

eTendering System Government of Kerala

Published Corrigendum Details

Date: 31-Jan-2025 03:16 PM



Organisation Chain :	Kerala Co-operative Milk Marketing Federation Ltd KCMMF Ltd Head Office Pattom, Trivandrum Projects	
Tender ID :	2025_KCMMF_727485_1	
Tender Ref No :	KCMMF/KHO/PROJ (533) /2025	
Tender Title :	10 KL Multi stage homogenizer Cream separator	
Corrigendum Type :	Date	

Corrigendum:1

Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size(in KB)
DATE EXTENSION	DATE CORRIGENDUM	31-Jan-2025 02:46 PM	CGMDATE.pdf 🙀	41.99

Critical Dates			
Publish Date	17-Jan-2025 05:30 PM	Bid Opening Date	14-Feb-2025 02:00 PM
Document Download/Sale Start Date	18-Jan-2025 10:00 AM	Document Download/Sale End Date	13-Feb-2025 02:00 PM
Clarification Start Date	18-Jan-2025 10:00 AM	Clarification End Date	13-Feb-2025 02:00 PM
Bid Submission Start Date	18-Jan-2025 10:00 AM	Bid Submission End Date	13-Feb-2025 02:00 PM
Pre Bid Meeting Date	20-Jan-2025 11:00 AM		

Details Before Corrigendum

Critical Dates			
17-Jan-2025 05:30 PM	Bid Opening Date	01-Feb-2025 02:00 PM	
18-Jan-2025 10:00 AM	Document Download/Sale End Date	31-Jan-2025 02:00 PM	
18-Jan-2025 10:00 AM	Clarification End Date	31-Jan-2025 02:00 PM	
18-Jan-2025 10:00 AM	Bid Submission End Date	31-Jan-2025 02:00 PM	
20-Jan-2025 11:00 AM			
	18-Jan-2025 10:00 AM 18-Jan-2025 10:00 AM 18-Jan-2025 10:00 AM	18-Jan-2025 10:00 AM Date 18-Jan-2025 10:00 AM Clarification End Date 18-Jan-2025 10:00 AM Bid Submission End Date	



eTendering System Government of Kerala

Published Corrigendum Details

Date: 31-Jan-2025 03:13 PM



Organisation Chain :	Kerala Co-operative Milk Marketing Federation Ltd KCMMF Ltd Head Office, Pattom, Trivandrum Projects
Tender ID :	2025_KCMMF_727485_1
Tender Ref No :	KCMMF/KHO/PROJ (533) /2025
Tender Title :	10 KL Multi stage homogenizer Cream separator
Corrigendum Type :	Technical Bid

te Document Name	Doc Size (in KB)
3:13 CGMSPECIFICATION.pdf	431.26
=	

CORRIGENDUM

Design, Supply, Erection, Testing and Commissioning of 10 KL Multi-stage homogenizer(2500 psi) & Cream separator with all accessories and necessary training to the operating crew of our milk processing unit at Central Products

Dairy, Alappuzha in LSTK basis.

Tender ID: 2025_KCMMF_727485_1

Tender Reference Number: No. KCMMF/KHO/PROJ (533)/2025

A duly signed copy of the bid query reply was submitted along with the tender document.

10 KL Homogenizer & Cream Separator machines procurements - Bid Query & Reply

SL No	Bidder's Query	KCMMF LTD reply
A	10 KL Homogenizer	
1	Technical specification for Homogenizer sub clause 2.1 Capacity it is mentioned that 10, LPH skid mounted type- We presume that "Machine mounting on foundation leg mounted with Vibration resistance pads"	Machine mounting on foundation legs or structure with vibration resistance pads required
2	As Per the specification 2.1.1.e, Homogenizing	

sd	sd	sd
MOHANAN .G, Sr. Project	Bilssy Devi. O.B, Asst Manager,	Shyama Krishnan , Manager, CPD
Consultant	Projects	

valve & We red	two stages hydraulic actuated wi valve seat. Impo, stellite mall rich quested to add the pressurized valraulic/Pneumatic by actuates.	be hydraulica	ooth stages of the homogenizer head shall ally adjusted as per the requirements.
homog Stattlite We red Carbid		ted of - construction is acceptable Tungsten carbide mate	or quality of materials used for the of the machine and associated components. The Bidder may offer stellite/ tungsten rials for the homogenizing device.
Pressu homogoutlet switch We pressu We wil	Carbide which is more stronger materials than requested by the purchaser It is noticed a note in 2.1.1 design" Note: - Pressure release need at the outlet of the homogenizer and in case of increase in outlet pressure, homogenizer need to switch of automatically" We presumed that it is requesting high pressure mechanical safety-We will provide high pressure relief mechanical safety valve in compression block.		milk processing operation if pressure eyond the limit at the output of we require Pressure Relief valve to be opened and at the same time needs to be switched off to safeguard the the milk processing operation, if the ssure exceeds the set value at the g head, machine should not get jammed ould not be milk leakage to drain. Hence, should be so designed to include a lief valve to ensure that no time will the sure exceed the set value.
system	We observed a discrepancy in the lubrication system vide item No 2.1.1.5 and 2.1.2.1. first requesting forced feed lubrication and other of		rication system to be provide as per
sd		sd	sd
MOHANAN .G, Sr. Pro	oject Bilssy Devi. C Projects	.B, Asst Manager,	Shyama Krishnan , Manager, CPD

