

S. No	Clause No	Page No	Tender	Statement as per tender	Query by bidder	Response by NDDB Dairy Serv	Remarks
1	1.2	44/81	5KL	Cooling requirements at 48 degree celsius : First collection ( 50 % rated capacity) from 35 degree celsius to 4 degree celsius within 3 hours 15 minutes and Second collection (remaining 50 %) from 10 degree celsius to 4 degree celsius within 1 hours 40 minutes	As per the ISO 5708 and BIS-IS 3661 , 2AII standards & norms, all other Cooperative dairies & private dairies consider cooling requirements at 38 degree celsius ambient: First collection (50% rated capacity) from 35 degree celsius to 4 degree celsius within 3 hours and second collection (remaining 50 % from 10 degree celsius to 4 degree celsius within 1 hours 30 minutes)	As per our operational requirements, the Condensing Unit designed for an <b>ambient temperature of 48 °C</b> , with cooling performance meeting the specified time criteria as mentioned in technical specifications. This is the reason for removing "A" in the technical specifications.	
2	1.3	44/81	5KL	The actual capacities (100%) shall be determined with the tank filled to a level that the sprayers and sprinklers for CIP provision shall not come in contact with the milk and milk should not drained outside via the washing spray system for example, rotary sprayer and sprinklers/spray jet with forks and deflector plate.	a. As per BIS-IS3661-2019 standards, clause 8.5.2, "the inner vessel shall be designed to be cleanable. If access to the inner vessel is made by manhole, equipment shall be provided for efficient cleaning without entering the vessel. The automatic cleaning equipment for close shaped coolers with manhole shall comply with Annexure A ( Test for Cleanability & Cleaning Performance)". Our tank is compliant with this clause in BIS standards.	As per BIS IS 3661-2019 Clause 8.5.2, cleanability is required; however, our actual capacity requirement is specified to ensure that at full capacity (100%) the CIP sprayers and sprinklers should not contact milk. This prevents milk entering the CIP system, thereby avoiding temperature loss and spoilage.	
				o Gross Capacity (Litres): +10% of Rated Capacity (sprayers/spray balls must be above the rated capacity)			
				b. As per clause 4.1.3 of BIS- IS3661-2019 standards, "if the tank is fitted with automatic or semi-automatic cleaning equipment, care shall be taken to ensure all internal surfaces of the inner vessel will be cleaned effectively". Our tank is compliant with this clause in BIS standards also.			
				All manufacturers have their own design of cleaning system in their tanks & it must obey the above rules irrespective of the design.			
				Our tanks are very well following all the Indian and International norms of cleaning even with spray jet with forks and deflector plate & there is no chance of milk sticking in this zone . It is a well proven international design which is also being followed by major other Indian & international brand of tanks. We are using this design since last 60 years and have supplied more than 1 Lakh BMCs globally. The deflector plate & fork are easily cleaned in the same way like agitator blade & agitator shaft which are also in contact with the milk all the time by automatic or semi-automatic washing system. Also, there is absolutely no siphoning effect, therefore, milk is never drained outside via the washing spray system. So, you are requested to delete / amend this point in the tender.			
3	3.7	50/81	5KL		Kindly include Copeland & Tecumseh make compressor also ; both are also prominent international brands.	Make and models as mentioned in the technical specifications only to be considered	
				Make, Model & Type of Compressor: Danfoss, MLZ058 Compressor and hermetically sealed, scroll, energy efficient (NRV required in the discharge line to be added)	The compressor model MLZ 058 should not be limited if the performances of cooling tanks are coming even with other makes / models of compressors. All manufacturers have different design. You are requested to instead mention- "Makes permissible- Danfoss / Copeland / Tecumseh" instead of a particular model of compressor of a specific brand to encourage fair competition between the various suppliers of compressors.		
4	2.3	48/81	5KL	Temperature Display: 2 nos. LCD display in red colour with one decimal visible from 20 feet distance one in panel and another one temp. display at the milk reception area with wall mounted SS box (distance between control panel to milk reception area approximate 15 to 20 m)	All the suppliers in India have mostly LED display. Pls include LED display also	Both <b>LCD and LED displays</b> are acceptable.	
