

दुग्ध विकास संस्थान
केन्द्रिय कार्यालय, लैनचौर

रोड मिल्क टैंकरको लागि मिल्क टैंक खरिद गर्ने सम्बन्धि सूचना
(प्रकाशित मिति: २०७६।११।०९)

यस संस्थानले दूध ढुवानी गर्ने ९००० लि. क्षमताको रोड मिल्क टैंकरको लागि एक थान Stainless Steel मिल्क टैंक खरिद गर्नुपर्ने भएकोले सार्वजनिक खरिद ऐन, २०६३ (पहिलो संशोधन २०७३) को दफा ८ को उपदफा १ (क) ८ तथा सार्वजनिक खरिद नियमावली, २०६४ (चौथो संशोधन २०७३) को नियम ३१ख. बमोजिम त्यस्तो सामान उत्पादक कम्पनी वा सोको आधिकारिक बिक्रेताहरु बीच मात्र प्रतिस्पर्धा गराउने (क्याटलग सपिङ्ग) विधिबाट खरीद गर्नुपर्ने भएकोले इच्छुक इजाजत प्राप्त उत्पादक कम्पनी वा त्यसको आधिकारिक बिक्रेताहरुले आ-आफ्नो फर्म दर्ता, मु.अ.कर दर्ता, Letter of Authorization र आ.व.२०७५।०७६ को कर चुक्ता प्रमाणपत्र नोटरी पब्लिकबाट प्रमाणित प्रतिलिपिहरु समावेश गरी सार्वजनिक खरिद नियमावली, २०६४ को नियम ३१ख.१ अनुसार देहाय बमोजिमको मिल्क टैंक उत्पादनको आधिकारिक स्पेशिफिकेशन, मूल्य र सुविधा सहितको गुणस्तर विवरण (क्याटलग वा ब्रोसर) संलग्न राखी यो सूचना प्रकाशित भएको मितिले ७ औं दिन (मिति २०७६।११।१५) को १२:०० बजे सम्ममा यस कार्यालयमा सिलबन्दी प्रस्ताव दर्ता गर्न हुन सम्बन्धित उत्पादक वा आधिकारिक बिक्रेताको जानकारीको लागि यो सूचना प्रकाशित गरिएको छ।

मिल्क टैंकको संक्षिप्त स्पेशिफिकेशन विवरण :

क्र.सं.	विवरण	संक्षिप्त विवरण	आवश्यक संख्या	कैफियत
१.	SS Milk Tank	<p>Capacity (Minimum) :9000 Ltrs. (Triple Compartment) Type/Shape : Elliptical Shape Dimension : suitable to mount on a chassis loading length of 18 ft. and standard chassis width with “U” bolt mounting provision, Outer dished end : AISI 304SS Thickness : Min. 3.0mm Inner dished end: AISI 304SS Thickness : Min. 3.0mm Outer shell complete : AISI 304SS Thickness : Min. 2.0mm Inner shell complete: AISI 304SS Thickness : Min. 2.0mm Insulation: PUF insulation Thickness: Min. 100mm The temperature of milk should not rise more than 2°Cin 24 hours at an ambient temperature of 35°C and milk temperature of 4°C. Glass wool & Asbestos clothes should be provided where welding work should be done after assembly.</p>	१	संक्षिप्त विवरणमा उल्लेख नभएका कुराहरु संस्थानको Technical Specification बमोजिम हुनेछन्। Specification संस्थानको Website:www.dairydev.com.np मा हेर्न सकिनेछ।

