



TIRHUT DUGDH UTPADAK SAHKARI SANGH LTD.

MUZAFFARPUR DAIRY, MUZAFFARPUR

Contact no.: 7070992952/7070992905

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SPECIFICATIONS

TENDER No. 01

DEEP FREEZER:

REQUIRED SPECIFICATIONS :-

Approx Quantity

(A) Deep freezers with approx. capacities:

- | | |
|---|--------------|
| 1. Deep Freezers (Glass Top/ Hard Top) --- 300/320 ltr . | 650 Nos. |
| 2. Deep Freezers (Glass Top/ Hard Top) --- 400 ltr / 425 ltr. | 500 Nos. |
| 3. Deep Freezers (Glass Top/ Hard Top) --- 500 / 525 ltr . | 300 Nos. |
| 4. Deep Freezers (Glass Top/ Hard Top) --- 600 / 625 ltr | 100 Nos. |
| 5. Deep Freezers (Glass Top / Hard Top) --- 750 ltr. | 50 Nos. |
| 6. Eutectic Deep Freezers (Hard Top) --- 300 ltr / 400 ltr / 500 ltr. | As Required. |
| 7. Cooler cum Freezer ----- 300 Ltr / 500 Ltr. | As Required |

Required Parameters :

Sl. No.	Parameter	Hard Top Deep Freezer	Glass Top Deep Freezer
1.	Capacity (LTRS)	As Required	As Required
2.	Tank Material	Pre Coated Sheet	Pre Coated Sheet
3.	Cabinet Liner Material	Stucco Aluminum	Stucco Aluminum

4.	Door	External PCM & Internal HIPS assy. Insulated with PUF	Toughened Glass Low E Coating
5.	Compressor make	Branded	Branded
6.	Temperature range	-18° C or below	-18° C or below
7.	Temperature Control	Electro Mechanical	Electro Mechanical
8.	Power Supply ((V/Ph/Hz)	230V/1 Phase/50 Hz	230V/1 Phase/50 Hz
9.	Cooling Performance	Direct Cool Technology	Direct Cool Technology
10.	Insulation material (Type & Thickness)	Min. 60 mm thick Polyurethane Foam (For Eutectic Freezers Min. 90 mm PUF)	Min. 60 mm thick Polyurethane Foam (For Eutectic Freezers Min. 90 mm PUF)
11.	Fine painting for Glossy Finish	To be Provided	To be Provided
12.	Inner liners to have pre coated sheets for better hygiene	To be Provided	To be Provided
13.	Castor wheels	To be Provided	To be Provided
14.	Spring loaded for Easy usage	To be Provided	To be Provided
15.	Fast freezing facility for faster cooling	To be Provided	To be Provided
16.	Door lock facility	To be Provided	To be Provided
17.	Signal indicators for storage protection	To be Provided	To be Provided
18.	Refrigerant	R134a	R134a
19.	Internal Lighting	To be Provided	To be Provided
20.	BEE Rating	Certificate to be provided	Certificate to be provided
21.	Branding of Sudha on three sides	To be Provided	To be Provided

(B) Deep Freezer On Wheels (110 / 120 Lts.):

Specification:

(i) Deep Freezer On Wheels:

SJ. No.	PARTICULARS	REQUIREMENT
1.	Gross Volume	110 / 120 Lts.
2.	Dimensions (External) W X D X H	960 mm X 640 mm X 705 mm
3.	Dimensions (Internal) W X D X H	455 mm X 455 mm X 550 mm
4.	Temperature Range	-18 to -26 Degree Centigrade
5.	Power Consumption	2.2 KW/Day (Under Stimulated R&D ambient test conditions) (For 12 Hours)
6.	Temperature Holding Time (Hrs.)	8 Hrs. (From -25 deg. C to -18 deg. C) in 43 deg. C
7.	Insulating Material & Thickness	PUF & 65 mm.
8.	Temperature Holding Media	Propylene Glycol
9.	Number of Doors and Door Material	01 No. & Stainless Steel Door.
10.	Top Sheet Material & Thickness in Gauge	Stainless Steel & 21 Gauge
11.	Outer Sheet Material & Thickness in Gauge	G. P. Powder Coated – 23 Gauge
12.	Inner Sheet Material & Thickness in Gauge	G. P. Powder Coated – 21 Gauge
13.	Capacity of Compressor (A) H.P. (B) Watt (C) Amps	(A) 1/5 H.P. (B) 190 Watt (C) 1.6 Amp.
14.	Refrigerant	R134a



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TENDER No 02

Visi Coolers: Approx Quantity: 1000 Nos.

