



Technical Specification and Quotation Form of Compressor

Fiscal Year: 2081/82

	Technical Specification and Quotation Form of Compressor			Offered Price (with/without VAT if applicable)	
.No.	Particulars/Parameters	Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words
			Make:		
			Model:		*
			Mfg.Year:		
			Country of Origin:		
1	Туре	4 Piston Reciprocating Compressor or Screw Compressor			
2	Refrigerant	Ammonia (NH3) or Feron (R-22, R404A)			1
3	Capacity	≥ 30 TR (Tons of Refrigerant)			
4	Motor Power	≥ 30 HP			
5	Cooling Method	Air Cooled or Water-Cooled			
6	Lubrication	Forced lubrication System for continuous operation			,
7	Construction Material	Generally Heavy Duty Cast Iron or Steel for high durability			
8	Speed	Typically around 900-1800 rpm			
			Make:		
			Model:		
			Mfg.Year:		
			Country of Origin:		
1	Туре	6 Piston Reciprocating Compressor or Screw Compressor			
2	Refrigerant	Ammonia (NH3) or Feron (R-22, R404A	Δ)		
3	Capacity	≥ 30 TR (Tons of Refrigerant)			
4	Motor Power	≥ 30 HP			
5	Cooling Method	Air Cooled or Water-Cooled			
6	Lubrication	Forced lubrication System for continuou operation			
7	Construction Material	Generally Heavy Duty Cast Iron or Stee for high durability	1		
8	3 Speed	Typically around 900-1800 rpm			





Technical Specification and Quotation Form of Receiver

~		iculars/Parameters Required Specification		Offered Price (with/w	vithout VAT if applicable)
S.No.	Particulars/Parameters		Offered Specification	Total Price in Figure (Rs.)	Total Price in Words
			Make:		
			Model:		
			Mfg. Year:		
			Country of Origin:		
1	Туре	Horizontal or Vertical Refrigerant Receive			
2	Material	Mild Steel (MS)- Heavy duty, corrosion protected (painted or galvanized)			
3	Capacity	≥ 25 kg holding capacity of refrigerant charge			
4	Connections	Inlet, Outlet, Safety valve port, liquid level gauge, drain connection			1
5	Testing	Hydostatic pressure test copleted			

Technical Specification and Quotation Form of Expansion Valve

				Offered Price (with/v	/without VAT if applicable)	
S.No.	Particulars/Parameters	alars/Parameters Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words	
			Make:			
			Model:			
			Mfg. Year:			
			Country of Origin:			
1	Туре	Thermostatic Expansion Valve				
2	Refrigerant Compatibility	For Ammonia and Feron plants				
3	Flow Capacity	≥ 15 TR (Tons of Refrigerant)				
4	Body Material	Forged brass or SS for durability				
5	Temperature Range	-40°C to +10°C operating range				

Technical Specification and Quotation Form of Copper Coil

				Offered Price (with/v	vithout VAT if applicable)
S.No.	Particulars/Parameters R	Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words
			Make:		
			Model:		
			Mfg. Year:		
			Country of Origin:		
1	Material	High grade pure copper			
2	Туре	Seamless copper tube (to handle pressure and avoid leakage)			
3	Diameter	(7/8 inch)			
4	Temperature Range	suitable for -40°C to +150°C			
5	Surface Finish	Clean, Bright and free from oxidation			





Technical Specification and Quotation Form of Oil Separator

CN				Offered Price (with/v	vithout VAT if applicable)	
S.No.	Particulars/Parameters	Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words	
			Make:			
			Model:			
			Mfg. Year:			
			Country of Origin:		,	
	Туре	Mechanical (Impaction and Centrifugat type) Oil Separator				
1	Material	Heavy duty Mild Steel or Carbon Steel				
2	Working Refrigerant	For Ammonia and Feron plants				
3	Capacity	≥ 15 TR (Tons of Refrigerant) 1" and 1.5"				
4	Temperature Range	suitable for -40°C to +60°C				
5,	Connections	Inlet (from compressor discharge), Outlet (to condenser), Oil return line (with float valve or manual valve)			¥	

Technical Specification and Quotation Form of 40 kVA Stabilizer

CNI	Daw! 1 /D /	B		Offered Price (with/v	without VAT if applicable)	
S.No.	. Particulars/Parameters	Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words	
			Make:			
			Model:			
			Mfg.Year:			
			Country of Origin:			
1	Туре	Automatic Voltage Stabilizer				
2	Capacity	40kVA				
3	Input Voltage	340 V to 470 V for 3 phase system				
4	Output Voltage	400 V ±1%- Stable 3 phase output				
5	Frequency	50 Hz		-		
6	Phase	3-phase, 4-wire				
7	Cooling Type	Air Cooled or Oil-Cooled				
8	Operating Temperature	-5°C to +50°C				
9	Protection Features	Over-voltage protection, Under-voltage protection, Overload protection, Short-circuit protection, Bypass system (manual or automatic)				
10	Display	Digital Voltmeter and Ammeter for input/output				
11	Enclosure	MS Powder Coated Cabinet (corrosion resistant for ice plant environment)				





