CLR, PROTINE, LACTOSE, SALT, ADDED WATER, RATE 5. MOC – GI- COATED 	Inbuilt Thermal printer with DPU
4.5 D	External Key Board	External Key Board	External Key Board

4.6 The supplier should also provide Annual Maintenance Contract after warranty period on chargeable basis, if felt necessary by the purchaser.

4.7 Training – The supplier shall ensure proper and accurate functioning of all the components of the Milk Analyzer and impart training to the operating staff in operation, maintenance and routine check till the operating staffs are confident in operation and routine maintenance.

4.8 Operational & Cleaning SOPs (including leaflet on troubleshooting) - Provide laminated wall chart indicating important steps involved in operation & cleaning of the Milk Analyser for displaying in DCS.

SPECIFICATION OF WEIGHING MACHINE FOR ANALYZER

Sr.No	Particulars	Specification
10	Electronic Weigh Scale	100 KG KG / LTR FACILIT
1.1	Functional Requirement	To Electronically weigh & digital display of milk quantity in litre in a container
1.2	Capacity	100k
1.3	Least Count	10 m
1.4	Weight Accuracy	10 gm as per Standards of W & M Rules 1987 medium accuracy Class III
1.5	Certification & Stamping	Duly Certified and stamped by W&M Dept. and confirming to IS:9281(pt 1&2) 1979, 199281 and 199281 (pt.4) 1983 as amended u -to-date.
1.6	Display Resolution	1/10,000 accuracy , Class-III
1.7	Load Cell	200k S/S ADI
1.8	Over Load & shock Load Protection	300% to take impact of loading with audio (beep) visual indication
1.9	Platform Size	400 mm X 400 mm
1.10	Platform Material	MS Structure with SS Top Platter of SS-304
1.11	Platform under frame material/design	Cold rolled mild steel box of adequate size, Hot dip galvanized after fabrication . All screw/bolts/nuts to be of SS.
1.12	Indication in display EWS Unit	Quantity-7 segment RED LED,6 digits, minimum 1.3 mm height, display for mode of operation zero,tare,kg/litre,by default KG.
1.13	Display Unit Mounting	Pole mounted type with sturdy base 38mm dia pipe 1.2 m height Display unit to be made of ABS cover with IP 55, Tactile switch keys with feedback response auto calibration & auto span with drift correction

		RS 232 Serial port with protocol to meet requirement of computer compatible
1.14	Calibration protection & Sealing Arrangement	Special arrangement to house PCB & Sealing arrangement
1.15	Load Cell Cable	Load Cell cable from platform to display unit with reinforced head PVC conduit.
1.16	Battery for working on power failure	In built, 6 V capacity minimum for 6 hrs.
1.17	Power Supply	As given above with minimum 1 m power cable with plug top AC/SC
1.18	Model Approval Certificate	Manufacturer to have model approval certificate of regulatory authority / Govt of India Weights & Measure Unit
1.19	Stamping at Site	Supplier to arrange stamping of each scale at site from local weights & measure inspector before installation. Supplier should include the cost of stamping in the unit of AMCU/Analyzer for the 1 st year only. Stamping of each weighing scale from 2 nd year onwards will be in the SCOPE of EIA.
1.20	Legal Metrology	Party having State Legal Metrology License for both dealer / repair should be produce in tender document.
1.21	Warranty	12 months from date of installation or 15 months from date of supply.

TECHNICAL BID (Part-I) for Supply installation commissioning & testing of Milk analyser with solar panel, external lithium battery with weighing machine at Milk Union level.

Sl No	Minimum Average annual Sales Turnover earlier for FY 2023-24 & 2024-25 (Rs in Cr)	Minimum Average annual Sales Turnover earlier for FY 2023-24 & 2024-25 (Rs in Cr)
01	2.00 Cr	8.00 Cr

ANNEXURE-II

SUPPLY INSTALLATION COMMISSIONING & TESTING OF BULK MILK COOLER AT DIFFERENT MILK UNION LEVEL IN STATE OF ODISHA

TECHNICAL SPECIFICATION OF BULK MILK COOLER(2KL/5KL/10KL)

1.4 CIP solution holding tank for BMC : Not Applicable

DG SET WITH ACCESSORIES FOR 10KL BMC

5.0 Air/water cooled diesel Generating Set(DG Set): - In place of 63KVA , it may be 58.5KVA

CAN DRIP SAVER (For 5KL/10KL BMC)

9.2.1 Rack of 2mtr length :- In place of 51 mm GI Pipe it may be 51MM SS Pipe

For DG Sets supplied along with BMC (2KL/5KL/10KL)

In addition to earlier specifications

DG SETS (Preferably Kirloskar/Mahindra/Eicher/Ashok Leyland/TATA)

1. Earthing (two Nos in single phase DG Set & four Nos in three phase DG Sets), cabling, & changeover switch will be with the scope of Bidder
2. Foundation for installation of DG Sets will be the scope of EIA (Milk Unions)

WEIGHING BALANCE for BMC(2KL/5KL/10KL)

In addition to earlier specifications

1. Warranty:- 12 months from date of installation or 15 months from date of supply.
2. Stamping at Site- Supplier to arrange stamping of each scale at site from local weights & measure inspector before installation for 1st year only. Stamping of each weighing scale from 2nd year onwards will be in the SCOPE of EIA.(Milk Unions)

ANNEXURE-III

SUPPLY INSTALLATION COMMISSIONING TESTING & RUNNING OF DG SETS AT DIFFERENT MILK UNIONS

DG SETS (Preferably Kirloskar/Mahindra/Eicher/Ashok Leyland/TATA)

In addition to earlier specifications

3. Earthing (two Nos in single phase DG Set & four Nos in three phase DG Sets), cabling, & changeover switch will be with the scope of Bidder
4. Foundation for installation of DG Sets will be the scope of EIA (Milk Unions)