

Notice for Pre Qualification

ENGRO Foods, a private limited company registered with the Security and Exchange Commission of Pakistan (SECP), and a subsidiary of Engro Corporation which has its head office in Karachi is in agreement with Engro Foundation and Mennonite Economic Development Associates. ENGRO Foundation is a not-for-profit organization duly registered with the Government of Pakistan acts as the corporate social responsibility arm of ENGRO Corp. Mennonite Economic Development Associates, a not-for-profit corporation registered under the State of Pennsylvania.

Engro Foods Limited invites sealed quotations through this tender from interested parties for supplying 60 Farm Milk Cooling Tanks as per specifications given on our web site. www.engro.com

- A) Type** Direct Expansion type Milk Cooling Tank , 2 milking.
- a) Model** OM/DX-1000 , 2 T
- b) Milk holding capacity** 1055 Liters
- c) Milk/insulation vessel** 2.0/1.5/0.9 mm thick Stainless steel AISI 304.
- d) Evaporator** 0.9 mm thick Stainless steel AISI 304 (Laser welded with milk vessel)
- e) Test /Burst pressure of evaporator :** 36 / 80 Bar.
- f) Lid cover:** 1.5 mm thick Stainless Steel AISI 304. mounted with 2 Nos. Gas spring, Milk pouring opening with plastic cover.
- g) Insulation** Polyurethane foam insulation , 36-90 mm thick ,
38-40 Kgs./M3 density-Environment friendly .
- h) Electric / control panel** 100% automatic and the PVC panel conforming to IP 54 .
Legs Stainless Steel and adjustable.
- i) Milk agitation** S.S blade driven by slow speed Agitator ,30 RPM , Sir
Sirem France coupled with a motor timer
- j) Milk Measuring** Calibrated Dip Stick provided with Milk Reading chart – Accuracy of + / - 0.5% (MCT not calibrated individually)
- k) Butter Fly Valve at milk outlet** Stainless Steel DN 50 with SMS thread with milk stopper
- l) Milk thermometer** mechanical.
- m) Milk thermostat** Electromechanical .
- n) Phase Failure Relay** Under / over voltage protection relay .
- o) Refrigerant Control** through Thermostatic Expansion Valve with external equalizer and MOP (Max. operating pressure – an important feature for the protection of the Compressor at Elevated Milk Incoming Temperature.,

COOLING UNIT Mounted on the Tank and manufactured by Copeland/ Maneuro

Designed for higher ambient -46 C and of following specs. :-

- Air Cooled Condenser - Nano coated –protection against rust
- Statically / dynamically balanced and energy efficient fan motor assembly,
- CFC free refrigerant , 3.0 / 3.5 HP Hermetic Reciprocating Compressor,
1/ 3 phase – 400 Volt – 50 hertz rating
- Contactor / overload relays from Telemechanique France .

- Low & High pressure switch, Sight glass , Filter from Danfoss,
- Liquid Line Solenoid valve interlocked with LP-HP switch,.
- Time delay relay for delayed start up - in case of frequent power failures.

B) 12 KW – 1 Phase / 3 phase Chinese Gen sets.

i) ENGINE :-

Type : Twin Cylinder Diesel Engine .
 Model : 295/2100
 Nominal Capacity : 24 HP
 No. of cylinders : 02
 Cylinder bore : 95 / 100mm
 Piston Stroke : 115 / 103 mm
 Compression ratio : 19-20 : 1
 Cooling : Forced radiator fan.
 Starting method : Electric .
 Rated speed : 1500 / 50 Hz
 Brand : SUZHOU /Equivalent - China

ii) ALTERNATOR :-

Rating : 12 KW, 1/ 3 phase, 220 / 400 V, 50 Hz.
 Type : With brush .
 Excitation : Self.
 Brand : DADI /Equivalent - China- 100% Copper winding.

iii) CHANGE OVER PANEL :-

Type : Manual,
 Dimension : 450x600x175 mm
 Change over switch : 3 Pole-/ 4 pole 50 Amp.
 Voltmeter : 0-500 Taiwan.
 S/switch : for volt meter-Italy.
 Frequency Meter. : Taiwan.
 Circuit Breakers : 03 Nos.

iv) COUPLING :-

Star type comprising of Flexible rubber coupling disc. measuring 200 x 50 mm and 2 pcs. of Steel coupling set

v) SPECIAL FEATURES :

Heavy Duty Skid Frame : U profile frame 3-1/2" x 8" x 6 mm thick sheet.
 Heavy duty Rubber mounting : 04 Nos. for the Engine – Alternator frame.
 Safety guard for the M.S Coupling and the Self starter motor.
 Separate frame / stand for the Battery and the Fuel Tank.

OPTIONAL :-

PROVISION OF THE SAFETY CONTROLLER LOOKING AFTER THE RADIATOR WATER TEMP. AND THE OIL PRESSURE AND IN CASE OF ABNORMALITY

IN ANY ONE OF THE ABOVE TWO PARAMETERS BEYOND SET POINTS , THE OPERATION OF THE GEN SET WILL BE SHUT DOWN –ELECTRICALLY.

UNIT COST FOR ABOVE FEATURE@ RS: 8,500.00 + GST@0% +SED@1%.

Warranty for Genset:-

06 Months warranty AGAINST MANUFCAURING FAULT – MAJOR ENGINE BREAK DOWN .

Other Terms and Conditions will apply as under;

- 1) Please send your sealed bids along with your organizations profile and NTN# by **April 15th 2012 -----** to Manager Internal Audit, Engro Foods 8 km Pak Patan Road, Sahiwal
- 2) Engro Foods reserves the right to cancel this tender without assigning any reason.
- 3) Contract for supply of one or more items may be granted to one or more vendors/suppliers individually depending upon the experience, potentials of the shortlisted vendors.
- 4) The selected vendors/suppliers will be bound to ensure the supply of the items to Engro Foods in Larkana, Dadu, Sukkur, Khairpur, Ghotki, Shikarpur, Muzafer Garrh and Layyah warehouses at own risk/responsibility. All the transportation and loading/unloading cost will be borne by the selected vendors/suppliers.
- 5) Only eligible vendors/suppliers having submitted their complete required credentials will be shortlisted for bidding.
- 6) The final selection of the vendors/supplier will be subject to the screen shots qualification which will ultimately confirm the non-indulgence of the vendor/Suppliers in any sort of criminal/pro-militancy acts. Indulgence in such acts in past or present will disqualify a vendor.
- 7) The preference will be given to Quality product after inspection by our representative.
- 8) Branding/Marking according to organization's requirement will be the responsibility of the selected vendors/suppliers.
- 9) The delivery of supplies will be checked as per above specifications by our nominated representative.
- 10) Selected vendors will have to deposit a refundable security @ 10% at the time of signing of contract. This amount will return after completion of assignment.
- 11) Engro Foods reserves the right to nullify the Contract in case of the substandard and delayed supply or other penalty that may be decided at that time by the organization.
- 12) Applicable Taxes will be deducted as per Government Rules and Regulations.