Technical Specification and Quotation Form of 40 kVA Stabilizer

Offered Price (with

	100	initeal Specification and Qu		Offered Price (with/v	vithout VAT if applicable)
S.No.	Particulars/Parameters	Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words
			Make:		
			Model:		
			Mfg. Year:		
			Country of Origin:		
1 ,	Туре	Manual Voltage Stabilizer			
2	Capacity	40kVA			
3	Input Voltage	340 V to 470 V for 3 phase system			
4	Output Voltage	400 V ±1%- Stable 3 phase output			7.50
5	Frequency	50 Hz			
6	Phase	3-phase, 4-wire			
7	Cooling Type	Air Cooled or Oil-Cooled			
8 3	Operating Temperature	-5°C to +50°C			,
9	Protection Features	Over-voltage protection, Under-voltage protection, Overload protection, Short-circuit protection, Bypass system (manual or automatic)			
10	Display	Analog or Digital Voltmeter and Ammeter for input/output			
11	Enclosure	MS Powder Coated Cabinet (corrosion resistant for ice plant environment)			

Technical Specification and Quotation Form of Mild Steel (MS) Can

				Offered Price (with/v	vithout VAT if applicable)
S.No.	Particulars/Parameters	Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words
		a	Make:	0.7%	
			Model:		
			Mfg.Year:		
			Country of Origin:		
1	Material	Mild Steel (MS), galvanized or painted to prevent corrosion, 18 gauge			
2	Shape	Rectangular or Tapered Rectangular			
3	Capacity	At least 50 Kg of ice per can			
4	Dimensions	At least 36"*15"*7.5" (Length*Breadth/width*Thickness)			
5	Weight of empty Can	At least 13 Kg			





Technical Specification and Quotation Form of 3-Phase 30 HP Motor

			The state of the s	Offered Price (with/w	vithout VAT if applicable)
S.No.	Particulars/Parameters Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words	
			Make:		
			Model:		
			Mfg. Year:		
			Country of Origin:		
1	Power Rating	30 HP (22.37kW)			
2	Туре	Squirrel cage induction motor or specify if other			
3	Voltage	415 V (Common Standard for 3-phase supply)			
4	Frequency	50 Hz			
5	Current	Approximately 35-45 A at full load			
6	Speed	≥1350 RPM			
7	Starting Method	Star-Delta Starter/Soft Starter			
8	Enclosure Type	Totally enclosed Fan cooled for dusty, moist ice plant environment			3
9	Insulation Class	Class F			/ -
10	Duty	S1 (Continuous Duty)			
11	Warranty	At least 1 year or specify item on which warranty is applied			

Technical Specification and Quotation Form of 3-Phase 5 HP Motor

				Offered Price (with/without VAT if applicable)	
S.No.	Particulars/Parameters	Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words
			Make:		
			Model:		
			Mfg. Year:		
			Country of Origin:		
1	Power Rating	5 HP*(3.73kW)			
2	Туре	Squirrel cage induction motor or specify if other			
3	Voltage	415 V (Common Standard for 3-phase supply)			
4	Frequency	50 Hz			
5	Current	Approximately 7-8 A at full load			
6	Speed	≥1350 RPM			
7	Starting Method	DOL Strter			
8	Enclosure Type	Totally enclosed Fan cooled for dusty, moist ice plant environment			
9	Insulation Class	Class F		1	
10	Duty	S1 (Continuous Duty)			
11	Warranty	At least 1 year or specify item on which warranty is applied			





Technical Specification and Quotation Form of 3-Phase 2 HP Motor

				Offered Price (with/w	vithout VAT if applicable)
S.No.	Particulars/Parameters	Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words
			Make:		
			Model:		
			Mfg. Year:		
			Country of Origin:		-
1	Power Rating	2 HP (1.5kW)		1	
2	Туре	Squirrel cage induction motor or specify if other			
3	Voltage	415 V (Common Standard for 3-phase supply)			
4	Frequency	50 Hz			
5	Current	Approximately 3-4 A at full load			
6	Speed	≥1350 RPM			
7	Starting Method	DOL Strter			1
8	Enclosure Type	Totally enclosed Fan cooled for dusty, moist ice plant environment			
9	Insulation Class	Class F			
10	Duty 📉	S1 (Continuous Duty)			
11	Warranty	At least 1 year or specify item on which warranty is applied			

				Offered Price (with/v	without VAT if applicable)
S.No.	Particulars/Parameters Required Specification	Offered Specification	Total Price in Figure (Rs.)	Total Price in Words	
			Make:		
			Model:		
			Mfg. Year:		
			Country of Origin:		
1	Power Rating	1HP (0.75kW)			
2	Туре	Squirrel cage induction motor or specify if other			
3	Voltage	415 V (Common Standard for 3-phase supply)			
4	Frequency	50 Hz			
5	Current	Approximately 1.5-2 A at full load			
6	Speed	≥1350 RPM			
7	Starting Method	DOL Strter			
8	Enclosure Type	Totally enclosed Fan cooled for dusty, moist ice plant environment			, £
9	Insulation Class	Class F			
10	Duty	S1	•		
11	Warranty	At least 1 year or specify item on which warranty is applied			
		Installation and Fitting Cha	rge	Total Price in Figure (Rs.)	Total Price in Words
1	Installation and Fitting C	Charge for Ice Plant's Equipment and o	other accessories		