

S. NO.	DESCRIPTION	Qty.	Unit	Unit Price	Total Price
	<p><b>DEARATOR LIFT PUMP</b></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><b>Note:</b> 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 &amp; 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 &amp; India will not be Considered.</p> <p>8: Quotation of foreign principal must be attached with both Technical &amp; 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 &amp; 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
<b>A</b>	<b>Pump</b>		
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>B</b>	<b>PUMP DRIVE</b>		<b>ELECTRIC MOTOR</b>
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

415 Volts X 3Phase x50 Hz

Installation

Out door

Ambient temperature.

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.