

| S. NO. | DESCRIPTION | Qty. | Unit | Unit Price | Total Price |
|--------|---|------|----------|------------|-------------|
| | <p>DEARATOR LIFT PUMP</p> <p>- As per specifications and other details attached as Annexure - I</p> <p>Page: 1/1.</p> <p>Bid Security submitted along with financial bid.</p> <p>Bidding Procedure: Single Stage - Two Envelope Technical Evaluation Criteria Attached.</p> <p>Note: The following are mandatory and to be fulfilled.</p> <p>1: MTC is essentially required in original.</p> <p>2: Supply reference record for the quoted Dearator Lift Pump must be provided with the quotation, with documentary evidence.</p> <p>3: Certificate of Origin Under Pak - China Free Trade (FTA) is essentially required with the shipping documents (If country of Origin is China).</p> <p>4: Letter of Authorization as a local agent of Foreign principal must be attached with Technical & Financial bid.</p> <p>5: Quantity can be increased, decreased or deleted after tender opening if necessary.</p> <p>6: Ocean freight charges upto Karachi seaport must be quoted Separately in Financial bid.</p> <p>7: Offers having country of origin Israel & India will not be Considered.</p> <p>8: Quotation of foreign principal must be attached with both Technical & Financial bid.</p> <p>9: 2% Bid security is essential to be submitted with Financial Bid as per clause "2" of our Tender Enquiry Terms & Conditions.</p> <p>10: Supplier can quote only one offer in a Tender, No Options / Alternate offers will be considered.</p> <p>11: One Local Agent can quote offer only from one foreign principal in Tender. Local agent offering bids with more than one foreign principal will not be considered.</p> <p>12: HMC may reject all those offers which have validity period less than required (30 days) against tender.</p> | 02 | Nos | | |
| | | | Yes / No | | |

Description

DEAERATOR LIFT PUMPS

| S.NO. | DATA | UNIT | DESCRIPTION |
|----------|------------------------------|------|---|
| A | Pump | | |
| 1 | Fluid To be handle | | Boiler Feed water |
| 2 | No.of Pumps | | Two (One working & one stand by) |
| 3 | Type of Pump | | Horizontal, Centrifugal |
| 4 | Type of seal | | Mechanical |
| 5 | Maximum Capacity | T/hr | 150 |
| 6 | Minimum capacity | T/hr | 45 |
| 7 | Delivery Pressure | MWC | 30 |
| 8 | Feed water temperature | °C | 100 |
| 9 | NPSH required | | Vendor to confirm |
| 10 | Pump speed | RPM | To be specified by vendor |
| 11 | Pump absorb Power | Kw | To be specified by vendor |
| 12 | Impeller diameter | | To be specified by vendor |
| 13 | Model of Pump | | To be specified by vendor |
| 14 | Make of Pump | | To be specified by vendor |
| 15 | Efficiency of Pump (minimum) | % | ≥ 70 |
| 16 | Performance curve | | To be provided |
| 17 | Construction material | | Vendor to confirm suiting the operating & design conditions |
| B | PUMP DRIVE | | ELECTRIC MOTOR |
| 1 | Quantity | | Two |
| 2 | Motor Power | | To be specified by vendor |
| 3 | Motor type | | Squirrel cage (TEFC) |
| 4 | Motor service factor | | ≥ 1.25 |
| 5 | Insulation class | | F |
| 6 | Protection class | | IP55 |
| 7 | Efficiency class | | IE2 |
| 8 | Mounting | | B3(Foot mounting) |
| 9 | Duty | | Continuous (S1), energy efficient type |
| 10 | Noise level at 1M from Pump | dBA | ≤ 85 at one meter |
| 11 | Terminal box | | rotateable 4 x 90° |

Pump is to be provided complete with suitable electric motor, coupling, coupling guard and common base frame etc.

GENERAL WORKING/SITE CONDITIONS.

Available Power supply
Installation
Ambient temperature.

415 Volts X 3Phase x50 Hz
Out door
45 ° C.

NOTE:

1. Two years spare parts to be quoted separately.
2. Offer should include essential spares for commissioning and trial period.
3. Special tool if any required for erection & commissioning may be included in the offer.
4. The supplier may include the first fill of lubricant if required.
5. Quotation will be supported with the relevant catalogues brochures and drawings of the equipments.