	Splash lubrication-		manufacturer	design
В	we will provide Forced 1 10 KL CREAM SEPERA			
	10 ILL ORLINI BLI LIGI			
1		vide clause 2.2.1, the milk wn as 45-55 Deg C with		typing error in the specification it may be minimum 3.8 $\%$ to maximum 6 $\%$ FAT
		the product incoming Deg C. confirm	_	cream separator the incoming milks 35-45 Deg C and we were getting 72%
			Hence compl	ly specification.
2	Obtaining cream with 7	70% to 72% fat.		
	We presume that the obtained shall be of 28°	e percentage of cream % to 45%- confirm	and hence ex	getting 72 % FAT from the old machine repecting more efficiency with improved ence please comply the specifications.
3	The specification is scleaning refers 2.2.3 &	seen as mixed type of 2.2.4.	Specification requesting to supply with Manual clear	
	Please specify Milma Manual or Self cleaning	required which type		
3a (new)		milk – Can 0.05-0.08% ed capacity of 10.0001/h ntioned below.		
	Pre-conditions raw milk Quality of the ray pH > 6.6 - 6.8			
	sd	sd		sd
OHANAN .G, Sr. Project				

Projects

Consultant

- Total plate count ≤ 1,000,000 cfu / ml
- Cell count ≤ 300,000 / ml
- Taste & appearance Pure, natural
- No added water Freezing point \leq -0.520 $^{\circ}$ C
- Storage time < 48 hours
- Storage temperature ≤ 6°C

If the raw milk has been in storage for \geq 48 h the skimming efficiency can decrease by up to 10 % due to mechanical treatment during this period!

Any additions to the raw milk (i.e. buttermilk, homogenized milk, etc.) are not permitted.

The raw milk reception and milk treatment plant should be designed in that way that air is not incorporated into the product, which could be caused by:

- improper filling from the tank truck
- improper unloading of the silos
- improper pumps
- improper sized piping systems
- improper balance tanks (milk running volume = 3 % of feed capacity)

Aim is to have less than 1.5% air in the feed of the separator. Higher values lead to a reduction of the skimming efficiency.

		sd	sd	sd
MOI	HANAN .G	, Sr. Project	Bilssy Devi. O.B, Asst Manager,	Shyama Krishnan , Manager, CPD
Con	sultant		Projects	

	 Machine parameters to follow: Separation temperature should be between 52 - 58° C. Feed capacity has to be constant. Cream fat content has to be in a range of 28 - 45 % fat. Machine must be properly CIP-cleaned according to the recommendation of the manufacturer. 	
4	As per the specification vide item no, 2.2.5, centrifuge milk feeding shall be from the bottom. We request to correct as the feed from the top of centrifuge	The existing machine milk feeding also from the bottom side. Hence recommended to provide through bottom side for getting more efficiency. Comply with specifications
5	Specification calls with frame for the separator & motor covers as steel cladded- We requested to change as Non cladded steel	The equipment required for milk processing. Hence upper part of and frame hood shall be of stainless steel. Lower part of the frame shall be encased in stainless steel- Must meet with food processing/ Dairy standards.
6	Item no 2.2.6 shall be modified as Belt driven centrifuge for the drive unit	Comply specifications (Shaft mounted)
7	Specification & supply required for cream separator- But the features mentioned in 2.2.8 are mostly for clarifier. The minimum fat contentment is shown as Zero- it shall be 0.1 % minimum	We required cream separator and all standard features shall be provided by the supplier. The minimum fat content in the sludge shall be as per tolerance limit specified in the standard in which machine manufactured meeting Alpha Lavel.

sd	sd	sd
MOHANAN .G, Sr. Project	Bilssy Devi. O.B, Asst Manager,	Shyama Krishnan , Manager, CPD
Consultant	Projects	_

8	2.2.7 Drive VFD Control – Manual Machines comes with Star Delta start	Suitable drive shall be provide for manual operation
9	As per clause 2.2.10-it is requesting- Vibration sensor for overall vibration monitoring, Frame mounted 4-20mA. – We will provide anti vibration pad and during the commissioning time will show zero vibration with full operation	We required Vibration free machine with a mechanical design adequacy and requires Vibration monitoring system as specified.
10	We presume that vide item no 2.2.11 (10)- Flash light indicating bowl in rotation, Milma requires Speed & rotation of the machine- We will show the same in HMI display parameters- Manual Machines comes without HMI and panel will be simple star Delta panel without PLC.	The supplier has to provide the integrated operation of the Pasteurizer, homogenizer and cream separator for which automatic operation required through HMI. Manual cleaning required only for cream separator and all other operation via automatically. Further cream separator shall have a revolution counter to monitor the speed of the rotating bowl. Hence please comply specification
11	Specification called for self supporting steel platform for the separator in vide item- 2.2.15. We will provide support for the separator	The equipment shall be provided with suitable structure for stable operations.

sd	sd	sd
MOHANAN .G, Sr. Project	Bilssy Devi. O.B, Asst Manager,	Shyama Krishnan , Manager, CPD
Consultant	Projects	-