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| --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Mr. Ashis Agrawal** | | | **Quotation Number:-RW/2019-20/Q\_4077** | | | |
| 2500 Liter / Batch Beer Production Line | | | | | |
| **Sr.no** | **Item** | | **Qty** | **Rate** | **Amount** |
| 1 | Milling System Malt miller   * Production capacity:800Kg/h * Type: Double roller, roller material :high alloy * Include motor, belt pulley and belt etc. * Material: carbon steel | | 1set | 140000 | 140000 |
| 2 | Water Purification System-3000LPH  Storage Tank -5000 Liter - 2Nos | | 1Set | 550000 | 550000 |
| **Brew House System** | | | | | |
| 3 | * Mash tun 2500L * Lauter tank-2500L * Kettle/whirlpool tun 2500L * Wort pump 5T/H-2Nos | | 1 | 2158000 | 2158000 |
| 4 | Work platform- SUS304,Matching | | 1 | 85000 | 85000 |
| 5 | Plate heat exchanger- 14m2 | | 1 | 140000 | 140000 |
| 6 | Gas steam generator-300Kg/hr | | 1 | 774000 | 774000 |
| 7 | Hot water tank-5000L | | 1 | 609000 | 609000 |
| 8 | Hot water pump-5t | | 1 | 45500 | 45500 |
| **Fermenting System** | | | | | |
| 9 | Fermentation tank-5000L(8Pc) | | 8 | 762000 | 6096000 |
| 10 | Yeast adding tank-50l | | 1 | 25500 | 25500 |
| 11 | Sanitation grade hose- Φ32, L=20m/pcs-2 | | 1 | 61200 | 61200 |
| **Cooling System** | | | | | |
| 12 | Chiller machine-15HP | | 2 | 575000 | 1150000 |
| 13 | Ice water tank-7500L | | 1 | 671500 | 671500 |
| 14 | Cool water pump-5T/H | | 1 | 45500 | 45500 |
| **CIP system** | | | | | |
| 15 | * Sterilizing t/Alkali liquor Tank-300L(2Nos) * CIP trolley-1 * Washing pump-3T/H | | 1Set | 215900 | 215900 |
| 16 | Control System- Control cabinet- PLC control | | 1 | 459000 | 459000 |
| 17 | Accessory- Valve, pipes, spare parts | | 1 | 212500 | 212500 |
| 18 | Automatic Inkjet Batch Coding Machine | | 1 | 200000 | 200000 |
| **Beer Bottle Filling Machine** | | | | | |
| 19 | Beer fiiling Machine-500 B/H 650ML  Inlet belt conveyor-2Meter  Mono block glass bottle Beer filler (8-6-1)   * Washing heads：8diameter ：φ595） * Filling valve heads：6(diameter：φ510） * Capping heads：1（diameter ：φ170） * Bottle size: 330ml,750ml * Applicable bottle ：bottle height 200～ 350mm * Overall dimension ：1800×1300×2550 mm（L×W×H）Weight：1800 Kg * Exchange part-1Set * Outlet belt conveyor-2M   Beer Pasteurizer tunnel machine   * 500B/H（650Ml） * Bottle inlet temperature：3℃ Bottle outlet temperature：30-25℃ * Sterilization temperature ：65-70℃（Adjustable Electricity source ： 380V / 50Hz or customize * Heating steam pressure ： 0.2Mpa , hot recyclable water quantity：6m3 * Material ：Frame is SUS304 and the board is 2 mm thick. The net belt material is SUS304, * Over size :((L×W×H ):6000×1100×1650mm   Bottle drying machine:- Power of motor：5.5KW   * Blowing rater:546-716m3/h * Material:SUS304 * Weight;120kg . Machine size:L950\*W430\*H1400mm * Packing size: L1100\*W 530\*H1570 mm   Double side sticker labelling machine :-   * Model PM-660 * Production capacity (Speed). 1-45m/min * Labelling accuracy +/-1 mm * Max labelling width 120mm * Weight 240Kg * Overall dimension:2500\*1300\*1400 * mm * Input voltage 220V/50Hz/500W * Label inner diameter 76.2mm * 9 Label outer diameter 350mm | |  | 6975000 | 6975000 |
|  | Conveyor-25M Calculated in a  single row. Material: SS304 and plastic chain plate  Included: Variable speed motor  Power: 370W  Voltage: 50 HZ /220V   * Turning conveyor-3PCS * Conveyor motor-4PCS | |  |  |  |
|  |  | |  |  |  |
|  | | |  | Grand Total | 2,06,13,600 |
| Raj Water Technology (Guj.) Pvt. Ltd. | | | | | |

**Terms & Condition**

**1) Price**

* **The Quoted Prices Are Ex-Factory**

**2)   Payment**

* **50% Advance Along With The Purchase Order, 30% After Inspection, & 20% Before Material Dispatch.**
* **In Case Of Cancellation Of Confirmed Order Due To Any Reason, As A Part Of Penalty 25% Amount Of The Order Value Shall Have To Pay By You To Raj Water.**

**3)   Packing, Freight & Transit Insurance, & Unloading**

* **Packing Charge Will Be Extra (Depend On Packing Material)**
* **Transport To Be Arranged By The Customer OR If Arranged By Raj Water: Extra At Actual Plus GST.**
* **Transportation Insurance In The Scope Of Buyer.**
* **Unloading In The Scope Of Buyer. Buyer Has To Ready Forklift Or Crane And Unskilled Labor.**

**4)  Delivery**

* **Schedule For Dispatch Will Be Notified.**
  + **Delivery Dates Are Approximate Only, And Assume Timely Receipt Of All Information, Test Materials & Payment.**

**5)   Warranty**

* **We Shall Provide 1 Year Warranty For The Following:**
* **Manufacturing Defects, Raw Water Pump, High Pressure Pump, Treated Water Transfer Pump.**
* **Due To Fluctuation In Power Supply, Attempted Repaired By Person Other Than Our Technical Representative, Improper Handling Or Negligence By End Users, Poor Maintenance, Improper Use Of Equipment, That All Type Of Damage Not Covered In Warranty Create Area.**
* **During The Warranty Period, We Shall Provide Supervisory Services Of Our Technical Representative As And When Required.**

**6)    Accommodation**

* **Technician Charge Will Be Extra 1000/- Rs. Per Day.**
* **Travelling, Lodging And Boarding, Local Conveyance And Any Other Miscellaneous Expense Of Our Technical Representative Will Have To Be Borne By Client.**

**7)   Validity**

* **Our Offer Is Valid For Your Acceptance For A Period Of 6 Months From The Date; Thereafter It Will Be Subject To Confirmation By Us.**

**8)    Image:-Images Are For Representation Purpose Only.**

**9)  Jurisdiction:-All Terms Subject To Rajkot ,Gujarat Jurisdiction**

**2500 Liter / Batch Beer Production Plant**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1.Milling System** | | | | | |
| Malt miller | 1.Production capacity:800Kg/h  2.Type:Double roller, roller material :high alloy.  3.Include motor, belt pulley and belt etc.  4.Material: carbon steel | **1** | |  | |
| **Brew House System** | | | | | |
| 1.Mash tun | 1.Effective Capacity: 2500L;Total  Capacity:3250L  2.Boundary dimension:φ1960×1800mm  3.Insulation:rock wool  4.Insulation thickness:80mm  5.Interior thickness:3mm  6.Exterior thickness:2mm  7.Mechanical agitation:frequency  control,Danfoss. Top with mixing device  8.**Heating:Steam Heating,heating area:4m2**  9.Dished top;Top mounted manhole  10.Belt graduation display Level gauge  11.CIP 360°rotary spray device,2 for each tun  12.Temperature sensor  13.Material: SUS304,Brushed outer shell  14.Plate Surface protection,ribbon polished on  welds  15.100%TIG welding with pure argon gas  shield  16.4pcs completely SUS304 heavy duty legs  with leveling pad  17.Outdoor seam exhaust device  18.With all matched valves and accessories | | **1** | |  |
| 2.Lauter tun | 1.Effective Capacity: 2500L;Total  Capacity:3250L  2.Boundary dimension:φ1960×2480  3.Insulation: rock wool  4.Insulation thickness:80mm  5.Interior thickness:3mm;Exterior  thickness:2mm  6.Mechanical agitation:frequency  control,Danfoss.  Agitator with the possibility to turn the other  way around to sweep.  7.Dished top;Top mounted manhole  8.Belt graduation display Level gauge  9.CIP 360°rotary spray device,2 for each tun  10.Milling sieve plate,max 0,7mm holes,no  cracks.  11.Side spent grain door, the lid with the  double hinge;a small plate at the bottom of the  side door.  12.Material: SUS304,Brushed outer shell  13.Plate Surface protection,ribbon polished on  welds  14.100%TIG welding with pure argon gas  shield  15.4pcs completely SUS304 heavy duty legs  with leveling pad  17.With all matched valves and accessories | | **1** | |  |
| 3.Kettle/whirlpool  tun | 1.Effective Capacity: 2500L;Total  Capacity:3250L  2.Boundary dimension:φ1960×2480  3.Insulation:rock wool  4.Insulation thickness:80mm  5.Interior thickness:3mm  6.Exterior thickness:2mm  7.Can be seen as a hot water tank, 1℃ raised  in 1 min.  8.Heating:Steam Heating, heating area:1.8m2  9.Dished top; Top mounted manhole  10.Belt graduation display Level gauge  11.CIP 360°rotary spray device,2 for each tun  12.Temperature sensor  13.Material: SUS304,Brushed outer shell  14.Plate Surface protection, ribbon polished on  welds  15.100%TIG welding with pure argon gas  shield  16.4pcs completely SUS304 heavy duty legs  with leveling pad  17.Outdoor seam exhaust device  18.With all matched valves and accessories | | **1** | |  |
| 4.Wort pump | 1.Flux:5m3/h,lift pump:18m  2.Type :Sanitary Centrifugal pump,frequency  control,Danfoss.Half open pump, malt and wort  can be pumped at the same time  3.Temperature resistance:120℃  inletφ38,outletφ32,clamp connection  4.Material:Sanitary SUS304 | | **2** | |  |
| 5.Heat  exchanger | 1.Effective cooling area:14m2  2.Two stage for city water and ice water  3.Material:SUS304,plate Heat exchanger  4.Ice water inlet/outlet,water inlet,water  outlet:clamp connecting | | **1** | |  |
| 6.Gas steam  generator | Brand: Huazheng  Origin: China  Rated steam capacity:300kg/h  Rated working pressure:0.7MPa  Natural gas consumption:24m2  LPG: 19.8kg/H  Power of water pump:1.1kw  Boundary dimension: 1120\*1370\*2120mm  Weight:1070kg  Working voltage:AC380V50Hz  Thermal Efficiency:89-93%  Head of tube plate:δ=12mm  Steam outlet:DN40  Blowdown/drain:DN32  Water inlet:DN25  Safety valve:DN40 | | **1** | |  |
| 7.Hot water tank | 5000L  φ2260\*H2400 | | **1** | |  |
| 8.Hot water  Pump | 1.Flux:5m3/h,lift pump:18m  2.Type :Sanitary Centrifugal pump,frequency  control,Danfoss.Half open pump, malt and  wort can be pumped at the same time  3.Temperature resistance:120℃  inletφ38,outletφ32,clamp connection  4.Material:Sanitary SUS304 | | 1 | |  |
| 9.Pipeline of  Mash  Combination | Sanitary valves and piping,  Clamp connecting,  Material:SUS304  Complete valves, fittings and all parts  Every weld to a smooth sanitary finish  (Butterfly valve,Solenoid valve,Steam  trap,Pipeline sight glass etc.) | | 1set | |  |
| 10.Wort  Thermograph | WNG/WNY(0～100℃),  Glass, Stainless steel casing tube  thermometer | | 1pcs | |  |
| 11.Venturi pipe  cross  (Wort  oxygenator) | φ32,  Material:SUS304 | | 1set | |  |
| 12.Measurement  tube | φ32 L=350,  Material:SUS304 | | 1pcs | |  |
| 13.Sugar Meter | 10°,20°,  Material:Glass | | 2 for  each | |  |
| 14.Grain Rake | L=1500,  Material:SUS304 | | 1pcs | |  |
| 15.Titanium stick | φ22×125 | | **1pcs** | |  |
| 16.CIP 360°rotary  spray device | Spraying Balls 360°comprehensive cleaning | | matching | |  |
| 17.Work Platform | Matched with the equipment,  Material:SUS304,Brushed surface,Floor with  holes ;stairs can be attached and removed.  With bolts or hooks.  Including leveling feet | | **1set** | |  |
| **3.Fermenting System** | | | | | |
| 1.Fermentation  Tank  (Uni-tank) | 1.Effective Capacity: 5000L;Total  Capacity:6520L  2.Boundary Dimension:φ2100\*3900mm  3.Dimple plate cooling jacket,Dual glycol  zoned jacket:1.5mm,Cooling area:9m2  4.Insulation:polyurethane.  5.Insulation thickness:100mm  6.Interior thickness:3mm  7.Exterior thickness:2mm  8.Dished head and taper angle 60°  9.Side man way  10.CIP 360° rotary spray device  11.Inner tank mechanical polishing and out  Plate Surface protection ribbon polished on  welds.  12.Double in/outlet  13. With carbon stone connection  14.With Solenoid valve,breathing  valve,mechanical pressure regulating valve,sampling valve and accessories  matched  15.Material: SUS304,Brushed outer shell | | **8** | |  |
| 2.Yeast adding  Tank | 50SUS304 | | **1** | |  |
| 3.Sanitation  grade hose | Ф32 internal diameter, L=20m/pcs  Material:Foodstuff rubber,  Brand:Lanshell (Blue food hose LSFSD, with  stainless steel links) | | **2pcs** | |  |
| 4.Cold media  Pipeline,Valve | φ32/φ25;  With Pipeline,Valves(Manual butterfly  valve,ball valve,pipes and fittings)  Material:PPR  Assorted to the whole system | | **1set** | |  |
| 5.Insulation  Pipeline,Valve | φ32/φ25(internal diameter),  With PAP plate,Adhesive tape;  Material:Polyethylene  Assorted to the whole system | | **1set** | |  |
| 6.CIP 360°rotary  spray device | Spraying Balls 360°comprehensive cleaning | | matching | |  |
| **Cooling System** | | | | | |
| 1.Chiller  Machine | 1.Cooling Capacity:15HP,assembling  unit,R407C  2.Glycol water chilling,glycol % = 30% ,so the  liquid will not freeze | | **2** | |  |
| 2.Ice water tank | 1.Effective Capacity:7500L;Total  Capacity:8300L  2.Boundary dimension:φ2200×3560  3.Insulation:polyurethane ;TH=80mm  4.Interior Shell: SUS 304 full  welded;TH=3mm  5.Exterior Shell: SUS 304 full  welded;TH=2mm  6.Inner tank mechanical polishing and out  Plate 7.Surface protection ribbon polished on  welds  8.100%TIG welding with pure argon gas  shield  9.Material:SUS304,Brushed outer shell | | **1** | |  |
| 3.Ice water  Pump | 1.Flux:5m3/h,lift pump:25m  2.Type :Sanitary Centrifugal pump  3.Temperature resistance:120℃  inletφ38,outletφ32,clamp connection  4.Material:Sanitary SUS304 | | **1** | |  |
| 4.Cold media  Pipeline | φ32/φ25  Material:PPR/SUS304  Assorted to the whole system | | **1set** | |  |
| 5.Insulation  Pipeline | φ32 internal diameter  Material:Polyethylene  Assorted to the whole system | | **1set** | |  |
| **CIP system** | | | | | |
| 1.Sterilize Tank | 1.Effective volume:200L  2.Body Thickness:2mm  3.Lid with a hinge.Outer Plate Surface  protection,welding line Polished  4.Material:SUS304,Brushed outer shell  5.With valves and accessories | | **1** | |  |
| 2.Alkali liquor  Tank | 1.Effective volume:200L  2.Body Thickness:2mm  3.Electric heating,4KW  4.Lid with a hinge.Outer Plate Surface  protection,welding line Polished  5.Material:SUS304,Brushed outer shell  6.With valves and accessories  7.CIP trolley Dimension:2000×700,Frame  trolley(Open trolley no plate) | | **1** | |  |
| 3.Washing pump | 1.Flux 3m3/h,lift pump:18m  2.Type :Sanitary Centrifugal pump  3.Temperature resistance:120℃  Inletφ38,outletφ32,clamp connection  1.Material: SUS304 | | **1** | |  |
| 4.Pipeline,Valve  S | Assorted to the whole system,  Material:Sanitary SUS304 | | **1set** | |  |
| 5.Control box | Adjustable temperature control by thermostat  Material:spraying plastic  Matched with the CIP trolley | | **1pcs** | |  |
| 6.wired hose | φ32 L=1.5m,with φ32 Stainless steel rubber  hose connecter and Pipe clamp,  material:foodstuff hose | | **1pcs** | |  |
| **Control system** | | | | | |
| Control  Cabinet | PLC,including power control  Material: spraying plastic  Temperature control and display  Power centralized control  Materila:PVC  Assorted to the whole system | | **1set** | |  |