Approx. Capacity

1. Visi Cooler --- 100 ltr.
2. Visi Cooler --- 200 ltr.
3. Visi Cooler --- 300 ltr.
4. Visi Cooler --- 400 / 425 ltr.

Required Parameters :

Sl. No.	Parameter	Visi Coolers
1.	Capacity (LTRS)	As Required
2.	Tank Material	Pre Coated Sheet
3.	Cabinet Liner Material	Stucco Aluminum
4.	Door	Toughened Glass
5.	Compressor make	Branded
6.	Temperature range	1 to 8 °C
7.	Temperature Control	Electro Mechanical
8.	Power Supply ((V/Ph/Hz)	230V/1 Phase/50 Hz
9.	Cooling Performance	Direct Cool Technology
10.	Insulation material (Type)	Polyurethane Foam
11.	Fine painting for Glossy Finish	To be Provided
12.	Inner liners to have pre coated sheets for better hygiene	To be Provided
13.	Castor wheels	To be Provided

14.	Spring loaded for Easy usage	To be Provided
15.	Fast freezing facility for faster Cooling	To be Provided
16.	Door lock facility	To be Provided
17.	Signal indicators for storage Protection	To be Provided
18.	Refrigerant	R134a
19.	Internal Lighting	To be Provided
20.	BEE Rating	Certificate to be provided
21.	Branding of Sudha on two sides	To be Provided



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TENDER No. (03)

SIGN BOARD & GLOW SIGN BOARD (Backlit Flex Board) Approx Quantity: 3000 Nos.

(A) SIGN BOARD

Specifications:-

SL	Item
1	Flex Board (Size 4' x 2.5' & 6' x 3')
	Specifications
a)	Star Flex Multi Colour Printing.
b)	Front Lit Media.
c)	Frame: Square Iron Pipe size 1" X 1" with external enamel painting.

(B) GLOW SIGN BOARD (Backlit Flex Board)

Specifications:-

SL	Item
1	Glow sign Board (Size 4' x 2.5' x & 6' x 3')
	Specifications
a)	Media Backlit Starlite Media
b)	Printing Muthoh on high pass
c)	Electrical fittings - Branded with Led Light.
d)	Box GI Sheet 26 gauge for the Back Side Powder Coated White Sheet for the Side Patti
e)	Framing 1/2" Square pipe



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TENDER No. 04

SPECIFICATIONS

Type (A):

PREFABRICATED SUDHA PARLOR

Approx Quantity: 50 Nos.

Sl No.	Specifications:
1	<p>Smart build solution for a complete building with framed opening. To be designed for extreme condition. All frames and trusses are to be manufactured from high strength Zincalume steel for better corrosion resistance. Roof and wall cladding are to be manufactured from high strength Zincalume steel or color bond steel. The members are to be available in standard length. For easy erection frames & trusses can be assembled at site due to high strength & light weight members. All the frames and trusses are to be made from high strength fasteners. These to be cladded with a variety of roof and wall profiles available in Lysaght range.</p> <p>Exclusion: Civil Work, Foundations, Turbo Vents and Electrical works.</p> <p>(a) Prefab Booth of Size : 10ftx 6ftx 9ft height inclusive of the Back light signage of having HR base and wall frames with SMARTRUSS Roofing System (Made from ZINCALUME Steel with yield strength of min 550 MPA)</p> <p>(b) Outer Roof & Wall Paneling of BMT PANEL Colour coated Sheet.</p> <p>(c) Inner wall Paneling & False Ceiling of BMT PANEL Colour coated Sheet. ACP Cladding with 1" Aluminium extruded section from the 3 outer sides of the parlour.</p> <p>(d) Accessories: 1 Door BMT Panel colour coated sheet with complete locks and handles & 2 windows (Selling counter with wood Polymer Composite Panel of 17mm with sliding option on C channels fitted from inside the parlour having internal lock system from the window sides.</p> <p>(e) Basic electrical fittings: Led Spot light decoration at the outer parlour. Other fixtures include 1 No. of Philips / Branded Led Tube Light, 01 No. of switch board with 01 No. of sockets and switches.</p> <p>(f) Branding with Mild Eco- solvent Vinyl Printed and complete installation to give the parlour a presentable look. One Rack inside the parlour for the Product display. The outer structure as to have the backlight Signage Board as per our design from three sites.</p>
2	<p>Design Standards: As 4055 – 2006 wind load for housing. AS/NZS 4600 – 2005 cold formed steel strength NASH Standard: residential and low rise steel framing.</p>