5	8.1	56/81	5KL	Dump Tank & Weigh bowl : User may provide dump tank	Probably, it is a typographical error. Maybe , you meant Weigh Bowl instead of Dump Tank. Please confirm whether the user will provide weigh bowl or not?	It is a typographical error. The supplier should provide Dump Tank / Balance Tank of 220L.	
					As per our understanding, supplier will provide dump tank / balance tank 220L.		

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6	12.13	66/81	5KL	Approved makes	Please approve below makes also which are prominent brands in India. We have supplied below makes in all the dairies in India and Export & they are working very well-	Makes as mentioned in the technical specifications only to be considered	
				1. Milk Pump : IDMC/Alfa Laval	1. Milk Pump- Swastik / Zeutech		
				2. Plug Valve : IDMC/Alfa Laval	2. Plug Valve- Swastik		
				3. Line Strainer : IDMC/Alfa Laval	3. Line Strainer-Swastik		
				4. Other SS 304 Fittings : IDMC/Alfa Laval	4. Other SS 304 Fittings-Swastik		
7	1.9	45/81	5KL	The agitator motor rpm should be 1440 & minimum 180 watt.	We use Sirem-France agitator motor which is regarded among the top brands globally & we have supplied more than 1 Lakh BMCs globally with this make in last more than 60 years. It saves lot of power & has very good life. It consumes only 75 watts.	Sirem-France agitator motor is acceptable.	
					The local agitator motors generally consume more power and also have less life in comparison. Kindly allow us to supply Sirem-France make agitator motor which is amongst the best brand in the World.		
					Its N2 rpm is 23-28 rpm same as mentioned in your tender.		
8	9.4	59/81	5KL	Piping for water should be of 2-inch CPVC ISI marked. Piping is required between	Pls revise to 1-inch as we provide the same all over India & it is sufficient enough. 2 inch or 51mm	Distribution line shall be 2 inches, while dropping lines and tap points shall be 1 inch.	
					for water connection will be too big & unsuitable to be connected to water pump & for this operation.		
9	2.21	47/76	2kl	Temperature Display: LCD type, range 0°C to 100°C, with one decimal place accuracy	All the suppliers in India have mostly LED display. Pls include LED display also	Both <b>LCD and LED displays</b> are acceptable.	
10	7.13	59/76	2kl Single C	Approved makes	Please approve below makes also as we have supplied below makes in all the dairies in India ( for example Gcmmf, KMF, Punjab, RCDF etc) and Export market also & they are working very well-	Makes as mentioned in the technical specifications only to be considered	
				1. Milk Pump : IDMC/Alfa Laval	1. Milk Pump- Swastik / Zeutech		
				2. Plug Valve : IDMC/Alfa Laval	2. Plug Valve- Swastik		
				3. Line Strainer : IDMC/Alfa Laval	3. Line Strainer-Swastik		
				4. Other SS 304 Fittings : IDMC/Alfa Laval	4. Other SS 304 Fittings-Swastik		
11	10	59/81	2kl Single C	Heat Recovery Unit (HRU): Suitable SS ladder or stool with floor grouting with anchor bolts for cleaning and supervision to be provided	Please confirm the size of ladder or dimensions of stool.	Bidder need to consider the ladder for proper access of HRU for inside cleaning. Bidder may submit GA Drawings.	
12			Both		Request for Inclusion of Zeutech & Swastik Make Milk Pumps With reference to the tenders, we respectfully request the inclusion of Zeutech and Swastik make milk pumps as accessories for BMCs. These pumps are currently approved and recommended by NDDB, GCMMF, and all respective state dairy federations for use with Bulk Milk Coolers.	Makes as mentioned in the technical specifications only to be considered	
13	Section 4; Technical Specifications; Clause 1.6 (Page 45 of 81)		5kl	Suction and Discharge line of Evaporator plate SS (lines) to copper lines joints should be flaring type. It should not be in Brazing/welded type.	Kindly confirm this requirement as the copper joints are normally welded type for minimum chance of leakage.	As per our requirement, suction and discharge joints shall be of <b>flaring type</b> for ease of maintenance	
14	Section 4; Technical Specifications; Clause 1.9 (Page 45 of 81)		5kl	Separate contactor, Overload relay with MPCB Provision	Please mention where this MPCB is to be installed. Shall it be inside the control panel as the stabilizers are already supplied with MPCBs, kindly confirm.	should be installed within the control panel to provide dedicated protection for each compressor and agitator. In the event of a fault, only the affected unit should be tripped,	
15	Section 4; Technical Specifications; Clause 1.15 (Page 46 of 81)		5kl	1 no. Dip Stick preferably V-Shaped of AISI 304 3mm thick	Please confirm this requirement whether V-Shaped Dip Sticks are mandatory or just a preference and in absence of that regular flat Dip Sticks can also be supplied.	Due to recurring damage issues with flat dipsticks, V-shaped dipsticks preferred.	
