

GSTIN: 24DCAPP9328H1ZG

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UMA PHARMATECH MACHINERY

The Feature Of Biotech

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Customer Detail

Cutomer name			
Company Name			
Mobile No			
Email Id			
Address			
GST Number			
OFFER NUMBER	upm-22-23-4082-1000-100-FA	Date	06-07-23

Description	Specification	Qty	Prize
700L Fermenter working volume(Total Volume 1000L)	Annexture 1	1 Nos	
70L Fermenter working volume(Total Volume 100L)	Annexture 2	1 Nos	
Online Ph Monitoring System (Ph Sensor(Sterilizable)+Cable+Transmitter)		2 Set	
Paristaltic Pump(Fixed Speed) With (Glass Bottle+0.2 Microne Vent Filter+ 2 Meter Silicon Tube)		6 Set	
Online Dissolve Oxygen Sensor(Sterilizable) With 3 Meter Cable and Transmitter		2 Set	
Load Cell System		2 Set	
Agitation Speed Control Through VFD		2 Nos	
SS Filter Housing Set With 0.2 Microne PP Plated Filter Cartridge		4 set	

Features

Automatic Media Sterilization System		
Auto Filter Sterilization		
SIP System		
Spray Ball For CIP In Vessel		
Mechanical Deformer		
Air Pressure Control System In Vessel		
Data Logging Facility With USB Port Data Collection		
Automatic Temperature Controlling System		

Utilities

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(36kw)(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 with Advanced PLC Processing Programming Control System With 7 Inch HMI		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, preesently 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)	1000L		
Diameter(mm)	850		
Straight Height(mm)	1630		
shell(cylindrical)	5 mm thk ss 316		
Jacket	5 mmthk SS 304		
Top	Dished end with body flanged (10% torispherical)		
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	Single Dry Mechanical Seal		
Gearbox (Elmech)	Worm Gearbox/inline helical		
Motor HP (Elmech)	3	NFLP, 4 Pole, Flanged, 3 Ph, 415 V, 50 Hz,	
Impeller Type	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(350 LPM)	Speed Controlling	Variable Frequency Drive

Scope of Supply	Design, manufacture, 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

Annexure 2

Fermenter Vessel Details

Total Volume(Litter)	100L
Diameter(mm)	400
Straight Height(mm)	800
shell(cylindrical)	4 mm thk ss 316
Jacket	4 mmthk 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/cm ²	Temp	130 deg C

Mechanical Detail

Sealing	Single Dry Mechanical Seal		
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	30mm
MOC Non-CP	MS/CS	Shaft Speed(RPM)	190
Air Flow Control	Rotameter(50 LPM)	Speed Controlling	Variable Frequency Drive

Scope of Supply	Design, manufacture, 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 Tempetature 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	36 kw	Capacity(steam output)	47 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		



General @ Technical Terms and Condition

FORCE MAJEURE Every effort will be made to deliver the goods within stipulated delivery period, but we take no responsibility for any delay occasioned by reasons beyond our control, known as 'Force Majeure'. Delayed delivery will not entitle the customer for cancellation of contract. No claim for refund of deposits / advance or damages will be entertained in such cases.

JURISDICTION Irrespective of where the material goes or what is mentioned in the purchase order, disputes, if any, shall be subject to Pune jurisdiction only.

WARRANTY We warranty the instruments against only manufacturing defects during 12 months from date of sale subject to our detailed warranty terms & conditions sent with the material. No other Guarantee / Warranty will be binding on us. Under no circumstances we will be responsible to anybody for any type of consequential liability/ loss of public property/ loss of life due to any reasons whatsoever i.e. public/ product is not within the purview of this warranty The warranty does not cover perishable items like pH / ION / DO / Chlorine / Conductivity & other Sensors, all semiconductor devices, Fuse, Transistor, Electrical / Mechanical/ Rubber Parts like Electric Motors, Switches, Contactors, Thermostats, Heaters, Diaphragms, "O" Ring, etc., Thruster Module, Batteries, PZT Crystals, etc & other imported components etc. The Performance of the Sensor / Electrode will be drastically affected if integral cable is cut or damaged. Guarantee / Manufacturing defect clause is not applicable in such case. The Performance / Life of pH Electrode/ Sensor will get affected by presence of HF, Solvents, and Aromatic compounds, Highly Acidic / Alkaline Medium. We will not be responsible for

Electronic Goods/ Heater/ Controllers/ Motors/ Panel Board Electrical goods and any accident or damage caused by improper handling, misuse or non-maintenance of the machine or accessories. No Warranty for Movable items as they are subjected to wear and tear due to usage and operator's handling. No claim for Shortage, Damage, Breakage etc., will be entertained after the goods leave our premises.

REJECTION CLAUSE: If you're good self / representative fails to arrive for Final Inspection, then it will be considered that the offered machine perfectly fits in with your needs and is devoid of any manufacturing regards ever in future. Machine / goods once sold would not be taken back. . Any laboratory equipments in customer's scope of supply.. All statutory approvals

DEMURRAGE CHARGES: Any delay from the client's end in depositing Balance Payment after machine readiness information is passed onto him, then in such scenario we will charge 2% demurrage charges per month on the balance amount.

ERECTION & COMMISSIONING: If required, then technician's service charges, to and fro ticket charges, plus lodging / boarding charges will be charged extra. Main Switch, Starter and extension wirings for electric motor are not provided with the Order. All Spare Parts can be made available on chargeable basis, whenever required. Dispatch charges Extra.