3	Material Specifications : Wall Frames Truss Roof & Wall Fixing Cladding Roof Sheeting Wall Cladding Fasteners Roof type Inner Liner	C Section Cr G550: Zincaium C Section Cr G550: Zincaium Hat Section Cr 550: Zincaium Manufactured from Zincaium Lysaght Panelrib 1110 Profile Lysaght Panelrib 1110 Profile AS 3566, Class 2 Gable / hipped / Scissor / Bell Shape / Mono Slope bender manufactured from Zincaium steel Lysaght panel rib Steel coated both side, Thickness : 0.45mm. Lysaght Panelrib 1110 Profile
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Type (B):

SPECIFICATIONS

PREFABRICATED MILK BOOTH — 10FT X 10FT X 9FT

Description:

Sl No.	Specifications:
1	<p>Smart build solution for a complete building with framed opening. To be designed for extreme condition. All frames and trusses are to be manufactured from high strength Zincaium steel for better corrosion resistance. Roof and wall cladding are to be manufactured from high strength Zincaium steel or color bond steel. The members are to be available in standard length. For easy erection frames & trusses can be assembled at site due to high strength & light weight members. All the frames and trusses are to be made from high strength fasteners. These to be cladded with a variety of roof and wall profiles available in Lysaght range.</p> <p>Exclusion: Civil Work, Foundations, Turbo Vents and Electrical works.</p> <p>a) Prefab Booth of Size : 10ft x 10ft x 9ft height inclusive of the Back light signage of having HR base and wall frames with SMARTRUSS Roofing System (Made from ZINCALUME Steel with yield strength of min 550 MPA)</p> <p>b) Outer Roof & Wall Paneling of BMT PANEL Colour coated Sheet.</p> <p>c) Inner wall Paneling & False Ceiling of BMT PANEL Colour coated Sheet. ACP Cladding from the 3 sides outside parlour.</p> <p>d) Accessories: 1 Door BMT Panel Color Coated Sheet with complete locks and handles & 2 windows (selling counters with Wood Polymer Composite PANEL of 17mm with sliding option on C channels fitted from inside the parlour having internal lock system from the window sides .</p> <p>e) Basic electrical fittings: Led strip & Spot light decoration at the outer parlour. Other fixtures include 1 No. of Philips / Branded Led Tube Light, 01 No. of switch board with 01 No. of sockets and switches.</p> <p>f) Branding with Mild Eco- solvent Vinyl Printed and complete installation to give the parlour a presentable look. One Rack inside the parlour for the parlour for the Product display. The outer structure as to have the backlight Signage Board as per our design.</p>
2	Design Standards: As 4055 — 2006 wind load for housing. AS/NZS 4600 — 2005 cold formed steel strength NASH Standard: residential and low rise steel framing.

3	Material Specifications :	
	Wall Frames	C Section CrG550: Zincalume
	Truss	C Section CrG550: Zincalume
	Roof & Wall Fixing	Hat Section Cr 550: Zincalume
	Cladding	Manufactured from Zincalume
	Roof Sheeting	Lysaght Panelrib 1110 Profile
	Wall Cladding	Lysaght Panelrib 1110 Profile
	Fasteners	AS 3566, Class 2
	Roof type	Gable / hipped / Scissor / Bell Shape / Mono Slope bender manufactured from Zincalume steel Lysaght panel rib Steel coated both side, Thickness : 0.45mm.
	Inner Liner	Lysaght Panelrib 1110 Profile

