

IRMRA/18-19/12

Date : 12.03.2018

Sealed quotations are invited for the supply of Chiller,qty-01no. as per below specifications. Quotations should be in the name of :

Director,

Indian Rubber Manufacturers Research Association(IRMRA),

(Affiliated to Ministry Of Commerce And Industry, Govt. Of India)

Plot No. : 254/1B, Road No. 16V,

Wagle Industrial Estate,

Thane (W) : 400604.

Contact No. : 022- 67873244

On the envelope please mention "**Quotation for the supply of Chiller**".

Technical Specification:

Temperature Outlet : 10 to 18 deg. C(+/-0.5deg C) . Temperature Inlet : 20-25deg.C.

Minimum output water pressure 2 to 5 BAR.

Output Flow rate required 150 l/hour.

Water Chiller is Based on Ambient Temperature

Technical Specification Chart 1.5Tr Water Chiller for Application @+12 Degree Centigrade

| Material Required | |
|---------------------------------------|----------------------------------|
| Compressor Make | Emerson (India) |
| Model Number | KCM 519 Cal 2325 W |
| Refrigerant | 404a |
| Evaporater | BPHE or Finned& tube Coil |
| Condensor | Aircooled |
| Drier 3/8" Flare | Priveded |
| Liquid Line solenoid Valve | 3/8" coil 230v |
| Accumulator Suction | 5/8" Weldable |
| Receiver | 1.5 litres with angle Valve |
| Exshhaust Fan | 14" axial or Almonard |
| Pump Primary | Monoblock .5hp |
| Pump Secondary | Booster .5hp output of 5 bar |
| Tank Stainless Steel | 304" 100 litres Capacity |
| Plumbing | Internal Provided |
| Plumbing Fittings | SS 304 brass |
| Indication Lamp | Provided |
| On/Off Switch | Provided 4pole |
| Single Phase Preventer | VSP 3 or Equivalent |
| Pump Contactor | 9amps |
| Compressor Contactor | 16amps |
| Temperature Controller | Zubzero (TEMP-1) (TEMP-2) |
| Thermal Over Load Relay | 0.5to1.5 amps primary Pump |
| Thermal Overload Relay | 0.5to 3amps Secondary pump |
| Thermostatic Water pressure Regulator | Pressure 1.5 to 5.5 bar |
| Thermal Overload Relay | 3 to 9 amps for Compressor |
| HP/Cutout | Danfoss |
| Lp/Cutout | Danfoss |
| Wiring | with Ferruled Number |
| Frame | 40mm Fabricated with Square pipe |
| Panels | Fabricated with CRCA sheet |
| Panel Board | Provided |
| Painting | Powder Coat Finish |
| Wheels | 4" provided |
| Power Required | 3Phase 415 V |
| Operating Amps | 5.5 to7amps |
| Temp In | 30'Degree Centigrade |
| TEMP Out | +7 Degree Centgrade |