

GSTIN: 24DCAPP9328H1ZG

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UMA PHARMATECH MACHINERY
 The Feature Of Biotech

Factory Address: 61, Yamuna Industrial Park, Vanch-Dhamatvan Road, Dhamatvan-382435, Gujarat, India

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Customer Detail

Cutomer name			
Company Name			
Mobile No			
Email Id			
Address			
GST Number			
OFFER NUMBER	upm-22-23-4082-500-50-VE	Date	03-07-23
Description	Technical Specification	Qty	Prize
350L Fermenter working volume(Total Volume 500L)(With Inbuilt Heating System-12kw-Optional)-2 hp motor	Annexture 1	1 Nos	
35L Fermenter working volume(Total Volume 50L)-0.5 hp motor	Annexture 2	1 Nos	
Online Ph Monitoring System (Ph Sensor(Imported)+Cable+Transmitter)		2 Set	
SS Filter Housing Set With 0.2 Microne PP Plated Filter Cartridge		4 set	
Air Pressure Control System In Vessel in process mode			
Automatic Temperature Controlling System in Process Mode			
Oil Free Air Compressor(5 hp)	Annexture 3	1 Nos	
Chiller(1 tr) With Inbuilt 70L SS Tank	Annexture 4	1 Nos	
Electric Steam Generator(24kw)(Automatic Feed Water)	Annexture 5	1 Nos	
SS Skid For Connecting 2 Fermenter With Utilities and valves and clamp and fittings		1sets	
Common Control Panel BOX (500L & 50L) with PLC Processing Programming Keypad Control System with Automatic Agitation Speed Control		1 Nos	

Commercial Terms and Condition

Prize Basis	Ex Factory Ahmedabad
Packing	1%Extra
Freight & Insurance	By Purchase
GST	Eatra as applicable at the time of dispatch, preseently GST 18%

Installation	By customer at their site(Extra By Us)
Payment	60% Advance and Balance Against Proforma Invoice Before Dispatch

Annexture 1			
Fermenter Vessel Details			
Total Volume(Litter)	500L		
Diameter(mm)	650		
Straight Height(mm)	1500		
shell(cylindrical)	3mm thk ss 316		
Jacket	3mmthk SS 304		
Top	Dished end with body flanged (10% torispherical)		
Bottom	Dished end(10% torispherical)		
leg	mild steel		
Baffle Recommendation(Off Wall)	4 Nos @ 90 Degree		
manhole	no		
Inner Finish	Mirror Finish		
Outer finish	Matt Finish		
Nozzles-Standard suitable Tc Ferrule or Nipple			
Total Height	to be confirmed		
Design Criteria			
Viscosity	100 cP	SG	1.1
Pressure	FV to 3kg/cm2	Temp	130 deg C
Mechanical Detail			
Sealing	Stuffing Bod With PTFE Gland Packing		
Gearbox (Elmech)	Worm Gearbox/inline helical		
Motor HP (Elmech)	2	NFLP, 4 Pole, Flanged, 3 Ph, 415 V, 50 Hz,	
Impeller Type (From bottom)	Ruston Turbine	Ruston Turbine	
Impeller Blade	6 Blade	6 Blade	
Agitator Details			
MOC Contact Parts	SS 316	Shaft Diameter	50 mm
MOC Non-CP	MS/CS	Shaft Speed(RPM)	144
Air Flow Control	Rotameter(150 LPM)	Speed Controlling	Variable Frequency Drive
Scope of Supply	Design, manufactur, supply of UPM make agitator assembly. Which includes impeller blades with hub, shaft, lantern assembly with bearing housing etc.		
Scope of Buyer	Installation in scope of buyer Electricity, Water, Drain Line, Cooling Tower, Valves and Fittings and Clamp In Buyer Scope		

Annexture 2	
Fermenter Vessel Details	
Total Volume(Litter)	50L

Diameter(mm)	330		
Straight Height(mm)	580		
shell(cylindrical)	3mm thk ss 316		
Jacket	3mmthk SS 304		
Top	Flat body flanged		
Bottom	Dished end(10% torispherical)		
leg	SS 304		
Baffle Recommendation(Off Wall)	4 Nos @ 90 Degree		
manhole	no		
Inner Finish	Mirror Finish		
Outer finish	Matt Finish		
Nozzles-Standard suitable Tc Ferrule or Nipple			
Total Height	to be confirmed		
Design Criteria			
Viscosity	100 cP	SG	1.1
Pressure	FV to 3kg/cm2	Temp	130 deg C
Mechanical Detail			
Sealing	Stuffing Bod With PTFE Gland Packing		
Gearbox (Elmech)	Worm Gearbox		
Motor HP (Elmech)	0.5	NFLP, 4 Pole, Flanged, 3 Ph, 415 V, 50 Hz,	
Impeller Type (From bottom)	Ruston Turbine	Ruston Turbine	
Impeller Blade	6 Blade	6 Blade	
Agitator Details			
MOC Contact Parts	SS 316	Shaft Diameter	25mm
MOC Non-CP	MS/CS	Shaft Speed(RPM)	190
Air Flow Control	Rotameter(150 LPM)	Speed Controlling	Variable Frequency Drive
Scope of Supply	Design, manufactur, supply of UPM make agitator assembly. Which includes impeller blades with hub, shaft, lantern assembly with bearing housing etc.		
Scope of Buyer	Installation in scope of buyer Electricity, Water, Drain Line, Cooling Tower, Valves and Fittings and Clamp In Buyer Scope		

Annexture 3

MODEL	PE 5 T NL	Working Pressure (KG/CM2)	8
Working Pressure (KG/CM2)	8	Piston Displacement (CFM)	15.6
Free Air Delivery (CFM)	11	Air Receiver (LTRS.)	200
Motor (H.P)	5	Electrical Condition	415 Volts / 3 Phase

Annexture 4

Capacity	1 Tr	Medium To Be Cool	Water
Tank	40L	inlet Tempereture In Chiller	35 Degree Celcius

Power Consumption	3 kw	Outlet Temperature From Chiller	15 Degree Celcius
Refrigerent	R-22	Water Pump	0.5HP

Annexture-5

Electric Steam Generator

Capacity	24kw	Capacity(steam output)	32 kg/hr
Design Pressure:4kg/cm2	6 kg/cm2	Maximum Operating Pressure:	4kg/cm2
Power Supply:	440V/50Hz/Ac	SS Safety Valve(Mechanical Spring Type)	Adjustable
Base Structurex	MS	Material of construction of Shell(Chamber-30L):	SS304
Insulation	Glass Wool	Temperature Sensor	PT100
Pressure Switch	Den Force kp 36	Pressure Guage	Jel Filled Dial Type
Controlling	Micro Processor Based Temperature Control With Digital Display		
Water Level	Automatic Feed Water		