Specification for Branding of Sudha Parlor

1	ACP Cladding below the G.S.B. to give the uniform look of the parlour preferably with alupan/acadecor ACP on 3mm thickness 0.35 microns in red or black which ever suits in the aluminum squire section across the structure. Machine Routed ribed patterns on the ACP panels to be installed below the aluminum-snapon frames at the frontage of the parlours.
2	1 Pes LED SIGNAGE: The channel cut led letter of important white color acrylic for sudha. Letters will be made of 3mm thick imported white acrylic for sudha with 2" raised hollow letters, the insides of the acrylic channel cut letter to be backlit SAV'S to be pasted on " Sudha" Channel cut letters. Electricals: White Samsung LED's Module and power supply (Waterproof for external signage) will be used to illuminate the channel cut letters & 2 years warranty will be extended for the same. Waterproof Adapters use to avoid any damage to the lights. The LED lights need to be placed next to each other (no gap between the light) so as to avoid patchy effect. It is to be installed at the frontage of the parlour.
3	2 Nos of G.S.B.: Back lit Star media Printing mutoh on high pass, electrical fitting – Surya Chowk & tube light box GI Sheet 26 guage and framing squire pipe. It is to be installed at the two side of the parlour
4	Aluminum Snap on Frams: The Frame will be made of very fine quality annodised aluminum frame with snap on facility for easy change of vinyl sunboards. There will be 2 mm clear acrylic on the top of the branding for weather & heat resistance. The Installation of these frame will be done at the frontage of the parlour.
5	Vinyl Printing by high definition printing by roland ecosolvent machine and pasting on 2mm sunboard for displaying of visuals.
6	Round LED in warm white of 5w fitting at two end to give the light effect on the branding from the top with complete wings. Total 2 nos at the ACP below Acp with wire & fitting.

Type (C):

Description:

Manufacturing and construction of prefabricated cabin as per specification as under. Prefabricated cabin shall be suitable for mounting on readymade concrete floor / Plain Ground. The components shall be fabricated at factory for easy to assembly at site, which will comprise of prefabricated steel structure, walls of sandwich panel with door and windows and false flooring.

Size: 10' X 10' X 9'

Wall:

Walls shall be made of Sandwich panels, made out of 0.35mm thick Pre coated steel sheet on both side of PUF. The total thickness of panel will be 40mm. PU Foam must be CFC free, self-extinguishing, fire retardant type having density of 36Kg/CUM. (\pm 2Kgs). The panels are to be joint together by tongue and groove method.

Door:

The door Frame & Shutter frame shall be made from Aluminum section. The Panel of Shutter shall be made out of G.I. Pre coated sheet both side of PUF. Thickness of PUF shall be 40mm. The door shutter shall be complete with all hardware like lock, hinges, etc.

Sliding Window:

Appropriate size sliding type window shall be made out with Aluminum OR PVC section. The window shall have 4 mm thick clear glass.

Openable Window:

The window Upper flap & Lower flap shutter shall be made out of G.I. Pre coated sheet both side of Puf. Thickness of Puf shall be 20mm. The Flap shutter shall be complete with all hardware like Allu. Handle, Stopper, Aldrop & 10mm dia. Rod. (as per shown in the Drawing)

Roof:

The insulated Roof cladding shall be done with sandwich type panel. The panel shall be made out with 0.35 mm thick G.I. Pre coated Profile sheets at outer side and 0.35 mm thick Pre coated plain sheet at inner side of PUF. Total thickness of roof panel shall be 30 mm. These panels is laid over a frame work of trusses, columns and periphery wall fixed using suitable fasteners with bitumen washer etc.

False flooring:

The flooring shall be made out of 19mm thick Plywood OR 19mm thick Cement sheet. The plywood/ Cement sheet shall be fixed over the M.S. Grid and covered with 1 mm thick PVC Vinyl sheet.

Painting Work:

Structure: One coat of red oxide as primer on all structure and two coats of good quality oil paint shall be provided.

Electrification: Excluded



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TENDER No. 05

Banners & Posters:

(A) Banners

Approx Quantity: As Required

SPECIFICATION:-

S.No.	Item	Size
i)	Cloth Banners	6' X 4'
ii)	Flexes with iron stand	4' X 2.5'
iii)	Flexes with iron stand	6' X 4'
iv)	Foam Banners 500 – 550 gauge Multi colour offset Printing	24" X 36"
v)	Foam Banners 500 – 550 gauge Multi colour offset Printing	24" X 66"
vi)	Laminated Vinyl Pasting Board: 4mm Mount Board	2' X 3'

(B) Posters, Danglers & Buntings

Approx Quantity: As Required.

SPECIFICATION:-

S.No.	Item	Size	Paper Quality
i)	Multi color wall Posters (Single Side)	9" X 14"	128 – 130 GSM Imported Art Paper 3 Strips Gumming 1" X 9"
ii)	Multi color wall Posters (Single Side)	14" X 19"	128 – 130 GSM Imported Art Paper 3 Strips Gumming 2" X 14"
iii)	Multi color wall Posters (Single Side)	18" X 22"	128 – 130 GSM Imported Art Paper 3 Strips Gumming 2" X 18"
iv)	Streamers / Buntings	8.5" X 5.5"	170 GSM, Multi colour offset printing with 9 strips & Ornamental Punching.
v)	Product Dangler	8" X 11"	350 GSM Art Board, Multi Colour both side print and both side lamination with Ornamental Punching and ilit. -
vi)	Product Dangler	11" X 11"	350 GSM Art Board, Multi Colour both side print and both side lamination with Ornamental Punching and ilit.

