

CORRIGENDUM NOTICE

Bid Reference No. 88/DO/SFT/BBSR/22

Name of the Work: Dismantling, shifting, positioning, installation, testing, commissioning & trial run of butter deep freezers (3x30mt capacity each) from omfed Bhubaneswar dairy to omfed dairy, Arilo-Govindpur mouza, dist. Cuttack

The above tender was published on 28/02/2024 in the newspaper, "The Sambad" & "The India Express" and also in OMFED web site www.omfed.com. The Bid document is available from 20/03/2024 in the OMFED website.

The technical specification of the deep freezer attached at Annexure-I. The last

Sl no.	Name of the Tender	Existing Submission date	Extended submission date/Opening date
01.	Dismantling, shifting, positioning, installation, testing, commissioning & trial run of butter deep freezers (3x30mt capacity each) from omfed Bhubaneswar dairy to omfed dairy, Arilo-Govindpur mouza, dist. Cuttack	28.02.2024 to 20.03.2024 up to 2:00 PM	28/02/2024 to 06/04/2024 up to 2.00 PM and the same shall be opened at 3.00 PM on 06/04/2024.

submission date of bid & opening date is extended as detailed out below:-

Sd/-
General Manager (Proj & Do)

Annexure-I

TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATION FOR BUTTER DEEP FREEZER -30MT

Capacity – 30MT

Quantity Required : 03nos

FUNCTIONAL REQUIREMENT:

White Butter from Continuous Butter Making machine at an outlet temperature of (+)8⁰C shall be cooled down to (-)12⁰C inside deep freezer under reference. After hardening of White Butter that will be stored inside the deep freezer and maintained at (-) 12⁰C and core temperature (-)10⁰C.

DESIGN BASIS:

1	Dimension of external room size	11.30 x 9.40 x 3.30 mtr 6 x 8.4 x 3.30 mtr
2	Anti room size	11.30 x 2.0 x 3.30 mtr
3	Power requirement	To be shifted / provided by OMFED
4	Ambient temperature	45 ⁰ C
5	Product core temperature to be maintained	(-)10 ⁰ C
6	Product incoming temperature	8 ⁰ C
7	Butter cartoon size	435mm (L) x 315mm (B) x 208mm x (H)
8	Stacking height	Not more than 1500mm
9	Butter cartoon capacity	20Kg/cartoon
10	Wall & ceiling insulation	150mm thick PUF panel

PANEL & DOOR SPECIFICATION

Sl No.	Insulation	CFC free foamed in –place poly-urethane foam(PUF)
1	Co-efficient of Heat Transfer	0.366W/M-C
2	Density	40(+/-)2kg/m³
3	K-Value of Insulation	<0.02 kcal/m ² -hr- °C
4	Thermal Conductivity	<0.02 kcal/m ² -hr- °C
5	Compressor strength	1.3kg/cm ² (Min.)
6	Adhesive Strength (Puff to steel)	150PSI
7	Closed cell contents	95 %(Min.)
8	Water absorption	2% Max.
9	Vapour Permeability	Less than 2%
10	Thickness of outer sheets	24Gauges
11	Material of outer sheets	Pre-painted G.I
12	Amount of Zinc coating	90GSM or above
13	Type of Cam lock for panel locking.	PVC
14	Type of sealant	Gasket/silicone
15	Ozone friendly R-141 blown foam at 32-36Kgs/CUM.	Yes

16	Structural Stability within 2% after 48Hrs.of Foaming	Yes
17	Radiused wall to impede bacterial growth	Yes
18	Panel joints.	With double vinyl gasket & PVC cam lock (Pre-Fabricated with the panels to make leak proof joint).On floor-profile will be grouted for holding wall panels and ensuring anti dampness.
19	DOOR-SIZE:-	78”X34”X150MM with PUF insulation.
20	Other Features	Door closure Positive cams lift hardware. Vinyl gasket on all sides & with SS brackets at the bottom of door. Safety release exit devices for opening door from inside including Door heater etc.
21	Anti room Door	Door-Size shall be -78”X34”X150MM with PUF insulation, Positive cams lift hardware. Vinyl gasket on all sides & with SS brackets at the bottom of door. Safety release exit devices for opening door from inside.

DESIGN CAPACITY

<u>SL NO</u>	<u>Description</u>	Quantity
		<u>For 30MT</u>
1	Air Cooled Condensing Unit of inline Capacity Refrigeration – R 404	02 No
2	Evaporator Unit of inline Capacity Refrigerant—R 404 (Wall/ceiling mounted)	02 No

3	150 mm thick PUF Panel for wall and ceiling of cold room along with 150mm thick hinged Door both for freezer cabinet & anteroom.	01Lot
4	Auto-changeover system for all the units for 12 hrs alternative operation.	02 Lot
5	Labour charges for Installation of 150 mm PUF Panel to make the room	1 Lot
6	Installation of Indoor Evaporating Unit and Outdoor Condensing Unit	1 Sets
7	Copper piping and electrical cabling between IDU and ODU	2 Sets
8	Drain piping including insulation with Nitrile Rubber	2 Lots
09	Insulation of the Suction Line with Nitrile Rubber	2 Lots
10	Pressure Testing with Nitrogen, Vacuumising, Charging R 404 refrigerant and commissioning the refrigeration unit including trial run.	2 Lots
11	Air Curtain(Cooling cabinet & Anti room)	02No.
12	Auto complete Thermometer, safety belt, lighting point	2 Sets
13	Electrical control panel	01 set

N.B - 1. Each freezer cabinet should have independent cooling / evaporation unit out of which one is operational and one standby.

2. The safety control, piping and electrical wiring should be provided separately for the standby and operational unit.

3. Proper piping and electrical wiring between condensing unit and evaporative unit shall be provided by the bidder as per the site condition. No extra payment shall be given for any additional requirement.

4. Dismantling of existing floor, floor insulation including level flooring including fixing of cotta stone is within the scope of the bidder.

5. Safe unloading of materials at site, storage of materials, insurance & handling etc at site is within the scope of the bidder.

6. The offered price shall include shifting, installation, trial run, freight, unloading, transportation, royalties, labour cess, all taxes and duties inside the state of Odisha.

7. Anteroom to be provided against each freezer cabinet of width 2.0 mtr with one set of door and Air curtains.