16	Section 4; Technical Specifications; Clause 2.3 (Page 48 of 81)		5kl	2 nos LCD temperature display in red colour with one decimal accuracy with clear visible from 20 feet distance one in panel and another one temperature display at milk reception area with wall mounted SS box	As the distance between control panel to milk reception area approximate 15-20M, kindly confirm if the required cabling for this length is required to be included in the scope of supply.	It is to be included, as this is a turnkey project.	
17	Section 4; Technical Specifications; Clause 2.13 (Page 49 of 81)		5kl	MCCB for the main input supply, and separate MPCBs for each compressor and each agitator	Please mention where these MCCB and MPCBs are to be installed. Shall they be inside the control panel as the stabilizers are already supplied with MPCBs, kindly confirm.	As per specifications, MCCB/MPCB are provided in the stabilizer. Additionally, a main MCCB is required in the control panel of BMC for overall panel	

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18	Section 4; Technical Specifications; Clause 2.16 to 2.19		5kl	HP/LP Trip indication in LED: Required in Panel for all compressors. (it should be in red for HP & Blue for LP	We request to kindly confirm these requirements for various panel indications as most of them are not part of regular and standard supply.	All indications are required as per the technical specifications	
	(Page 49 of 81)			Supply indication in LED			
				R, Y, B Incoming supply Multi colour LED indication is required Compressor and Agitator Trip/Off Indication in LED: Required			
				Panel on-mode Indication: required and should be in green colour			
19	Section 4; Technical Specifications; Clause 8.1 (Page 56 of 81)		5kl	Dump Tank & Weigh Bowl	Please confirm whose scope shall be the dump tank and weigh bowl in. As per the tender However, AISI 304 220 Liters balance tank with strainer to be provided by vendor.	It is a typographical error. The supplier should provide Dump Tank / Balance Tank of 220 L.	
20	Section 4; Technical Specifications; Clause 9.4 (Page 58 of 81)		5kl	Piping for water should be of 2-inch CPVC ISI marked. Piping is required between	The requirement of 2-inch CPVC pipe line size for water is very much on higher side to the requirement. We request to kindly check and re-confirm.	Distribution line shall be 2 inches, while dropping lines and tap points shall be 1 inch.	
				Ground/Sump to overhead water tank, Overhead water tank to HRU,			
				Can scrubber, RMRD area.			
				Piping for hot water from HRU to Can scrubber, Dump tank/Balance tank, RMRD area			
				The above mentioned CPVC piping supply and installation is in the scope of supplier.			
21	Section 4; Technical Specifications; Clause 12.3 (Page 64 of 81)		5kl	For all electrical cables, suitable water-tight cable SS glands and lugs should be used at ends	Please check and confirm the requirement of SS glands as other metal or plastic glands will also serve the purpose.	Supply as per the technical specifications	
22	Section 4; Technical Specifications; Clause 12.12 (Page 66 of 81)		5kl	Supplier will fix logo of Milk Producer Organisation in SS Plate with multicolour	Kindly specify the size of the SS Plate.	SS plate size Width-218mm & Height-75mm.	
23	Section 4; Technical Specifications; Clause 1 (Page 43 of 76)		2kl Single C	In addition, after warranty, bidder to quote for optional Annual Maintenance Services for a period of 2 years.	Kindly specify the frequency of service visits required for Annual Maintenance Services e.g. monthly or quarterly. This excludes the visits required to attend the complaint/breakdown calls. Also as per standard AMC terms, the charge quoted for AMC services shall exclude any	Service frequency is Monthly. Supplier should quote for AMC services excluding spare parts & consumables.	