**Technical Specification
For
9000 Ltrs. SS Milk Tank For Road Milk Tanker**

1	Capacity	:	9000 Ltrs (Triple compartments)
2	Type/Shape	:	Elliptical Shape
3	Dimension	:	The milk tank should be suitable to mount on a chassis loading length of 18ft & standard chassis width with "U" bolt mounting provision. The Milk Tank should be with proper alignment and with proper supports to make it suitable mountainous & rough road condition.
4	Insulation	:	PUF insulation min. 100 mm thick. The temperature of milk should not rise more than 2°C in 24 hours at an ambient temperature of 35°C and milk temperature of 4°C. Glass wool & Asbestos cloth should be provided where welding work should be done after assembly.
5	CIP	:	Cleaning devices assembly should be provided with 100mm Stainless Steel AISI 304 spray balls inside the barrel and 51mm header with plug cap and chain.
6	Gangway	:	Non slippery gangway and platform around each manhole.
7	Finish	:	All welding joints are to be ground smooth. All stainless steel surfaces are to be polished to 150 grits.
8	Joints	:	The tank should be fabricated from single piece SS sheet with less number of joints without using scrap materials. The inner barrel joint should be on the top/side.
9	Rear Cabin/Outlet Box	:	Should be placed at the rear side of the tank. Butterfly valves should be placed inside the valve box with fitting and end cap with chains.
10	Manhole & Dust Cover	:	Heavy duty Stainless Steel AISI 304 quality manhole of Ø 500/450 mm diameter, insulated manhole cover with air breather, standard gasket & heavy duty cover for manhole for all three compartments.
11	Dipstick	:	Suitable graduated Stainless Steel AISI 304 quality dip-stick for measuring the volume of milk.
12	Slope	:	The bottom of inner shell slope should be towards the outlet valve for complete drainage of milk.
13	Pump	:	Stainless Steel AISI 304 Centrifugal Milk Pump, 3 Phase 415 V/50 Hz, AC with capacity of 10000 Ltrs Per Hour
14	Spare Parts(With Each Tank)	:	- Food grade quality manhole gasket - 10 Pcs - Shaft seal for milk pump - 2Sets - Butterfly Valve Gasket -3Pcs
15	Warranty	:	One year from the date of handover of the tank
16	Design, Details and Drawing		The tank has to be constructed as per the specification & the following details and drawing.
17	Performance Test		- Check the risen in temperature. - Check the capacity of the tank. - Check the SS quality, thickness and other parameters of the specification.

Detail Requirements

S.N.	Description	Material	Size / Thickness
1	Chassis	Not Required	-
2	Outer dished end	AISI 304 SS	Min. 3.0mm thick
3	Inner dished end	AISI 304 SS	Min. 3.0mm thick
4	Outer shell complete	AISI 304 SS	Min. 2.0mm thick
5	Inner shell complete	AISI 304 SS	Min. 2.0mm thick
6	Side gutter cum catwalk way	AISI 304 SS	Min. 2.0mm thick 125mm wide
7	Cat walk platform	Aluminum Chequered Plate	Min. 5.0mm thick X 400 mm wide aluminum chequered plate. Angle/pipe & support made from AISI 304 SS (Min.2.0 mm thick angle & ø 25mm X 1.6 mm thick SS pipe)
8	Manhole (Each compartment)	AISI 304 SS	ø 500/450mm standard
9	Manhole outlet cover	AISI 304 SS	2.00mm thick
10	Insulation	Polyutethene Foam (PUF)	Min. 100 mm
11	Rear Platform	Aluminium Chequered Plate	Min. 5.00 mm thick
12	Bumper	Not Required	-
13	S.S. Pipe	AISI 304 SS	ø 25mm X 1.6mm thick SS Pipe
14	Ladder & Support	AISI 304 SS	ø 25mm X 1.6mm thick pipes and S.S. angles
15	Sand blasted & Painted logo	As per DDC logo	
16	Rub Rail	Aluminium	65mm wide
17	S.S. Drain Pipe	AISI 304 SS	ø 25mm X 1.6mm thick
18	Supporting Ribs	AISI 304 SS	3 mm thick X 560 mm long 6 Pcs. each side runner and tank.
19	Rear end side	AISI 304 SS	Min. 2.00 mm thick
20	Butterfly valve - 3 sets	AISI 304 SS	ø 63mm butterfly valve with SS 304 outlet cap for each compartment Reduction socket - 1 pcs (63 mm female part and & 51 mm male part)
21	Outlet box with locking arrangements	AISI 304 SS	Min. 2.00 mm thick
22	Step ladder	Not Required	-
23	Runner (Entire length of tank with slope towards outlet)	MS	6.00 mm thick MS & clad with AISI 304 SS
24	Rubber Lining	Not Required	-
25	Outlet Cup	AISI 304 SS	Min. 3 mm thick
26	Openable Cover for outlet cup	AISI 304 SS	Min. 2.0 mm thick
27	U bolts provision		Min. 6 Pcs each side
28	Outlet pipe	AISI 304 SS	ø 63mm
29	Spare Wheel Arrangement	Not Required	
30	Mud guard	Not Required	
31	Product inlet header	AISI 304 SS	ø 51mm with SS cap
32	CIP spray balls	AISI 304 SS	ø 100 mm
33	CIP header	AISI 304 SS	ø 51mm with SS cap
34	Stiffening elliptical ring	MS	Min. 5 mm thick 6 supports
35	Stiffening Plate (For tank support inside)	MS	Min. 5 mm thick 5 supports

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(प्रकाशित मिति : २०७६।११।०९)

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टैंकर च्यासिसको संक्षिप्त स्पेशिफिकेशन विवरण :

क्र.सं.	विवरण	संक्षिप्त विवरण	आवश्यक संख्या	कैफियत
१.	रोड मिल्क टैंकर च्यासिस	Cylinder : Minimum 6 Cylinder, Four Stroke Turbo Charged Diesel Engine. Displacement (Minimum) : 5800 CC Engine Output (Minimum) :150 HP@ optimum RPM. Loading Length : 18 Ft.. Ground Clearance (Minimum) : 250 mm. GVW (Minimum) : 16000 Kg.	१	संक्षिप्त विवरणमा उल्लेख नभएका कुराहरु संस्थानको प्राविधिक विवरण बमोजिम हुनेछन् । Technical Specification संस्थानको Website: www.dairydev.com.np मा हेर्न सकिनेछ।

Specification

For Chassis For 9000 Ltrs. SS Road Milk Tanker

1	Engine Type	Minimum 6 Cylinder, Four Stroke Turbo Charged Diesel Engine.
	Displacement (Minimum)	5800 CC
	Engine Output (Minimum)	150 HP @ optimum RPM
	Torque (Minimum)	600 Nm @ optimum RPM
2	Drive	Right Hand Drive, 2 WD
3	Clutch	Hydraulic / Dry Friction
4	Transmission (Minimum)	Manual 5 Forward & 1 Reverse
5	Steering	Hydraulic power steering
6	Brake	
	Service Brake Parking Brake	Air/hydraulic, Foot Operated, Dual Line Spring Actuated Pneumatic
7	Suspension	
	Front	Semi elliptical laminated multi leaf spring & hydraulic double acting telescopic shock absorber.
8	Rear	Semi elliptical laminated multi leaf spring.
9	Wheel and Tyres Type	10 x 20 - 16 PR
	No. of Wheels	Front 2, Rear 4 and 1 spare rim with tyre and tube.
10	Dimensions & GVW	
	Loading Length	18 Ft.
	Ground Clearance (Minimum)	250 mm
	GVW (Minimum)	16000 Kg.
11	Axle	
	Front Rear	Reverse Elliot Fully floating hypoid gears
12	Fuel Tank Capacity (Minimum)	200 Ltrs.
13	Electrical System	
	System Voltage Battery	12/24 V DC Standard
14	Cab	Double Cabin.
15	Chassis & Frame	Steel, ladder type heavy duty frame with riveted/bolted cross members suitable for rough road conditions.

16	Required Accessories & Safety	The vehicle should be equipped with :
		Head light tail and rear light, reversing light and turn signal
		Cabin Light
		Odometer
		Mud Guards
		Seat belts
17	Tools & Manuals	Standard set of tools with hydraulic jack & manuals.
18	Emission Standard	The Emission Standard of the vehicle should be capable of meeting applicable Nepal Vehicle Mass emission standard, which is to be certified by Department of Transport & Management, Nepal.
19	Instruction	All signs and instructions in the vehicle should be in English.
20	Manuals	One copy of the operator's and owner's instructions manual in English should be supplied with the vehicle.
21	Warranty	One year from the acceptance of the vehicle.
22	Performance Test	<ul style="list-style-type: none"> - Check the overall functioning of the engine - Check physical damage if any. - Check the electrical, brake, clutch and safety system of the vehicle. - Check as per specifications parameters.