(C) CANOPY (Flex Tent)

Specifications :-

SL	Item
1	The size of the tent will be 6' x 6' & the height to be 7'. The tent (except the roof & the bag) to be made up of heavy quality flex with solvent printing done as per our design. The roof & the bag of the tent to be made of imported Tetron (Taiwan origin). The tent will have to consist of 3 top facias of 6' x 1' each, 1 backdrop of 6' x 7' & 3 bottom walls of 6' x 2.5' height each. The tent to be put over a CRC frame 25mm diameter, which is to be made in sections for easy packing & Carrying. The sockets of the frame to be made of M.S. Steel & to be powder - coated.

(D) GAZEEBO KWICK TENT

Specifications: -

SL	Item
1.	The size of the tent to be 3m x 3m & the center height to be 10.5'. The tent to be made up of Imported UV protected waterproof 700D fabric. The tent will consist of 4 top cones & 4 top facias. The tent will be put over a Textured Steel frame, made in sections for easy packing & carrying. The gazebos consist of 2 facias, 1 backdrop with a mild flex printing as per the approved designs.

(E) **UMBRELLAS**

Specifications: -

SL	Item
1.	Size of Umbrella: 36'', 48'', 56'' & 60''. The lower pipe of the frame to be made up of CRC pipe in 25 mm 0/diameter in 0.61 mm thickness & the upper pipe to be of 22 mm 0/diameter in 0.61 mm thickness. The ribs & the pipes to be powder coated in white colour. The Umbrella to be made up of Polyester Traffeta fabric in any desired colour of our choice. The Umbrella to have screen printing (no half tone jobs of visuals) as per our design.



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TENDER No. 06

Tri Cycle with or without Deep Freezer on Wheels (110 / 120 Lts.): Approx. Qty.: 200 Nos.

Specification:

(i) Deep Freezer On Wheels:

Sl. No.	PARTICULARS	REQUIREMENT
1.	Gross Volume	110 / 120 Lts.
2.	Dimensions (External) W X D X H	960 mm X 640 mm X 705 mm
3.	Dimensions (Internal) W X D X H	455 mm X 455 mm X 550 mm
4.	Temperature Range	-18 to -26 Degree Centigrade
5.	Power Consumption	2.2 KW/Day (Under Stimulated R&D ambient test conditions) (For 12 Hours)
6.	Temperature Holding Time (Hrs.)	8 Hrs. (From -25 deg. C to -18 deg. C) in 43 deg. C
7.	Insulating Material & Thickness	PUF & 65 mm.
8.	Temperature Holding Media	Propylene Glycol
9.	Number of Doors and Door Material	01 No. & Stainless Steel Door.
10.	Top Sheet Material & Thickness in Gauge	Stainless Steel & 21 Gauge
11.	Outer Sheet Material & Thickness in Gauge	G. P. Powder Coated – 23 Gauge
12.	Inner Sheet Material & Thickness in Gauge	G. P. Powder Coated – 21 Gauge
13.	Capacity of Compressor (A) H.P. (B) Watt (C) Amps	(D) 1/5 H.P. (E) 190 Watt (F) 1.6 Amp.

14	Refrigerant	R134a
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(ii) Tri Cycle

Specification of Tri Cycle (110 / 120 Ltr – FOW)

1. Structure made of M S Angle (1-1/2" X 1-1/2" X 3/16") and Steel Channel (3" X 1-1/2" X 3/16")
2. Bay Size : 26" X 40" for 110 Ltr FOW
3. New Gear Ratio and increased Crank lengths for lighter ride.
4. Canopy Frame with pillars but without flex materials.
5. Wheels: Rear Trike Wheel (24" X 1.75"), Front – 2 Pcs (2.25" X 19")
6. Front and Rear Brake System.
7. Freezer Stoppers.
8. Front Fenders of Steel Pipe.
9. Battery, Charger, LED Light, Wire etc.
10. Flex and Vinyl Printing and fittings.

Required Model of Ice Cream Cart / Eutectic Deep Freezer on Wheels:

