

Tender Form

1. NAME OF THE FIRM : _____
2. CORRESPONDENCE ADDRESS
WITH TELEPHONE AND FAX NO : _____
3. LOCAL ADDRESS WITH TELEPHONE
AND FAX NO. : _____
- 4 SALES TAX/VAT REGISTRATION PROOF : _____
5. COPY OF AUTHORISED DISTRIBUTORSHIP : _____
6. TECHNICAL SPECIFICATIONS OF
THE GOODS ALONGWITH
LITERATURE/BROCHURE : _____
- 7 PROOF OF PAST PERFORMANCE
IF ANY : _____
8. LIST OF OWNERS/PARTNERS AND
CERTIFICATION REG. BLACKLIST & CR.
CASE ATTACHED OR NOT : _____
9. TENDER FEE : _____
- 10 EARNEST MONEY DETAIL : _____
- 11 COPY OF TERMS AND CONDITION
DULY SIGNED & STAMPED : _____

SIGNATURE OF THE TENDERER
WITH STAMP

A. Tractor 55-60 HP with accessories

| Sr. No. | Particulars | Qty. | Rate in Rs. | Amount in Rs.* |
|---------|--|------|-------------|----------------|
| i. | <p>Tractor 55 HP</p> <ul style="list-style-type: none"> • Horse Power: 55 HP • Engine: 4 stroke, DI • Rated Engine Speed: 2000 rpm • Steering: Power Steering • Brakes: Mechanical oil immersed disc brakes force applied on both wheels simultaneously • Hydraulics: Double Acting Hydraulic • Hydraulic tank capacity: 60 litre • Lifting power: 1500 Kg • Fuel Tank capacity: 68 litre • Front Tyre Size: 6.0 X 16/ 6.5 X 20 / 7.5-16 • Back Tyre Size: 14.9 X 28/13.6 X 28 /16.9-28 • PTO speed: 540 rpm • Warranty, Registration, Insurance, Passing and Other • Accessories (Cover, Bumper, Weights, Spanner set, Jack Tomy etc.) | 1 | | |
| ii. | <p>Tractor 57 HP</p> <ul style="list-style-type: none"> • Horse Power: 57 HP • Engine: 4 stroke, DI • Rated Engine Speed: 2000 rpm • Steering: Power Steering • Brakes: Mechanical oil immersed disc brakes force applied on both wheels simultaneously | | | |

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| | <ul style="list-style-type: none"> • Hydraulics: Double Acting • Hydraulic tank capacity: 60 litre • Lifting power: 2000 Kg • Fuel Tank capacity: 60 litre • Front Tyre Size: 7.5 X 16(8PR) • Back Tyre Size: 16.9-28 (12PR) • 540 rpm • Warranty, Registration, Insurance, Passing and Other • Accessories (Cover, Bumper, Weights, Spanner set, Jack Tomy etc.) | | | |
| iii. | <p>Tractor 60 HP</p> <ul style="list-style-type: none"> • Horse Power: 60 HP • Engine: 4 stroke, DI • Rated Engine Speed: 2200 rpm • Steering: Power Steering • Brakes: Mechanical oil immersed disc brakes force applied on both wheels simultaneously • Hydraulics: Double Acting • Hydraulic tank capacity: 60 litre • Lifting power: 1800 Kg • Fuel Tank capacity: 60 litre • Front Tyre Size: 7.5 X 16/ 6.5 X 20 • Back Tyre Size: 16.9 X 28/16.9 X 30 • PTO speed: 540 rpm • Warranty, Registration, Insurance, Passing and Other • Accessories (Cover, Bumper, Weights, Spanner set, Jack Tomy etc.) | | | |

B. Workshop Material

| Sr. No. | Particulars | Qty. | Rate in Rs. | Amount in Rs.* |
|---------|--|------|-------------|----------------|
| i. | Hand operated Press Brake Machine <ul style="list-style-type: none"> • Size: 2000mm X 2 mm • Cutting capacity: 18 Gauge • Stroke of RAM: 100 mm • With standard equipments: Knife Die: 200 X 25 mm V- Block (5 Grooves): 90 X 90 mm Half Round: 2000 X 25 mm Pipe Arms (2 Nos.): 1750 mm • Weight: 700 – 1000 Kg | 1 | | |
| ii. | Pillar Drill Machine <ul style="list-style-type: none"> • Drilling capacity: 25 mm • Spindle travel: 200 mm • No. of spindle speed: 8 • Range of spindle speed: 80- 1800 rpm • Spindle drive motor: 1 HP, 1440 rpm • Working table: 300 X 250 X 250 mm • Maximum Drill Head Travel: 355 mm • Maximum distance from column to spindle: 655 mm • Minimum distance from column to spindle: 300 mm • Maximum distance from base to spindle: 880 mm • Minimum distance from base to spindle: 175 mm • Diameter of column: 130 mm • Base plate size: L X W X H: 1005 X 605 X 125 mm • ½” Drill Chuck & Arbor • Drill sleeves set | 1 | | |
| iii. | CO₂ MIG Welding Machine Power: <ul style="list-style-type: none"> • 250 Amp, 440 volt AC 3 phase, with feeder Provided with CO₂ gas cylinder • Input Current: 12.7 A • Output Current Range: 50-250 A • Input Voltage: AC 380 V± 15% • Output Voltage: 16.5-26.5 V | 1 | | |

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| | <ul style="list-style-type: none"> • Efficiency: 85% • Wire Feeder: Separated • Suitable for thin/thick M.S. Stainless steel and Aluminium • Applicable plate thickness: Above 0.8 mm • Net Weight: 18 Kg • Dimension: 505mm X 203mm X 375mm | | | |
| iv. | <p>Laser Engraving and Cutting Machine</p> <ul style="list-style-type: none"> • Laser Type: Sealed gas CO₂ laser tube • Laser Power: 60 watt • Engraving area: 600 mm X 400 mm • Cooling system: Industrial chiller • Resolution: 0.05 mm • Power supply: 220 volt ± 10%/ 50 Hz • Gross power: 1.5 Kw • Working Temperature: 0 to 28°C • Graphic file support: PLT, CDR dwg, dxf, dst, bmp, jpg, tiff, gif, pcx etc. • Character size: Minimum character form 1mm X 1mm • Application Material: Nonmetal such as softwood, acrylic, paper, cardboard, cloth, leather, plastic, PVC, Rubber, Ceramic, Flat Glass, ABS sheet. • Air supply system and Exhaust System | 1 | | |
| v. | <p>Nanofibre Electrospinning Unit</p> <p>Spinning arrangement: Both vertical and horizontal</p> <p>Power Supply:</p> <ul style="list-style-type: none"> • Input voltage: 230 V AC single phase • Output voltage: 0-30 KV, 20 W, 0.5 mA <p>Collector specification:</p> <ul style="list-style-type: none"> • Plate, drum collectors and liquid collector • Size preferred: 200 mm X 200 mm (for both drum and plate) • Material: Stainless steel • Rotation speed of drum: Adjustable <p>Spinneret/ syringe specification:</p> <ul style="list-style-type: none"> • Infusion/ withdrawal pumping system • Programmable: Controls both time and volume • Single nozzle: 10 ml glass syringe with needle • Coaxial nozzle: 50 mm dia./ stainless steel • Flow rate: 31.27 µl/hr to 21.2 ml/min (When using a 10ml syringe) • Type of syringe: 10ml glass syringe | 1 | | |

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| | <p>Temperature Details:</p> <ul style="list-style-type: none"> • Ambient working temperature: 5 to 45°C • Temperature range inside the fume hood: Ambient to 50°C <p>Dimensional details:</p> <ul style="list-style-type: none"> • 1000mm (width) X 950 (length) X 1150 (height) approx. • Weight: 450 Kg Approx <p>XY translational stage:</p> <ul style="list-style-type: none"> • Motorized control of X and Y, Manual control of Z axis <p>Accessories:</p> <ul style="list-style-type: none"> • Power light, emergency stop button, speed controller, Safety mechanism • Manuals, training, warranty and installation <p>Optional accessories: Multichannel syringe pump, Glove box, conveyor type collectors, computer interface using lab view, video camera and display</p> | | | |
| vi. | <p>Vacuum Packaging Machine</p> <ul style="list-style-type: none"> • Chamber dimensions (LXWXH): 520X456X 100 • Seal length: 400mm • Seal width: 3 mm • Max. pack size:400mm X 350 mm • Seal to seal distance: 350 mm • Number of sealing jaws: 2 • Machine dimensions (L X W X H): 655 X 625 X 965 • Voltage/ frequency (V/Hz): 240/50 • Power (W): 1800 • Pump Capacity (m³/ hr): 20 • Construction material: SS 304 • Lid: Flat and Transparent 25 mm Acrylic • Packing cycle: Maximum 35 seconds • Optional: Moulds to provide brick like shape to product, Nitrogen Gas flushing, soft vacuuming etc. • Free consumables, tools, spares and manuals. | 1 | | |

C. Chemicals and Glassware

| Sr. No. | Particulars | Qty. | Rate in Rs. | Amount in Rs. |
|---------|--|----------|-------------|---------------|
| i. | <p>Autoclave: Vertical Automatic</p> <ul style="list-style-type: none"> • Material: Stainless Steel • Capacity:200 litre • Size: 140cm height X 200 cm Dia. • Temperature Range: 0 to 124°C • Temperature indicator: 0 to 124°C • Pressure Range: 15 to 20 psi • Construction: Triple walled • Steam pressure gauge: To measure inlet & outlet steam pressure (15 to 20 psi) • Water level gauge: To measure water level in autoclave • Automatic low water protection • Automatic pressure control switch • safety valve and eject valve • Water inlet & outlet valve • Safety certification, manual | 1 | | |
| ii. | <p>Laminar Air Flow</p> <ul style="list-style-type: none"> • Material: Electro-galvanized (G.I) sheet metal with powder coat finish • Size:128 x 90 x 190 cm (length x breadth x height) • Construction: Unit consists of HEPA Filter, PRE Filter, Blower Assembly, S.S. Table top, U.V. Lamp, Transparent Front Door, inbuilt glass bid sterilizer, Manometer, Gas cock, Side View Glass Panel, Castor Wheel and Level Jack • HEPA Filter • Cleanliness: Class 100 Particle retention: 0.3 micron & above • Velocity: 90 ± 20% • Noise level: 65 db ± 5% • Illumination: 750 to 800 lumen • Safety Certification and manual | 1 | | |
| iii. | Glassware | | | |
| 1 | Stirring Rod (Long) | 4 Nos. | | |

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| 2 | Spirit Lamp (Brass) | 2 Nos. | | |
| 3 | Mask (Cloth Autoclavable) | 30 Nos. | | |
| 4 | Mask (Disposable) | 300 Nos. | | |
| 5 | Cap (Cloth Autoclavable) | 30 Nos. | | |
| 6 | Apron (Full size) | 25 Nos. | | |
| 7 | Goggles | 2 Nos. | | |
| 8 | Scalpel (Blade Holder) | 40 Nos. | | |
| 9 | Gloves (Heat Resistant) | 5 Nos. | | |
| 10 | Forceps 8" | 40 Nos. | | |
| 11 | Pressure Cooker (Large) | 2 Nos. | | |
| 12 | Surface Cleaning Wiper (Duster) | 1 Nos. | | |
| 13 | Bulb (Cfl)18 Watt | 40 Nos. | | |
| 14 | Plastic Tray | 10 Nos. | | |
| 15 | Petri Dish Glass 100x15mm | 20 Nos. | | |
| 16 | Plastic Beaker With Handle (5 litre) | 7 Nos. | | |
| 17 | Plastic Beaker With Handle (2 litre) | 5 Nos. | | |
| 18 | Reagent Bottle With Screw Cap (1 litre) | 20 Nos. | | |
| 19 | Reagent Bottle With Screw Cap (500 ml) | 5 Nos. | | |
| 20 | Test Tubes (20 ml) - Borosil | 100 Nos. | | |
| 21 | Conical Flask (500 ml) - Borosil | 15 Nos. | | |
| 22 | Conical Flask (250ml) - Borosil | 30 Nos. | | |
| 23 | Conical Flask (100ml) - Borosil | 10 Nos. | | |
| 24 | Beaker (100ml) - Borosil | 30 Nos. | | |
| 26 | Wash Bottle- Borosil | 10 Nos. | | |
| 27 | Measuring Cylinder (25 ml) - Borosil | 5 Nos. | | |
| 28 | Measuring Cylinder (50 ml) - Borosil | 5 Nos. | | |
| 29 | Measuring Cylinder (20 ml) - Borosil | 5 Nos. | | |
| 30 | Measuring Cylinder (100ml) - Borosil | 5 Nos. | | |
| 31 | Measuring Cylinder (500 ml) - Borosil | 3 Nos. | | |
| 32 | Volumetric Flask (25ml) - Borosil | 10 Nos. | | |
| 33 | Volumetric Flask (100 ml) - Borosil | 10 Nos. | | |
| 34 | Volumetric Flask (500 ml) - Borosil | 5 Nos. | | |
| 35 | Pipette (1 ml) - Borosil | 5 Nos. | | |
| 36 | Pipette (10 ml) - Borosil | 5 Nos. | | |
| 37 | Pipette (20 ml) - Borosil | 5 Nos. | | |
| 38 | Indicator Bottle (200 ml) | 5 Nos. | | |
| 39 | Distilled Water Jar Plastic (20 litre) | 2 Nos. | | |
| 40 | Filter Paper Sheet | 120 Nos. | | |
| 41 | Spatula 8" | 10 Nos. | | |
| iv. | Chemicals | | | |
| 1 | Calcium Chloride (CaCl ₂ .2H ₂ O) | 500 gm | | |
| 2 | Magnesium Sulphate (MgSO ₄ .7H ₂ O) | 500 gm | | |
| 3 | Potassium Orthophosphate (KH ₂ PO ₄) | 500 gm | | |
| 4 | Potassium Iodide (KI) | 500 gm | | |
| 5 | Boric Acid (H ₃ BO ₃) | 500 gm | | |

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| 6 | Manganese Sulphate (MnSO ₄ .4H ₂ O) | 500 gm | | |
| 7 | Zinc Sulphate (ZnSO ₄ .7H ₂ O) | 500 gm | | |
| 8 | Sodium Molybdenum (Na ₂ MoO ₄ . 2H ₂ O) | 100 gm | | |
| 9 | Copper Sulphate (CuSO ₄ .5H ₂ O) | 500 gm | | |
| 10 | Cobalt Chloride (CoCl ₂ .6H ₂ O) | 100 gm | | |
| 11 | Ferrous Sulphate (FeSO ₄ .7H ₂ O) | 500 gm | | |
| 12 | EDTA (Na ₂ EDTA.2H ₂ O) | 500 gm | | |
| 13 | INISITOL <i>Myo</i> -Inositol | 400 gm | | |
| 14 | Glycine | 500 gm | | |
| 15 | Nicotinic Acid | 50 gm | | |
| 16 | Pyridoxine Hydrochloride | 50 gm | | |
| 17 | Thiamine | 50 gm | | |
| 18 | Gelrite or Phytigel | 1000 gm | | |
| 19 | 6 Benzyl Amino Purine (6BAP) | 10 gm | | |
| 20 | Naphthalene Acetic Acid (NAA) | 50 gm | | |
| 21 | Sodium Hydroxide (NaOH) | 500 gm | | |
| 22 | Hydrochloric Acid (HCl) | 5 litre | | |
| 23 | Potassium Permanganate (KMNO ₄) | 500 gm | | |
| 24 | Formaldehyde (CH ₂ O) | 5 litre | | |
| 26 | pH Tablet (7 and 9.2) | 25 Nos. each | | |
| 27 | Rubber dropper for acid removal | 2 Nos. | | |
| 28 | Polyvinyl Pyrrolidone (K-30) | 2 Kg | | |
| 29 | N Methyl-2 Pyrrolidone | 20 litre | | |
| 30 | Ethylene Glycerol | 15 litre | | |
| 31 | Polysulfone | 4 Kg | | |
| 32 | Potassium Chloride (KCL) | 250 gm | | |
| 33 | Hydrogen Sulphate (98%) (H ₂ SO ₄) | 40 litre | | |
| 34 | Ferroun Redox Indicator | 5 litre | | |
| 35 | Ferrous Sulphate | 10 Kg | | |
| 36 | Potassium Dichromate | 1 Kg | | |
| 37 | Phenolphthalein Indicator Powder | 25 gm | | |
| 38 | Ammonium Acetate | 4 Kg | | |
| 39 | Sodium Bicarbonate | 2.5Kg | | |
| 40 | Ammonium molybdenum | 60 gm | | |
| 41 | Stena Chloride Indicator | 100 ml | | |
| 42 | Moroxide Indicator | 25 gm | | |
| 43 | Ammonium chloride | 100 gm | | |
| 44 | EBTA Indicator | 3 litre | | |
| 45 | Methane Orange Indicator Powder | 25 gm | | |
| 46 | Hydrogen Sulphate (10 N) (H ₂ SO ₄) | 5 litre | | |
| 47 | Potassium Chromate Indicator powder | 25 gm | | |
| 48 | Silver Nitrate | 180 gm | | |
| 49 | Ethyl Alcohol | 100 litre | | |
| 50 | Phenol | 50 litre | | |
| 51 | Liquid Soap | 100 litre | | |

D. Alkaline Non-cyanide Gold Plating Solution (Thallium Based)

| Sr. No. | Particulars | Qty. | Rate in Rs. | Amount in Rs. |
|----------------|--|----------------|--------------------|----------------------|
| i. | Alkaline Non-Cyanide Gold Plating Solution, (thallium based): Non Cyanaide Gold Plating Solution Purity : ~ 99.99% Gold metal : 16 g/litre Plating temperature: 60°C Plating rate (min/□m) : 2 (@ 0.8 A/dm ²) Operating pH : 8.0 (7.0 – 8.2) Contact resistance :~0.3 milliohms Deposit weight for 1 microns -: ~ 1.9 mg/cm ² Thallium : ~0.001 % | 1 litre | | |