24	Section 4; Technical Specifications; Clause 2.5 (Page 44 of 76)		2kl Single Compartment	SS to copper joint should be flaring type	Kindly confirm this requirement as the copper joints are normally welded type for minimum chance of leakage.	As per our requirement, suction and discharge joints should be <b>flaring type</b> .	
25	Section 4; Technical Specifications; Clause 2.9 (Page 45 of 76)		2kl	Separate contactor, Overload relay with MPCB Provision	Please mention where this MPCB is to be installed. Shall it be inside the control panel as the stabilizers are already supplied with MPCBs, kindly confirm.	As per specifications, the MPCBs should be installed within the control panel to provide dedicated protection for each compressor and agitator. In the event of a fault, only the	
26	Section 4; Technical Specifications; Clause 2.11 (Page 45 of 76)		2kl	Open type tank with gravity feeding system shall be provided with one AISI 304 funnel with SS fine wire mesh	Kindly confirm if funnel is really required as we understand that there is a requirement of balance tank cap. 200L also with the BMC for pumped feeding of milk.	Funnel with wire mesh not required.	
27	Section 4; Technical Specifications; Clause 2.15 (Page 46 of 76)		2kl Single C	1 no. Dip Stick preferably V-Shaped of AISI 304 3mm thick	Please confirm this requirement whether V-Shaped Dip Sticks are mandatory or just a preference and in absence of that regular flat Dip Sticks can also be supplied.	Due to recurring damage issues with flat dipsticks, V-shaped dipsticks preferred.	
28	Section 4; Technical Specifications; Clause 2.21 (Page 47 of 76)		2kl Single C	Main Input Supply: The unit shall be equipped with an MCCB (Moulded Case Circuit Breaker) for the main incoming power supply.	Please mention where these MCCB and MPCBs are to be installed. Shall they be inside the control panel as the stabilizers are already supplied with MPCBs, kindly confirm.	As per specifications, MCCB/MPCB are provided in the stabilizer. Additionally, a main MCCB is required in the control panel of BMC for overall panel protection.	
	o Individual Equipment Protection: Separate MPCBs (Motor Protection Circuit Breakers) shall be provided for each compressor and each agitator.						

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29	Section 4; Technical Specifications; Clause 2.23 to 2.26		2kl Single C	HP/LP Trip indication in LED: Required in Panel for all compressors. (it should be in red for HP & Blue for LP	We request to kindly confirm these requirements for various panel indications as most of them are not part of regular and standard supply.	All indications are required as per technical specifications	
	(Page 48 of 76)	Supply indication in LED					
		R, Y, B Incoming supply Multi colour LED indication is required Compressor and Agitator Trip/Off Indication in LED: Required					
		Panel on-mode Indication: required and should be in green colour					
30	Section 4; Technical Specifications; Clause 2.27 (Page 48 of 76)		2kl Single C	Metal cable glands and Metallic pump socket are required.	Please confirm these requirement as stabilizers are normally supplied with plastic glands for cables.	Supply as per technical specifications	
	Section 4; Technical Specifications; Clause 7.12 (Page 58 of 76)		2kl Single C	Supplier will fix logo of Milk Producer Organisation in SS Plate with multicolour	Kindly specify the size of the SS Plate.	SS plate size Width-220mm & Height-75mm.	
31				Any kind of BMC designed, manufactured and supplied for 48 degree ambient conditions for the specified Cooling performance in the per technical specification	Please need more clarification on this point	As per our operational requirements, the Condensing Unit designed for an ambient temperature of 48 °	
32					Evaluation and Comparison of Bids – Page No. 19 point No. B The evaluation and comparison of bids will be done on the basis of quoted prices inclusive of Applicable taxes and duties as mentioned in price schedule. 1) Whereas on page No. 7 in Evaluation of offer it is mentioned that The bid will be evaluated on an overall basis. Price evaluation shall be carried out exclusive of GST, considering only the unit price	Clerical error, Evaluation will be done on the basis of base price	
33					Payment Terms : 60% against Supply, & 40% against installation – We recommend 20% or 30% payment as an advance 50% against supply & 20% against installation – On Page No. 35	Only Tender Document payment terms will be applicable	
34					In Tender you have mentioned Voltage Stabilizer Capacity is 20KVA & DG set Capacity is 15KVA- Please confirm difference capacity of DG set & Voltage stabilizer	Bid to be submitted as per the technical specifications.	