

**Tender**  
**For Supply of**  
**Machines and equipment for different crafts at the CFCs**  
**Under IDPH Scheme**  
**Development Commission-Handicrafts, Ministry Of Textiles, New Delhi**

**TENDER NO.: 235, Tendered on 15th February 2021**

Invited by

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**Patliputra Industrial Area, Patna, Bihar, 800013**

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**PART 1**

**1. GENERAL INFORMATION**

**TENDER NO.: 235 tendered on 15th February 2021**

Sealed Tenders are invited by the Director, UMSAS, Patliputra Industrial Area, Patna, Bihar, India, 800013 from experienced and reputed suppliers/ authorized dealers/ registered firms for supply of Machines and Equipment for 10 CFCs in Tikuli, Sujani, Jute, Applique, Stone, Madhubani Painting, Terracotta, Sikki Craft & Bamboo Craft supported under the IDPH program of DC-H , MoT, New Delhi as mentioned below:

<b>10 CFCs Location at different clusters</b>			
<b>Sl No</b>	<b>Name of Craft</b>	<b>Location/Venue of CFC</b>	<b>Name of District</b>
1	Applique Craft	DIC campus, Near Mahila Thana, Ara Town, Dist- Bhojpur(Aarah)	Bhojpur ( Aarah)
2	Stone Craft	At/Po- Pattharkatti, Block-Nimchak Bathani, Gaya	Gaya
3	Sujani Craft	UMSAS Campus, Patliputra Industrial Area, Patna-13	Patna
4	Jute Craft	UMSAS Campus, Patliputra Industrial Area, Patna-13	Patna
5	Tikuli Craft	UMSAS Campus, Patliputra Industrial Area, Patna-13	Patna
6	Terracotta Craft	Near Rang Factory,Po - Lal Bagh,P.S. - Lehariya Sarai, Dharbhanga	Darbhanga
7	Sikki Craft	Vill+PO- Raiyam, P.S- Bhairosthan, Block-Jhanjharpur, Madhubani	Madhubani
8	Madhubani Painting	Vill+PO- Jitwarpur, kalabhawan, Block-Rahika,Tola-Dutta Tola, Madhubani	Madhubani
9	Sikki Craft	Vill+Po- Rampur, Block-Benipatti , Madhubani	Madhubani
10	Bamboo Craft	Vill-Mirzapur, Ward No-2, Po+PS Rosera, Samastipur	Samastipur

<b>S.No</b>	<b>Particulars</b>	<b>Specifications of Machines/Equipment</b>	<b>Unit</b>
<b>A. Machines for Tikuli craft CFCs Patna</b>			
1	3 axis CNC router machine	<ul style="list-style-type: none"> <li>Working field-1300*2500*200mm;</li> <li>Max consume power- 10.5kw,</li> <li>Operating system as required,</li> <li>Machine structure- Stressless welded steel tubes; Structure X Y Z- Rack pinion and linear rails; Spindle powder-7.0Kw or higher, Italy HSD spindle;</li> <li>Working mode- Stepper driving system/ Servo driving system; Inverter- 7.5Kw or higher; Spindle speed- 0-24000rpm;</li> <li>Interface- Internet or USB, Machine accuracy- ±0.05mm/m; Software- Type3, Vectric, Asprie; Net weight-2700Kgs; Floor space(LXDXH)- 2200*3600*2200mm;</li> <li>Shipping dimensions(LXDXH)- 2100*4000*1800MM</li> </ul>	1

S.No	Particulars	Specifications of Machines/Equipment	Unit
2	Wood/ Bamboo/Board/ Laminated Cutting Saw Station	<ul style="list-style-type: none"> <li>• Power: 9HP + 5HP</li> <li>• Two motor system for both size cleaning of sheet or board</li> <li>• Heavy duty spindle system using two spindles</li> <li>• Electrical Up-down</li> <li>• Spindle up-down using Heavy duty Round Bars</li> <li>• European Type Accurate sliding system</li> <li>• Angle tilting system using digital angle display</li> <li>• Dust collector with machine</li> <li>• Heavy Duty spring blade system for Dust Bags</li> </ul>	1
3	Wood Automatic Planing machine, 4 spindle system	<ul style="list-style-type: none"> <li>• 2 spindles are vertical and two horizontal spindle machine</li> <li>• Accurate spindle/guide setting system with numerical dials</li> <li>• Machining width: 20-125 mm</li> <li>• Machining thickness: 5-60 mm</li> <li>• Feeding speed: 5-20m/min</li> <li>• Rotational speed of cutter shaft: 3-5000RMP</li> <li>• Power: 14-18 hp</li> </ul>	1
4	Uneven shape Wood Sanding Machine, Automatic	<ul style="list-style-type: none"> <li>• Multiple directional sanding for plain or curved sections</li> <li>• Conveyor type feeding system</li> <li>• Feed control system</li> <li>• Min. length of working: 400mm</li> <li>• Range of height of working: 15-90mm</li> <li>• Power requirement: 16KW Approx.</li> <li>• Dust collector system attached with the machine</li> </ul>	1
5	Electrical Spray painting machine	<ul style="list-style-type: none"> <li>• Paint container with around 1 liter capacity</li> <li>• Easy cleaning of nozzle</li> <li>• Adjustable nozzle spray intensity</li> <li>• Compressed air supply for the machine using a compressor</li> <li>• Three phase operation</li> </ul>	2
6	Electrical Heat dryer (station)	<ul style="list-style-type: none"> <li>• Outside dimension 600x600x600mm</li> <li>• Proper heat insulation and door sealing</li> <li>• Heating elements can be replaced easily</li> <li>• Maximum temperature 60-70 degree</li> <li>• Place for keeping material</li> <li>• Temperature controller With Auto stop</li> </ul>	1
7	Framing Zig	Stapling and corner jointing system using framing zig The corner or the frames has to be pasted or stapled to each other Using electric stapling gun and jig for accurate joining of pieces	1
8	Wood frame Profile shaping machine, male and female set	Frame jointing profile set machine Power requirement: 5HP TCT Saw cutters for the required profile Accurate slide for making profile	1
9	Electrical Hand grinder	Rated power input : 670 W, No-load speed : 11000 rpm, Power output : 400 W, Disc diameter : 125 mm, 670 watts of power, Gear head can be rotated in 90 deg steps	1
	<b>Total</b>		<b>10</b>

S.No	Particulars	Specifications of Machines/Equipment	Unit
<b>B. Machines for Bamboo craft, Rosera, Samastipur</b>			
1	Hand Drill with beads	Power: 1HP, Function: drill holes in bamboo, Metal Standard size: 3/4 with hole saw of 25 mm, 35 mm, 50 mm with drill set and drill chuck, Specifications: bamboo clamping arrangement vice to be provided separately, Quality Standard: heavy machine	2
2	Pedestal Grinder	Pedestal Grinder, 1/2 to 1 HP, To be used for workshop applications and to sharpen lathe machine tools(for kharad and industrial turning)	1
3	Bamboo Cross Cutting Machine, 1 hp, circular carbide tipped blade	The machine cuts Bamboo in to the uniform length, 1 HP Motor, 14" TCT Cutter- German tips, High number of Teeth, Bamboo Clamping Arrangement with help of foot, Gauge stick arrangement to be provided with, Machine fitted with DOL Starter(standard make), Push Button, Cutter rpm: 3000+, Safety Guards, Heavy Frame, Fast production rate:	1
4	Hydraulic Bamboo Board Making Press	<ul style="list-style-type: none"> <li>• Platen size: 4' x 4' Heavy duty structure</li> <li>• Power pack and pump based pressurizing system</li> <li>• Electrical resistivity type thermal heaters up to 120 – 130 degree centigrade</li> <li>• Pressure 150- 200 bar</li> <li>• No. of hydraulic cylinder - 6</li> <li>• Two axis clamping system with multi stage pressurizing</li> <li>• Electrical heating system, Temperature controller</li> <li>• Control panel with digital display and touch panel buttons</li> <li>• Buzzer and machine operation safety display</li> <li>• Machine along with Glue mixing and Glue spreading system</li> <li>• Total Power: 22-28KW</li> <li>• Process Cycle time – 15 mins</li> </ul>	1
5	Bamboo splitter machine (Manual) with stand/Frame	Two Frames, One with 6/7/8 blade grills, Second with 9/10/12 blade grills	1
6	Lathe Machine	Used for Carving around the bamboo surface, Length 7 ft, Working length 3.5 ft, 1 hp motor, Variable speed, tool set, Bottom frame, Heavy Duty cast iron frame and legs, Heavy duty system for holding bamboo	1
7	Jigsaw Machine	Throat dept 610mm/24 inch, Cutting Capacity 32mm /1.25 inch, table size 355mm X 305mm/ 14X 12 inch, Approx. Engine speed (RPM) 525-625, Power required-HP/RPM1/1440	2
8	Orbital Sander	Product dimensions-7 X 5 X 6 inch, Size 5 Inch, Electrically operated with 120 volts,	2
9	Bench Drill	<ul style="list-style-type: none"> <li>• Drill size 1 inch maximum</li> <li>• Motor power 1 hp,</li> <li>• Vice for clamping of material,</li> <li>• Maximum drilling thickness: 150mm,</li> <li>• Table up down system</li> </ul>	1

S.No	Particulars	Specifications of Machines/Equipment	Unit
10	Planer (4-side)	<p>Function: make a rectangular cross-section of strip with Parallel edges</p> <p>Power: 8 HP+,</p> <p>1. spindle bearings SKF/NBC only ball , Specifications: 4 cutters 5 motors adjustable, width X height range: in width 12 mm 35 range in thickness 5 mm 25 mm,</p> <p>Power: 1.5 HP Feeder motor, 2 HP X 2, 1.5 HP X 2, cutter motors, with Panel Box, Quality Standard : should give clean finish and parallel rectangular surface should give consistent input size and finish machine should be easily adjustable</p>	1
11	Chain Splitting Machine	<ul style="list-style-type: none"> <li>•Electric motor : 5 HP</li> <li>•Knife Rings: 4 Nos. of knife rings with 6, 8, 10, 12 blades. Good Quality sharpened blades would be fixed on a Heavy duty ring</li> <li>•Max length of bamboo to be split: 8 ft+</li> <li>•Splitting operation: The bamboo culm is pushed forward by a support of a pushing device and moved fast against the blades of knife ring to do the splitting operation.</li> <li>•Safety guards, barricade, etc. : Safety guard should be provided for chain and drive system on both sides and protective barricade for the out feed area where splitting takes place</li> <li>•Accessories: Electrical Starter of appropriate capacity and relevant spanner sets</li> <li>•Foot Switch or RF Switch: The same to be supplied for user-friendly operation of the machine</li> </ul>	1
12	Outer & Inner Knot removing machines	<ul style="list-style-type: none"> <li>•The machine should be able to remove external and internal knots easily</li> <li>•2HP Motor,</li> <li>•260 mm Cutter OD X 16T, Good quality carbide, Dynamically Balanced</li> <li>•Machine fitted with DOL Starter(standard make)</li> <li>•Cutter rpm: 3000+</li> <li>•Safety Guards, Heavy Frame</li> <li>•Fast production rate: It takes less than 30 sec to remove one knot</li> <li>•High RPM and Balanced cutter helps in giving a clean cut to bamboo</li> </ul>	1
13	Heavy Duty Slivering making Machine	<ul style="list-style-type: none"> <li>•The machine should be able to make good quality slivers of desired thickness for the purpose of round stick making in the next step.</li> <li>•2 HP Motor</li> <li>•Hardened HCHCr blade</li> <li>•Max. strip thickness: 25 mm</li> <li>•Max. width of strip: 35 mm</li> <li>•Serrated Feeder Rollers</li> <li>•Universal couplings used should be heavy</li> <li>•Machine to be fitted with DOL Starter(standard make), Reverse-forward switch</li> <li>•Machine to be covered with covers from all sides with collection Tray</li> </ul>	1



S.No	Particulars	Specifications of Machines/Equipment	Unit
14	Thin sliver making machine	<ul style="list-style-type: none"><li>•The machine should be sturdy.</li><li>•Weight 100 Kg</li><li>•Motor 1HP</li><li>•Output of Slivers thickness 0.5 -0.7 mm</li><li>•Input of Slivers 2.5 mm (Max)</li><li>•Adjustable blade position</li></ul>	1
15	Oscillating Sanding machine, heavy duty	<ul style="list-style-type: none"><li>• Oscillation system 0.5 HP motor of belt and separate motor( 2.5 HP)</li><li>• Function: give good surface finish</li><li>• Metal Standard: Frame heavy angle or channel in mild steel functional parts in cast Iron / heavy duty Steel</li><li>• Specifications: belt size, standard</li><li>• Length 6 ft and width 5 inches (approx)</li><li>• Quality Standard: heavy machine</li><li>• Weight: 200 kg</li></ul>	1
16	CNC Router Machine	<ul style="list-style-type: none"><li>• Working area : 1300 x 3010</li><li>• Seamless steel structure</li><li>• Taiwan Hiwin Linear Guide Rail</li><li>• Cutting Speed x Y – 15000 Z- 6000</li><li>• Linear ball bearing profile rail</li><li>• 3000w water cooling</li><li>• Power 400w</li><li>• 4.5.KW Air Cooling spindle</li><li>• 1300x2500x200</li><li>• 4.5 kw inverter</li><li>• Spindle speed 24000 r/min</li></ul>	1
17	Paint gun with Compressor	<ul style="list-style-type: none"><li>• Power Requirement/ Motor Capacity- 2 HP</li><li>• Compressor tank size 60 ltr or above.</li><li>• Along with paint gun, hose pipe 10 mtrs length</li></ul>	1
18	Parallel Splitter	<ul style="list-style-type: none"><li>• The machine should be sturdy.</li><li>• The cutter housing should arrangement such that we can quickly move it up and down on slide</li><li>• 5 ft of bamboo can be split</li><li>• Machine should be easily adjustable</li><li>• Should have good bamboo clamping arrangement</li></ul>	1
19	Vertical Drilling Machine	Drilling diameter-50 mm, material MS steel, Motor: 1.5 to 3HP , power: 230 -440 voltage , Drilling capacity : upto100 mm, able to use multiple bits.	1

S.No	Particulars	Specifications of Machines/Equipment	Unit
20	Mitre Saw (to Cut the bamboo at any particular Angle)	<ul style="list-style-type: none"> <li>• Blade Diameter: 255 mm</li> <li>• Includes : Allen key, Saw blade, Wrench, Carton box</li> <li>• Warranty: 1 Year Manufacturer Warranty</li> <li>• Cutting Capacity: 0 deg: 89 mm, 45 deg incline: 67 mm</li> <li>• Part Number: 0 601 B29 0K0</li> <li>• Model: GCM 10 MX Professional</li> <li>• No Load Speed: 4800 rpm</li> <li>• Power Consumption: 1700 W</li> <li>• Weight: 14.1 kg</li> <li>• Item Code: GCM 10 MX</li> <li>• Bore Saw Blade: 25.4 mm</li> </ul>	1
21	Saw Sharpening Machine	<ul style="list-style-type: none"> <li>• The function of the machine is to sharpen the cutting tools required on the round stick making machine and crosscut machine. The machine will come with fixtures and wheel set</li> <li>• Four side planing cutters are needed to be sharpened after every 300-400 kg of sticks and this machine specifically is made to sharpen them easily</li> <li>• The machine should have additional fixtures to be able to grind crosscut and sizing cutter, slicer etc</li> <li>• The diamond wheel to move at 4500+ rpm</li> <li>• Electric motor: 1 HP motor X RPM of cutter will be 2880 rpm</li> </ul>	1
22	Vacuum Pressure Treatment plant	<ul style="list-style-type: none"> <li>• Integrated/ portable unit, 600 mm x</li> <li>• 12 ft , For longer life of bamboo after chemical treatment</li> <li>• Tested at 21 kg pressure and 650 mm of vacuum</li> <li>• With bottom chemical storage tank</li> </ul>	1
23	Humidity normalizing and absorption chamber	<ul style="list-style-type: none"> <li>• Humidity Controlled System</li> <li>• Drying can be achieved at any weather condition</li> <li>• Programmable controlled drying using temperature up to 50 degree centigrade and humidity controller up to 8 to 10 % humidity.</li> <li>• Completely enclosed unit</li> <li>• inside Chamber size: 5 x 5 x 5 ft</li> <li>• wall with proper thermal insulation</li> <li>• Power requirement: 5-8KW</li> <li>• Digital Temperature and humidity indicator and control system</li> </ul>	1
24	Laser engraving and Cutting Machine with Rotary	<ul style="list-style-type: none"> <li>• 130W laser Glass Tube</li> <li>• Laser tube life : 8000-10000 hours</li> <li>• Knife Platform</li> <li>• LM Rail and LM Block driven motion</li> <li>• Lead Shine or equivalent Stepper Drive</li> <li>• Ruida Controlled System</li> <li>• Imported Belt/Lens</li> <li>• Stable Rectified Design</li> </ul>	1





S.No	Particulars	Specifications of Machines/Equipment	Unit
25	Universal Wood working Multipurpose machine ( For surfacing , Planing, Gauging , cutting & slot cutting )	<ul style="list-style-type: none"> <li>• Power - 3 HP</li> <li>• With cutting table</li> <li>• With Planing Table</li> <li>• With design Table</li> <li>• Width 13'' Surface table</li> <li>• With all standard cutting tools</li> </ul>	1
26	Wood/ Bamboo/Board/ Laminated Cutting Saw Station	<ul style="list-style-type: none"> <li>• Power: 9HP + 5HP</li> <li>• Two motor system for both size cleaning of sheet or board</li> <li>• Heavy duty spindle system using two spindles</li> <li>• Electrical Up-down</li> <li>• Spindle up-down using Heavy duty Round Bars</li> <li>• European Type Accurate sliding system</li> <li>• Angle tilting system using digital angle display</li> <li>• Dust collector with machine, 5 HP Motor</li> <li>• Heavy Duty spring blade system for Dust Bags</li> </ul>	1
	<b>Total</b>		<b>29</b>

S.No	Particulars	Specifications of Machines/Equipment	Unit
<b>C. Machines for Applique craft</b>			
1	Dying Unit( Full Set )	Electrical heating system – 2 nos, containers-5, iron (press)-1 with other accessories	1
2	Color Assessment Cabinet Lamp Cabinet Color Controller Light Box	Controller Light Box for Textile, Printing Color Matching Cabinet (110 Volts, 4 Light Sources: D65, TL84, UV, F/A)	1
3	Blocks/ screen (50/50) with table (Full Set)	Blocks and screen for printing (50 x 50 cm x standard height)	1
4	SNLS industrial sewing machine	Operation Mode-Automatic, Semi-Automatic, Manual, Max Stitch Length-3mm, 4mm, 5mm, Max Sewing Speed-2000-3000 (stitch/min), 4000-5000 (stitch/min), Usage/Application-Heavy Material	4
5	Industrial Over lock 5 thread	Sewing Speed: 7000 stitches/minute Stitch Length: 0.8 - 4mm, Unit dimensions (LxWxH): 48 inches by 20 inches by 48 inches Needle: DC X 27, 110V with industrial clutch motor,	1
6	Cutting station with complete set	Cutting table with cutting arrangement For cutting of cloth material	1



S.No	Particulars	Specifications of Machines/Equipment	Unit
7	Industrial Steam Press	Voltage- 220-230v, Power -1000w Water Volume -3.5L, Continuous Working Hours- 1.5hrs, Steam Consumption -35g/min Steam Temperature -98 degree C, Size -37.5L*32W37H(cm) Steam pressure- 4KPa	1
8	Vertical Steam Press	Capacity (European rate 1:10) kg - 18 , Drum volume lt -180 , Loading diameter-380 , Washing speed rpm -35 , High spin speed rpm – 947, G Factor -300, Water inlet- 2x3/4, Hard water inlet- optional, Water consume per cycle* lt -297 , Drain valve mm -50, Drain pump- optional	1
9	Washing Unit (Full Set)	Washing system for cleaning of cloth material with drying function, Medium size machine	1
10	Kaj Machine	Double Hammer force for better hole , Stitching of hole is of good strength, Direct Drive Motor	1
11	Button Machine	Operation-semi-automatic, stitch length-4mm, sewing speed -2000-3000, Usage-thick thread, Needle-30.7mm	1
12	Women's wear Full body	The dress forms have "bump out" side seams to enable you feel them when draping with fabric, twill stay ribbon at waistline and center front and center back seam lines.	1
	<b>Total</b>		<b>15</b>

S.No	Particulars	Specifications of Machines/Equipment	Unit
<b>D. Machines for Stone Craft, Patharkatti, Gaya</b>			
1	Multi Blade Stone Cutting Machine	Weight 1500 kg / Voltage- 380V/ Frequency - 50 HZ/ Power- 6.6 KW. Min & Max size to be cut-can cut up to 500-700 kg stone at a time	2
2	Double Head Stone CNC cutting machine	Max cutting thickness- 30 mm, Dimension L*W*H- 1300x2500x300mm, Working Area1500 x 3000 x 300 mm, Spindle Power 5.5 KW , Size 1300mm x 3000mm x 300mm *Spindle Speed 0-24000 rpm/min, Table Structure Aluminum * Working Voltage - AC 380 V/50 Hz	1
3	Caliper set- Internal, External and Divider	Size(Optional): 8inch(200mm), 10 inch(250mm), Material: High Carbon Steel, Weight: 300g, Package List :1*Outside Caliper, 1*Inside Caliper 1*Divider.	8
4	Bench/Belt Sander	150Mm disc Item Weight 12.0 kilograms/ Power 375 W, 150 mm - adjustable sanding belt.	8
5	Hacksaw with 12 inch Blade	Length- 430mm/ Height 130mm/ Depth of bow- 106mm/ adjustable blade size-10- 12"	8
6	Pneumatic Pencil Grinder	Free speed -54000 RPM/ Capacity 1/8"(3MM) / Air inlet (PT) 1/4" / Air Hose- (ID) 3/8" / Consumption- 2 CFM(57 L /Min)	8
7	Electrical Hand Grinder with blade	Product Dimensions: 35 x 13 x 8 cm ; 1.2 Kg Item model number: DSJ25 Die Grinder 25mm 240W, Electric operated	8



S.No	Particulars	Specifications of Machines/Equipment	Unit
	<b>Total</b>		<b>43</b>

S.No	Particulars	Specifications of Machines/Equipment	Unit
<b>E. Machines for Madhubani painting at Madhubani District.</b>			
1	Cutting Table	Height – 4 ft , Width- 3 ft, Length-6 ft, Iron frame with plywood top and under table self	2
2	Straight Knife Fabric Cutting Machine	Cutting Capacity-45mm, Automatic Grade- Semi-Automatic Blade Size- 110mm, Weight - 2.9 kg, Power- 220V-240V 50Hz	2
3	Round Knife Fabric Cutting Machine	Dimensions 1040 x 960 x 1050 mm, Motor Power 350 W Voltage 220/380 V	2
4	Vacuum Iron Table	Dimensions 1040 x 960 x 1050 mm, Motor Power 350 W, Voltage 220/380 V	2
5	Framing Nail Gun	type: air stapler; capacity: 50pcs; model number: sf13021; power source: pneumatic; net weight: 6.76kg; length: 256mm; width: 60mm; height: 207mm; capacity: 50pcs; air pressure: 110-130psi; application: pallets, crates wood case, packaging;	5
6	Glue Gun	Hot melt adhesive, also known as hot glue, is a form of thermoplastic adhesive stick. Silicon based glue sticks.	5
7	Hot Air Gun	2-stage switch for one-handed operation, Stationary working position also possible, Two air flow and temperature stages , Thermal protection	2
8	Paper Cutting	Size: 45 x 37.5 x 3 cm / 18 x 15 x 1.2 inch (L x W x H) -Alignment grid and ruler for accurate measuring.18 inches cutting length	2
9	Tracing Table	3ftX 4ft top, standard height -30 inch, iron frame with ply-board top fitted with glass for lighting from below.	2
	<b>Total</b>		<b>24</b>

S.No	Particulars	Specifications of Machines/Equipment	Unit
<b>F. Machines for Sikki Craft, Raiyam, Madhubani</b>			
1	Cylinder Bed stitching machine	Cylinder-bed, 1-needle, Top and Bottom-feed, Lockstitch Machine	2
2	Frame Loom	Width up to 30", Wooden Frame with warp beam complete set	5
3	Creel, Bobbin, charkha , Warping drum	Creel for 100 bobbin, 500 plastic bobbin, Standard Charkha, Wooden warping drum,	2



S.No	Particulars	Specifications of Machines/Equipment	Unit
4	Hot Air Gun	2-stage switch for one-handed operation, Stationary working position also possible, Two air flow and temperature stages , Thermal protection	2
5	Blow lamp for bending cane	Brass blow lamp with handle, container capacity :1000-1200 ml, Kerosene operated	5
6	Glue gun	Hot melt adhesive, also known as hot glue, is a form of thermoplastic adhesive stick. Silicon based glue sticks.	2
7	LPG Cylinder with burner	Commercial LPG Cylinder-2, Burner-2 connecting pipes etc	2
8	Cutting Table	Height – 4 ft , Width- 3 ft, Length-6 ft, Iron frame with plywood top and under table self	2
9	Heat press machine	Temperature 100-200 degree Celsius, Printing Speed 40-50 sec	4
	<b>Total</b>		<b>26</b>

S.No	Particulars	Specifications of Machines/Equipment	Unit
<b>G. Machines for Sikki Craft CFC, Rampur, Madhubani District</b>			
1	Heat press machine	Temperature 100-200 degree celsius, Printing Speed 40-50 sec Minimum Order Quantity 1 Unit	4
2	Hot Air Gun	2-stage switch for one-handed operation, Stationary working position also possible, Two air flow and temperature stages , Thermal protection	2
3	Cutting Table	Height – 4 ft , Width- 3 ft, Length-6 ft, Iron frame with plywood top and under table self	2
4	Cylinder Bed stitching machine	Cylinder-bed, 1-needle, Top and Bottom-feed, Lockstitch Machine	2
5	Frame Loom	Width up to 30”, Wooden Frame with warp beam complete set	5
6	Creel, Bobbin, charkha , Warping drum	Creel for 100 bobbin, 500 plastic bobbin, Standard Charkha, Wooden warping drum	2
7	LPG Cylinder with burner	Commercial LPG Cylinder-2, Burner-2 connecting pipes etc	2
8	Mitre Saw	blade hard metal (diameter 210 x 30 mm diameter)	2
9	Glue Gun	Hot melt adhesive, also known as hot glue, is a form of thermoplastic adhesive stick. Silicon based glue sticks.	2
10	Frame Nail Gun	type: air stapler; capacity: 50pcs; power source: pneumatic; net weight: 6.76kg; length: 256mm; width: 60mm; height: 207mm; capacity: 50pcs; air pressure: 110-130psi; application: pallets, crates wood case, packaging;	5
11	Paper cutting machine	Size: 45 x 37.5 x 3 cm / 18 x 15 x 1.2 inch (L x W x H), Alignment grid and ruler for accurate measuring.18 inches cutting length	2
	<b>Total</b>		<b>30</b>

S.No	Particulars	Specifications of Machines/Equipment	Unit
<b>H. Machines for Jute Craft CFC at Patna</b>			
1	Jute fiber cloth hydraulic cutting press machine	Cutting Speed: 0-40000mm/min, Cutting Force: 25-100tons , Cutting Area: 610*1600mm	1
2	Cutting Table	Height – 4 ft , Width- 3 ft, Length-6 ft, Iron frame with plywood top and under table self	2
3	Electrical ironing station	Ironing board material - inner: mdf board and foam, outer: oxford 600D Heat resistant, laundry bag material: oxford 600D, Dimensions: 29.5 inches (length) x 18 inches (width) x 29.5 inches (height)	1
4	Electrical fusing station	Heating Time-6-28 Sec, Fusing Width-600 mm, Heater Rated Output-8.4 kW, Max Temp- 200 Degree C, Maximum Belt Speed 10.2 m/min,	2
5	Yarn twisting machine	Machine Type-Automatic, Phase-Single, Voltage-220 V, Body Material-Mild Steel, Power Source-Electric	2
6	Cylinder Bed stitching machine	Cylinder-bed, 1-needle, Top and Bottom-feed, Lockstitch Machine	2
7	Frame Loom	Width up to 30", Wooden Frame with warp beam complete set	5
8	Creel, Bobbin, charkha , Warping drum	Creel for 100 bobbin, 500 plastic bobbin, Standard Charkha, Wooden warping drum	2
9	LPG Cylinder with burner	Commercial LPG Cylinder-2, Burner-2 connecting pipes etc	2
10	Glue Gun	Hot melt adhesive, also known as hot glue, is a form of thermoplastic adhesive stick. Silicon based glue sticks.	2
11	Frame Nail Gun	type: air stapler; capacity: 50pcs; power source: pneumatic; net weight: 6.76kg; length: 256mm; width: 60mm; height: 207mm; capacity: 50pcs; air pressure: 110-130psi; application: pallets, crates wood case, packaging;	5
12	Hot Air Gun	2-stage switch for one-handed operation, Stationary working position also possible, Two air flow and temperature stages , Thermal protection	2
	<b>Total</b>		<b>28</b>

S.No	Particulars	Specifications of Machines/Equipment	Unit
<b>I. Machines for Terracotta craft Darbhanga dist</b>			
1	Gas based furnace	Heating of clay/ Maximum term : Internal space Size- 3ftx4 ftX 4ft (h), LPG operated, Max Temperature (Degree Celsius)- 500-1000, Material Loading Capacity- 500-1000 kg,	1
2	Pug mill	Mixer of clay /Capacity 100kg, Material- Stainless Steel, Automation Grade- Automatic	2
3	Angle Grinder	For Grinding and shaping with Load Speed (rpm)- 900-11000 rpm, Power Source- Electric, Input Power-710 W	2
4	Hand Drill	Applications- To make holes of different size in solid substance i.e.	2



S.No	Particulars	Specifications of Machines/Equipment	Unit
	machine	wood, steel, concrete etc, For screwing and fastening. Dimensions-27x 6.5x21.5 cm. Chuck Size-10 mm. Voltage-220 V, Frequency-50HZ, Handle Type- Pistol Grip, Power Consumption-300 W.	
5	Compressor for spray (painting)	Discharge Pressure (in bar)- 8 bar, Compressor Technology- Reciprocating, Motor: Single phase-2HP, motor speed RPM: 2800-3000, Operating voltage: 210-240 volts, Free air delivery: 120 lpm @ 90 psi, Tank volume: 10 liters (min), Auto on/off, Pump: Oil lubricated, Weight : 20kgs to 22 kgs, Speed-2850 rpm, Pressure- MAX 116 PSI, Noise Level -80dB, Capacity- Air Receive: 240 L, Voltage-220 V	1
	<b>Total</b>		<b>8</b>

S.No	Particulars	Specifications of Machines/Equipment	Unit
<b>J. Machines for Sujani craft</b>			
1	Dying Unit( Full Set )	Electrical heating system – 2 nos, containers-5, iron (press)-1 with other accessories	1
2	Color Assessment Cabinet Lamp Cabinet Color Controller Light Box	Controller Light Box for Textile, Printing Color Matching Cabinet (110 Volts, 4 Light Sources: D65, TL84, UV, F/A)	1
3	Blocks/ screen (50/50) with table (Full Set)	Blocks and screen for printing (50 x 50 cm x standard height)	1
4	SNLS industrial sewing machine	Operation Mode-Automatic, Semi-Automatic, Manual, Max Stitch Length-3mm, 4mm, 5mm, Max Sewing Speed-2000-3000 (stitch/min), 4000-5000 (stitch/min), Usage/Application-Heavy Material	4
5	Industrial Over lock 5 thread	Sewing Speed: 7000 stitches/minute Stitch Length: 0.8 - 4mm, Unit dimensions (LxWxH): 48 inches by 20 inches by 48 inches Needle: DC X 27, 110V with industrial clutch motor,	1
6	Cutting station with complete set	Cutting table with cutting arrangement For cutting of cloth material	1
7	Industrial Steam Press	Voltage- 220-230v, Power -1000w Water Volume -3.5L, Continuous Working Hours- 1.5hrs, Steam Consumption -35g/min Steam Temperature -98 degree C, Size -37.5L*32W37H(cm) Steam pressure- 4KPa	1
8	Vertical Steam Press	Capacity (European rate 1:10) kg - 18 , Drum volume lt -180 , Loading diameter-380 , Washing speed rpm -35 , High spin speed rpm – 947, G Factor -300, Water inlet- 2x3/4, Hard water inlet- optional, Water consume per cycle* lt -297 , Drain valve mm -50, Drain pump- optional	1



S.No	Particulars	Specifications of Machines/Equipment	Unit
9	Washing Unit (Full Set)	Washing system for cleaning of cloth material with drying function, Medium size machine	1
10	Kaj Machine	Double Hammer force for better hole , Stitching of hole is of good strength, Direct Drive Motor	1
11	Button Machine	Operation-semi-automatic, stitch length-4mm, sewing speed -2000-3000, Usage-thick thread, Needle-30.7mm	1
12	Women's wear Full body	The dress forms have "bump out" side seams to enable you feel them when draping with fabric, twill stay ribbon at waistline and center front and center back seam lines.	1
<b>Total</b>			<b>15</b>

**Note: Quoted machines with ISI MARK will be preferred.**

1. Interested agencies may provide their credentials on the following points along with the applications and other documents for supplying of the equipment.

**i. Technical Qualification Criteria for Participation in Tender:**

Sl. No.	Parameter	Qualifying criteria
a)	The agency must be incorporated & registered in India under the Indian Companies Act/Societies Registration Act/Trust Act/Partnership Firm/ Proprietorship Firm in India and should be in operations in India for minimum of 3 years.	Copy of registration of firm from register of firms from the concern states/ Incorporation certificate from the Register of Company/Certificate of authorization from the reputed manufacturer.
b)	Annual turnover of the agency in last 2 Financial years (FY2018-19, FY2019-20)	Rs. 100 lakhs or above(Rupees One Crore)
c)	Experience of dealing similar/related machines to Govt. Dept./ Corporation/ company/ institution during the last 2 years	Work orders along with the successful completion of supply certificate valuing minimum of Rs 50 lakhs (Rupees Fifty Lakhs only)

**ii. Submission of Tender Bid**

Interested agencies must submit their offer in sealed envelopes superscribing with the <Tender No.> and <Tender Name> by post or by hand at UMSAS, Patliputra Industrial Area, Patna, Bihar, India, 800013 on or before **3.00 pm on 10<sup>th</sup> March 2021**. The UMSAS authority reserves the right to reject any or all the tenders without assigning any reason thereof.

There shall be three separate sealed envelopes for Forwarding, Technical Bid and Financial Bid respectively; all of these envelopes should be enclosed in a single envelop which shall be sealed, super scribed with tender No. and Name and submitted through post or by hand as mentioned above.



Director, UMSAS  
Patliputra Industrial Area, Patna

**2. PARTICULARS OF TENDER**

Tender No. and date	<b>235</b> tendered on <b>15th</b> February 2021
Particulars of the work	For Supply of Machines and equipment for different crafts at the CFCs
Period of work	3 (three) months from the date of issuing the supply order
Tender participation fee	Rs. 5000/- (Rupees Five Thousand Only) in the form of Bank Demand Draft issued by a nationalized bank in favor of "Upendra Maharathi Shilp Anusandhan Sansthan, Patna"
Period of validity of tender for acceptance	<b>3(three) months</b> from opening of financial bid of Tender
Last Date and Time of submission of tender	<b>10<sup>th</sup> March 2021</b> (till 3.00 pm)
Date and Time of opening of Technical Bid & Financial bid	<b>10<sup>th</sup> March 2021</b> at 4:00 pm
Place of opening of tender	UMSAS office, Patliputra Industrial Area, Patna





**Part 2: INSTRUCTION TO TENDERER**

**1. GENERAL INSTRUCTION**

**I. ELIGIBILITY CRITERIA**

Interested agencies may provide their credentials on the following points while applying for the tender for supplying of the machines along with the tender document.

<i>Sl. No.</i>	<i>Criteria/ Parameter</i>	<i>Supporting Documents to be provided</i>
a)	The agency must be incorporated & registered in India under the Indian Companies Act/Societies Registration Act/Trust Act/Partnership Firm/Proprietorship Firm in India and should be in operations in India for minimum of 3 years.	Copy of registration of firm from register of firms from the concern states/ Incorporation certificate from the Register of Company/ Certificate of authorization from the reputed manufacturer.
b)	Average annual turnover of the agency in last two financial years (FY:18-19 & FY:19-20) shall be more than Rs. 100,00,000/- (Rupees One Crore Only)	Copy of 1. Audited balance sheet for the last 2 years(FY:18-19 & FY:19-20) 2. GST return, Oct-Dec 2020. 3. IT Returns, last 2 years, (FY:18-19 & FY:19-20) 4. Any other document
c)	Experience of supplying related/similar machines to any Govt. agencies/corporations/institutions/companies. Shall have experience of supplying total value of Rs 50,00,000 (Rupees Fifty Lakhs Only) or more during the last 2 years.	Copy of supply orders executed along with the certificate of successful supply in last 2 FY years
d)	Shall not be black listed by any central/State Govt. agency/corporation etc.	Self-declaration

**II. GENERAL INSTRUCTION TO THE BIDDERS**

- a) The Tenderer is expected to examine all instructions, forms, terms and specifications as mentioned in the Tender document. Failure to furnish all information required by the Tender documents or submission of a bid not substantially responsive to the Bid Document in every respect will be at the Tenderer's risk and is likely to result in out-right rejection of the Tender.
- b) The tenderer may also provide information with the Tender in the form of separate sheets, drawings, catalogues etc.
- c) Any Tender not containing sufficient descriptive material to describe the equipment proposed may be treated as incomplete and hence may be rejected. Such descriptive materials/ drawings/catalogue submitted by the Tenderer shall be retained by the UMSAS.



- d) **Machines with ISI MARK will be preferred and the tenderer must quote the machine with ISI mark where ever possible. Machine manufacturers with ISO certification shall submit the same and will be preferred.**
- e) Any deviation from the specifications of the items mentioned in this tender shall not be permitted during the execution of contract without specific written permission of the UMSAS
- f) Prices shall be quoted in Indian Rupees (INR) only.
- g) **The bidders can quote minimum of one item listed in the tender document. The unit price shall be inclusive all taxes, packing, insurance, transport till the place of supply as listed in the financial quotation table. The price quoted for a particular district will be compared machine wise. If for a particular district, only one quotation is received, than it shall be retendered/quotation for the nearest location may be considered.**
- h) The bidders have to deposit **earnest money of Rs 50,000 (Rupees Fifty Thousand Only) in the form of DD**, issued by any Scheduled commercial Bank, drawn in the favor of Upendra Maharathi Shilp Anusandhan Sansthan, Patna. The EMD amount is same irrespective of number of items quoted by a vendor.
- i) The **processing fee of Rs 5000/** shall be paid in the form of DD, issued by any scheduled commercial bank, drawn in favor of **Upendra Maharathi Shilp Anusandhan Sansthan, Patna**. The processing fee amount is same irrespective of number of items quoted by a vendor.
- j) The earnest money will be returned within 30 days of the completion of the bid process. The EMD may be forfeited in case of non-execution of supply order.
- k) Successful bidder's shall have to deposit **2% of the supply order value as security deposit/performance Guarantee** in the form of Demand Draft/Bank Guarantee issued by any scheduled commercial bank of India and drawn in the favor of "**Upendra Maharathi Shilp Anusandhan Sansthan, Patna**" and get back the EMD submitted earlier.
- l) After successful execution of the supply order of the equipment, the security money shall be released within three months of the supply.
- m) Interested vendors can send their queries (if any) through e-mail to the given mail id- [uminstitute@gmail.com](mailto:uminstitute@gmail.com).
- n) Supplier shall pack all the Machines/equipment in such a manner as to protect them from deterioration and damage during transportation. The damaged machines/equipments shall not be received.
- o) UMSAS may send one team to inspect the machines before dispatch of the machines.
- p) The supplier shall inform the UMSAS of the date of each shipment from his works, and the expected date of supply at least 7 days in advance.



### **III. BID EVALUATION**

- a. The financial bid documents will be opened for only those bidders who meet the technical qualification as mentioned in the bid document.
- b. The bidders with incomplete information in the financial bid will be rejected. Unit price mentioned for a particular district by different tenderer shall be compared to find the minimum price.
- c. **The financial bids will be opened for the bidders who qualify in the technical round and the selection will be based on the lowest quoted bidder.**

### **IV. WARRANTY**

- a) The tenderer shall warrant as per standards for quality that anything to be furnished shall be new, free from all defects and faults in material, workmanship and manufacture, shall be of the highest grade and consistent with established and generally accepted standards for material of the type ordered, shall be in full conformity with the specifications or samples.
- b) The warranty, user manual etc. related to the equipment shall be part of the delivery.
- c) The supplier shall indemnify the UMSAS against all third party claims of Infringement of patent, royalties' trademark or industrial design rights arising from use to the goods or any part thereof.

### **V. AMENDMENT OF TENDER DOCUMENTS**

- a) At any time prior to the submission of the tender, UMSAS may, for any reason, whether at its own initiative or in response to a clarification requested by the interested parties, modify the Tender documents by amendments.
- b) The amendment will be notified through website <http://www.umsas.org.in>. UMSAS will bear no responsibility or liability arising out of non-receipt of the same in time or otherwise.

## **2. PREPARATION OF TENDER**

### **I. LANGUAGE OF BID AND MEASURE**

The Tender prepared by the Tenderer and all correspondence and documents relating to the bid exchanged by the Tenderer and UMSAS shall be written in the **English** and any printed literature furnished by the Tenderer shall be written in English/Hindi language.

### **II. DOCUMENT COMPRISING THE BID**

The Tender prepared by the Tenderer shall comprise the following components in same sequence.

**Form 1: Covering Letter**

**Form 2: Technical Bid**



**Form 3: Declaration Form**

**Form 4: Financial Bid-Covering Letter**

**Form 4.1 Financial Bid: Format**

Supporting Documents to be attached with the technical bid

1. Prescribed Tender Participation Fee of Rs 5000/- in the form of Bank Demand Draft
2. Prescribed EMD amount Rs 50,000/- in the form of Bank Demand Draft.
3. Experience of Supply of tools /machines-copy of the orders
4. Audited Balance sheets for the last 2 years
5. GST filing copy for the last quarter as mentioned at Page no 16.
6. Incorporation Certificate/registration of firm certificate
7. ISO certificate of the agency
8. Income Tax return filing copy for last 2 Financial Years as mentioned on Page no 16
9. Other supporting documents if any

**III. DUTIES AND TAXES**

A tenderer shall be entirely responsible for all taxes, duties, license fees, etc. All taxes payable as per Government income tax & service tax norms will be payable by the tenderer. If any new tax/duty is levied during the contract period the same will be borne by the firm exclusively. TDS will be deducted from the payment of the tenderer as per the prevalent laws and rules of Government of India and Government of Bihar in this regard. The amount of taxes subject to TDS shall be shown clearly by the firm in the bills.

**IV. PERIOD OF VALIDITY OF TENDER**

- a) Validity of the financial bid should be for **three (3) months** from the date of issuing the supply order.
- b) In exceptional circumstances; the UMSAS will solicit the Tenderer's consent to an extension of the period of validity. The request and the response there of shall be made in writing. The contract performance security provided shall also be suitably extended.

**V. FORMAT AND SIGNING OF TENDER**

- a) The bid must contain the name, designation and full address of the authorized signatory of the Tenderer and must be signed and sealed by him/her with his/her usual signature. The name and designations of all persons signing should be typed or printed below the signature.
- b) The original copy of the Tender shall be typed or written in indelible ink and shall be signed by the Authorized Signatory of the Tenderer or a person duly authorized to bid. All the pages of the bid shall be initialed by the person or persons signing the tender.
- c) The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Tenderer in which case such corrections shall be initialed by the person or persons signing the tender.



#### **VI. SEALING AND MARKING OF TENDER**

- a) **First Envelope**(sealed) should contain the covering letter and the participation fee/bid document fee, along with technical bid with all the supporting documents. It should be super scribed with **“Technical Bid”**<Tender No-**235**.> dated <dated-15<sup>th</sup> February 2021>.
- b) **Second Envelope** (sealed) should contain the Financial Bid duly signed on the original as per prescribed format in this tender document. It should be super scribed with **“Financial Bid”**<Tender No-**235**.> dated <dated-15<sup>th</sup> February 2021>.Anything in regard of financial condition, payment terms, rebate etc. mentioned in financial bid may make the tender invalid. Therefore, it is in the interest of the tenderer not to write anything extra in Financial Bid.
- c) Both the envelopes (Technical& Financial envelopes) to be enclosed in a sealed envelope super scribing Tender No., Date and Tender Name
- d) The Bid Documents shall be sent by post or by hand to the DIRECTOR, UMSAS, Patliputra Industrial Area, Patna, Bihar, 800013, India so as to reach him **on or before 3.00 pm on 10<sup>th</sup> March 2021**.

#### **VII. TENDER OPENING**

The procedure of opening of the tender shall be as under:

- i. Forwarding documents containing covering letter and Tender Participation fee, EMD shall be opened; absence of the Tender Participation Fee and EMD in prescribed mode will result in cancellation of the Tender submitted by the respective Participant/ Applicant and the Technical Bid may not be opened.
- ii. ‘Technical Bid’ and Financial bid shall be opened at the time and date mentioned in the tender notice by “UMSAS’s representatives in the presence of tenders, who choose to be present.
- iii. Financial bid shall be opened for the tenderers who have qualified in the technical bid.
- iv. In case it is not possible to open Financial Bid on the day fixed due to unavoidable circumstances, then the opening of the Financial Bid shall be postponed, and intimation of this effect shall be sent to Tenderers by Email; it will be in the interest of the Tenderer to send their authorized representatives well conversant with the tender and competent enough to take decision on technical and financial matter at the time of opening of second envelope.

#### **VIII. AWARD OF CONTRACT**

- i. UMSAS reserves the right of negotiation with eligible tenderers before the finalization of the agreement



- ii. UMSAS reserves the right at the time of award of contract to increase or decrease the quantity of goods and locations of supply without any change in price or other terms and conditions.
- iii. UMSAS reserves the right to reject any or all the tenders or accept any tender in total or in parts or work may be divided among various tenderers without assigning any reason thereof.
- iv. Prior to the expiration of the period of tender validity the UMSAS will notify the Tenderers by registered letter or e-mail or Fax, to be confirmed in writing by letter, that the bid has been accepted.
- v. The supply shall have to be completed within 3 **(three) months** from the date of award of supply order.
- vi. No claims of interest will be entertained for delayed payments
- vii. Principal Secretary, Dept. of Industry, Government of Bihar shall be the arbitrator if required.
- viii. That on the request of the supplier and also in the interest of the project, UMSAS is authorized to extend the validity of the agreement, subject to that the request of the tenderer is received before the expiry of the agreement period, or any extended period granted to the contractor.
- ix. It shall be sole responsibility of the supplier to verify the quality & quantity of the supplied items before dispatch and during the receipt.

**IX. PAYMENT TERMS AND CONDITIONS**

- i. UMSAS will pay 80% of the value of the supplied machines on receiving the machines and balance 20% will be paid after inspection, trial run of the machines at the site.
- ii. The expected period for inspection, trial run of the machines is around 30 days from the date of receipt of the machines at the site. The supplier has to complete the installation and trial run within the time. However if the supplier is not able to do the same due to factors not under their/his control, the payment shall be cleared after 45 days of supply of machines.
- iii. The performance guarantee will be released within 3 months of completion of the procurement process.

**X. FORCE MAJEURE**

- i. Notwithstanding the provisions of clauses contained in this deed; the supplier shall not be liable for forfeiture of its performance security, liquidated damages, termination for default, if he is unable to fulfill his obligation under this deed due to event of force majeure circumstances.



- ii. For purpose of this clause, "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of Govt. either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and fright embargoes.
- iii. If a force majeure situation arises, the supplier shall promptly notify the UMSAS in writing within a week from the date situation so arises.

**PART-3FORMATS & TEMPLATES**

**Form 1- Covering Letter**

<<To be printed on letterhead of the Tenderer>>

To  
The Director  
Upendra Maharathi Shilp Anusandhan Sansthan  
Patliputra Industrial Area, Patna  
Bihar, 800013

Subject: Offer in response of Tender Notification No. 235 notified on 15th February 2021

Sir,

We, hereby, submit our offer in full compliance as per the terms & conditions of the tender. We know that any incorrect/misleading information will lead to cancellation of our candidature.

***(Signature of Tenderer with Seal)***





**Form 2- Technical Bid**

(Tender No-235 notified on 15<sup>th</sup> February 2021)

To  
Upendra Maharathi Shilp Anusandhan Sansthan  
Patliputra Industrial Area, Patna  
Bihar, 800013

**Dear Sir**

**Please find below the technical bid in the prescribed format:**

i. Name of the Firm	
ii. Postal Address with PIN	
iii. Telephone, Fax No.	
iv. Email, Website	
v. Name & Designation of the authorized representative	

**Annual Turnover of Last 2 years**

*Financial Year*

2018-19

2019-20

*Annual Turnover, Rs.*

Please enclose copies of Audited Balance Sheet/ Financial Statement for last 2 financial years supporting the above claims.

**Experience of relevant supply**

Please fill in information about similar projects undertaken, if any in last 2 years

<i>Sl. No.</i>	<i>Date of machine supply/purchase order</i>	<i>Name of Buyer</i>	<i>Location of the supply</i>	<i>Total Contract amount executed Rs.</i>	<i>Current Status (completed/in process)</i>
1					
2					
3					

Please enclose copies of Supply Orders for supporting each of the items mentioned in above table

I/We hereby confirm that above information is true to my/our knowledge and I/we understand that any discrepancies will lead to disqualification of my/our candidature.

Name of the company:

Signature of authorised signatory of bidder



**Form 3-Declaration Form**

(Tender No-235 notified on 15<sup>th</sup> February 2021)

To  
Upendra Maharathi Shilp Anusandhan Sansthan  
Patliputra Industrial Area, Patna  
Bihar, 800013

Dear Sir

I/We \_\_\_\_\_ (hereinafter referred to as the Tenderer) being desirous of tendering for the work under the above mentioned tender and having fully understood the nature of the work and having carefully noted all the terms and conditions, specifications etc. as mentioned in the tender document, do hereby declare that-

- i. The Tenderer is fully aware of all the requirements of the tender document and agrees with all provisions of the tender document.
- ii. The Tenderer is capable of executing and completing the work as required in the tender.
- iii. The Tenderer accepts all risks and responsibilities directly or indirectly connected with the performance of the tender.
- iv. The Tenderer has no collusion with other tenderer, any employee of UMSAS or with any other person or firm in the preparation of the bid.
- v. The Tenderer has not been influenced by any statement or promises of UMSAS or any of its employees, but only by the tender document.
- vi. The Tenderer is financially solvent and sound to execute the work.
- vii. The Tenderer is sufficiently experienced and competent to perform the contract to the satisfaction of UMSAS
- viii. The information and the statements submitted with the tender are true.
- ix. The Tenderer is familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State (Bihar) and Central Government that may affect the work, its performance or personnel employed therein.



- x. The Tenderer has not been debarred from similar type of work by UMSAS, Dept. of Industries and/ or Government undertaking/ Department.
- xi. The Tenderer gives the assurance to execute the tendered work as per specifications terms and conditions.

***(Signature of Tenderer with Seal)***

Name of the company:

Complete address:

Name of Contact person:

Contact Detail:

**Form 4-Financial Bid**

<<To be provided in Tenderer's Letterhead>>

To  
Upendra Maharathi Shilp Anusandhan Sansthan  
Patliputra Industrial Area, Patna  
Bihar, 800013

Sir,  
Please find the detail of the financial bid as per the format provided inclusive of all taxes, transport, packing and delivering.

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
<b>A. Machines for Tikuli craft CFCs Patna</b>				
1	3 axis CNC router machine	<ul style="list-style-type: none"> <li>• Working field-1300*2500*200mm;</li> <li>• Max consume power- 10.5kw,</li> <li>• Operating system as required,</li> <li>• Machine structure- Stressless welded steel tubes; Structure X Y Z- Rack pinion and linear rails; Spindle powder-7.0Kw or higher, Italy HSD spindle;</li> <li>• Working mode- Stepper driving system/ Servo driving system; Inverter- 7.5Kw or higher; Spindle speed- 0-24000rpm;</li> <li>• Interface- Internet or USB, Machine accuracy- ±0.05mm/m; Software- Type3, Vectric, Aspric; Net weight-2700Kgs; Floor space(LXDXH)- 2200*3600*2200mm;</li> <li>• Shipping dimensions(LXDXH)- 2100*4000*1800MM</li> </ul>	1	
2	Wood/ Bamboo/Board/ Laminated Cutting Saw Station	<ul style="list-style-type: none"> <li>• Power: 9HP + 5HP</li> <li>• Two motor system for both size cleaning of sheet or board</li> <li>• Heavy duty spindle system using two spindles</li> <li>• Electrical Up-down</li> <li>• Spindle up-down using Heavy duty Round Bars</li> <li>• European Type Accurate sliding system</li> <li>• Angle tilting system using digital angle display</li> <li>• Dust collector with machine</li> <li>• Heavy Duty spring blade system for Dust Bags</li> </ul>	1	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
3	Wood Automatic Planning machine, 4 spindle system	<ul style="list-style-type: none"> <li>☐ 2 spindles are vertical and two horizontal spindle machine</li> <li>☐ Accurate spindle/guide setting system with numerical dials</li> <li>☐ Machining width: 20-125 mm</li> <li>☐ Machining thickness: 5-60 mm</li> <li>☐ Feeding speed: 5-20m/min</li> <li>☐ Rotational speed of cutter shaft: 3-5000RMP</li> <li>☐ Power: 14-18 hp</li> </ul>	1	
4	Uneven shape Wood Sanding Machine, Automatic	<ul style="list-style-type: none"> <li>☐ Multiple directional sanding for plain or curved sections</li> <li>☐ Conveyor type feeding system</li> <li>☐ Feed control system</li> <li>☐ Min. length of working: 400mm</li> <li>☐ Range of height of working: 15-90mm</li> <li>☐ Power requirement: 16KW Approx.</li> <li>☐ Dust collector system attached with the machine</li> </ul>	1	
5	Electrical Spray painting machine	<ul style="list-style-type: none"> <li>☐ Paint container with around 1 liter capacity</li> <li>☐ Easy cleaning of nozzle</li> <li>☐ Adjustable nozzle spray intensity</li> <li>☐ Compressed air supply for the machine using a compressor</li> <li>☐ Three phase operation</li> </ul>	2	
6	Electrical Heat dryer (station)	<ul style="list-style-type: none"> <li>☐ Outside dimension 600x600x600mm</li> <li>☐ Proper heat insulation and door sealing</li> <li>☐ Heating elements can be replaced easily</li> <li>☐ Maximum temperature 60-70 degree</li> <li>☐ Place for keeping material</li> <li>☐ Temperature controller With Auto stop</li> </ul>	1	
7	Framing Zig	<p>Stapling and corner jointing system using framing zig</p> <p>The corner or the frames has to be pasted or stapled to each other</p> <p>Using electric stapling gun and jig for accurate joining of pieces</p>	1	
8	Wood frame Profile shaping machine, male and female set	<p>Frame jointing profile set machine</p> <p>Power requirement: 5HP</p> <p>TCT Saw cutters for the required profile</p> <p>Accurate slide for making profile</p>	1	
9	Electrical Hand grinder	<p>Rated power input : 670 W, No-load speed : 11000 rpm, Power output : 400 W, Disc diameter : 125 mm, 670 watts of power, Gear head can be rotated in 90 deg steps</p>	1	
	<b>Total</b>		<b>10</b>	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
<b>B. Machines for Bamboo craft, Rosera, Samastipur</b>				
1	Hand Drill with beads	Power: 1HP, Function: drill holes in bamboo, Metal Standard size: 3/4 with hole saw of 25 mm, 35 mm, 50 mm with drill set and drill chuck, Specifications: bamboo clamping arrangement vice to be provided separately, Quality Standard: heavy machine	2	
2	Pedestal Grinder	Pedestal Grinder, 1/2 to 1 HP, To be used for workshop applications and to sharpen lathe machine tools(for kharad and industrial turning)	1	
3	Bamboo Cross Cutting Machine, 1 hp, circular carbide tipped blade	The machine cuts Bamboo in to the uniform length, 1 HP Motor, 14" TCT Cutter- German tips, High number of Teeth, Bamboo Clamping Arrangement with help of foot, Gauge stick arrangement to be provided with, Machine fitted with DOL Starter(standard make), Push Button, Cutter rpm: 3000+, Safety Guards, Heavy Frame, Fast production rate:	1	
4	Hydraulic Bamboo Board Making Press	Platen size: 4' x 4' Heavy duty structure Power pack and pump based pressurizing system Electrical resistivity type thermal heaters up to 120 – 130 degree centigrade Pressure 150- 200 bar No. of hydraulic cylinder - 6 Two axis clamping system with multi stage pressurizing Electrical heating system, Temperature controller Control panel with digital display and touch panel buttons Buzzer and machine operation safety display Machine along with Glue mixing and Glue spreading system Total Power: 22-28KW Process Cycle time – 15 mins	1	
5	Bamboo splitter machine (Manual) with stand/Frame	Two Frames, One with 6/7/8 blade grills, Second with 9/10/12 blade grills	1	
6	Lathe Machine	Used for Carving around the bamboo surface, Length 7 ft, Working length 3.5 ft, 1 hp motor, Variable speed, tool set, Bottom frame, Heavy Duty cast iron frame and legs, Heavy duty system for holding bamboo	1	
7	Jigsaw Machine	Throat dept 610mm/24 inch, Cutting Capacity 32mm /1.25 inch, table size 355mm X 305mm/ 14X 12 inch, Approx. Engine speed (RPM) 525-625, Power required- HP/RPM1/1440	2	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
8	Orbital Sander	Product dimensions-7 X 5 X 6 inch, Size 5 Inch, Electrically operated with 120 volts,	2	
9	Bench Drill	Drill size 1 inch maximum Motor power 1 hp, Vice for clamping of material, Maximum drilling thickness: 150mm, Table up down system	1	
10	Planer (4-side)	Function: make a rectangular cross-section of strip with Parallel edges Power: 8 HP+, 1. spindle bearings SKF/NBC only ball , Specifications: 4 cutters 5 motors adjustable, width X height range: in width 12 mm 35 range in thickness 5 mm 25 mm, Power: 1.5 HP Feeder motor, 2 HP X 2, 1.5 HP X 2, cutter motors, with Panel Box, Quality Standard : should give clean finish and parallel rectangular surface should give consistent input size and finish machine should be easily adjustable	1	
11	Chain Splitting Machine	<ul style="list-style-type: none"> <li>•Electric motor : 5 HP</li> <li>•Knife Rings: 4 Nos. of knife rings with 6, 8, 10, 12 blades. Good Quality sharpened blades would be fixed on a Heavy duty ring</li> <li>•Max length of bamboo to be split: 8 ft+</li> <li>•Splitting operation: The bamboo culm is pushed forward by a support of a pushing device and moved fast against the blades of knife ring to do the splitting operation.</li> <li>•Safety guards, barricade, etc. : Safety guard should be provided for chain and drive system on both sides and protective barricade for the out feed area where splitting takes place</li> <li>•Accessories: Electrical Starter of appropriate capacity and relevant spanner sets</li> <li>•Foot Switch or RF Switch: The same to be supplied for user-friendly operation of the machine</li> </ul>	1	
12	Outer & Inner Knot removing machines	<ul style="list-style-type: none"> <li>•The machine should be able to remove external and internal knots easily</li> <li>•2HP Motor,</li> <li>•260 mm Cutter OD X 16T, Good quality carbide, Dynamically Balanced</li> <li>•Machine fitted with DOL Starter(standard make)</li> <li>•Cutter rpm: 3000+</li> <li>•Safety Guards, Heavy Frame</li> <li>•Fast production rate: It takes less than 30 sec to remove one knot</li> <li>•High RPM and Balanced cutter helps in giving a clean cut to bamboo</li> </ul>	1	



S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
13	Heavy Duty Slivering making Machine	<ul style="list-style-type: none"><li>•The machine should be able to make good quality slivers of desired thickness for the purpose of round stick making in the next step.</li><li>•2 HP Motor</li><li>•Hardened HCHCr blade</li><li>•Max. strip thickness: 25 mm</li><li>•Max. width of strip: 35 mm</li><li>•Serrated Feeder Rollers</li><li>•Universal couplings used should be heavy</li><li>•Machine to be fitted with DOL Starter(standard make), Reverse-forward switch</li><li>•Machine to be covered with covers from all sides with collection Tray</li></ul>	1	
14	Thin sliver making machine	<ul style="list-style-type: none"><li>•The machine should be sturdy.</li><li>•Weight 100 Kg</li><li>•Motor 1HP</li><li>•Output of Slivers thickness 0.5 -0.7 mm</li><li>•Input of Slivers 2.5 mm (Max)</li><li>•Adjustable blade position</li></ul>	1	
15	Oscillating Sanding machine, heavy duty	<ul style="list-style-type: none"><li>• Oscillation system 0.5 HP motor of belt and separate motor( 2.5 HP)</li><li>• Function: give good surface finish</li><li>• Metal Standard: Frame heavy angle or channel in mild steel functional parts in cast Iron / heavy duty Steel</li><li>• Specifications: belt size, standard</li><li>• Length 6 ft and width 5 inches (approx)</li><li>• Quality Standard: heavy machine</li><li>• Weight: 200 kg</li></ul>	1	
16	CNC Router Machine	<ul style="list-style-type: none"><li>• Working area : 1300 x 3010</li><li>• Seamless steel structure</li><li>• Taiwan Hiwin Linear Guide Rail</li><li>• Cutting Speed x Y – 15000 Z- 6000</li><li>• Linear ball bearing profile rail</li><li>• 3000w water cooling</li><li>• Power 400w</li><li>• 4.5.KW Air Cooling spindle</li><li>• 1300x2500x200</li><li>• 4.5 kw inverter</li><li>• Spindle speed 24000 r/min</li></ul>	1	
17	Paint gun with Compressor	<ul style="list-style-type: none"><li>• Power Requirement/ Motor Capacity- 2 HP</li><li>• Compressor tank size 60 ltr or above.</li><li>• Along with paint gun, hose pipe 10 mtrs length</li></ul>	1	



S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
18	Parallel Splitter	<ul style="list-style-type: none"> <li>The machine should be sturdy.</li> <li>The cutter housing should arrangement such that we can quickly move it up and down on slide</li> <li>5 ft of bamboo can be split</li> <li>Machine should be easily adjustable</li> <li>Should have good bamboo clamping arrangement</li> </ul>	1	
19	Vertical Drilling Machine	Drilling diameter-50 mm, material MS steel, Motor: 1.5 to 3HP , power: 230 -440 voltage , Drilling capacity : upto100 mm, able to use multiple bits.	1	
20	Mitre Saw (to Cut the bamboo at any particular Angle)	<ul style="list-style-type: none"> <li>Blade Diameter: 255 mm</li> <li>Includes : Allen key, Saw blade, Wrench, Carton box</li> <li>Warranty: 1 Year Manufacturer Warranty</li> <li>Cutting Capacity: 0 deg: 89 mm, 45 deg incline: 67 mm</li> <li>Part Number: 0 601 B29 0K0</li> <li>Model: GCM 10 MX Professional</li> <li>No Load Speed: 4800 rpm</li> <li>Power Consumption: 1700 W</li> <li>Weight: 14.1 kg</li> <li>Item Code: GCM 10 MX</li> <li>Bore Saw Blade: 25.4 mm</li> </ul>	1	
21	Saw Sharpening Machine	<ul style="list-style-type: none"> <li>The function of the machine is to sharpen the cutting tools required on the round stick making machine and crosscut machine. The machine will come with fixtures and wheel set</li> <li>Four side planing cutters are needed to be sharpened after every 300-400 kg of sticks and this machine specifically is made to sharpen them easily</li> <li>The machine should have additional fixtures to be able to grind crosscut and sizing cutter, slicer etc</li> <li>The diamond wheel to move at 4500+ rpm</li> <li>Electric motor: 1 HP motor X RPM of cutter will be 2880 rpm</li> </ul>	1	
22	Vacuum Pressure Treatment plant	<ul style="list-style-type: none"> <li>Integrated/ portable unit, 600 mm x 12 ft , For longer life of bamboo after chemical treatment</li> <li>Tested at 21 kg pressure and 650 mm of vacuum</li> <li>With bottom chemical storage tank</li> </ul>	1	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
23	Humidity normalizing and absorption chamber	<ul style="list-style-type: none"> <li>Humidity Controlled System</li> <li>Drying can be achieved at any weather condition</li> <li>Programmable controlled drying using temperature up to 50 degree centigrade and humidity controller up to 8 to 10 % humidity.</li> <li>Completely enclosed unit</li> <li>inside Chamber size: 5 x 5 x 5 ft</li> <li>wall with proper thermal insulation</li> <li>Power requirement: 5-8KW</li> <li>Digital Temperature and humidity indicator and control system</li> </ul>	1	
24	Laser engraving and Cutting Machine with Rotary	<ul style="list-style-type: none"> <li>130W laser Glass Tube</li> <li>Laser tube life : 8000-10000 hours</li> <li>Knife Platform</li> <li>LM Rail and LM Block driven motion</li> <li>Lead Shine or equivalent Stepper Drive</li> <li>Ruida Controlled System</li> <li>Imported Belt/Lens</li> <li>Stable Rectified Design</li> </ul>	1	
25	Universal Wood working Multipurpose machine ( For surfacing , Planing, Gauging , cutting & slot cutting )	<ul style="list-style-type: none"> <li>Power - 3 HP</li> <li>With cutting table</li> <li>With Planing Table</li> <li>With design Table</li> <li>Width 13'' Surface table</li> <li>With all standard cutting tools</li> </ul>	1	
26	Wood/ Bamboo/Board/ Laminated Cutting Saw Station	<ul style="list-style-type: none"> <li>Power: 9HP + 5HP</li> <li>Two motor system for both size cleaning of sheet or board</li> <li>Heavy duty spindle system using two spindles</li> <li>Electrical Up-down</li> <li>Spindle up-down using Heavy duty Round Bars</li> <li>European Type Accurate sliding system</li> <li>Angle tilting system using digital angle display</li> <li>Dust collector with machine, 5 HP Motor</li> <li>Heavy Duty spring blade system for Dust Bags</li> </ul>	1	
	<b>Total</b>		<b>29</b>	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
<b>C. Machines for Applique craft</b>				
1	Dying Unit( Full	Electrical heating system – 2 nos, containers-	1	



S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
	Set )	5, iron (press)-1 with other accessories		
2	Color Assessment Cabinet Lamp Cabinet Color Controller Light Box	Controller Light Box for Textile, Printing Color Matching Cabinet (110 Volts, 4 Light Sources: D65, TL84, UV, F/A)	1	
3	Blocks/ screen (50/50) with table (Full Set)	Blocks and screen for printing (50 x 50 cm x standard height)	1	
4	SNLS industrial sewing machine	Operation Mode-Automatic, Semi-Automatic, Manual, Max Stitch Length-3mm, 4mm, 5mm, Max Sewing Speed-2000-3000 (stitch/min), 4000-5000 (stitch/min), Usage/Application-Heavy Material	4	
5	Industrial Over lock 5 thread	Sewing Speed: 7000 stitches/minute Stitch Length: 0.8 - 4mm, Unit dimensions (LxWxH): 48 inches by 20 inches by 48 inches Needle: DC X 27, 110V with industrial clutch motor,	1	
6	Cutting station with complete set	Cutting table with cutting arrangement For cutting of cloth material	1	
7	Industrial Steam Press	Voltage- 220-230v, Power -1000w Water Volume -3.5L, Continuous Working Hours- 1.5hrs, Steam Consumption -35g/min Steam Temperature -98 degree C, Size - 37.5L*32W37H(cm) Steam pressure- 4KPa	1	
8	Vertical Steam Press	Capacity (European rate 1:10) kg - 18 , Drum volume lt -180 , Loading diameter-380 , Washing speed rpm -35 , High spin speed rpm – 947, G Factor -300, Water inlet- 2x3/4, Hard water inlet- optional, Water consume per cycle* lt -297 , Drain valve mm -50, Drain pump- optional	1	
9	Washing Unit (Full Set)	Washing system for cleaning of cloth material with drying function, Medium size machine	1	
10	Kaj Machine	Double Hammer force for better hole , Stitching of hole is of good strength, Direct Drive Motor	1	
11	Button Machine	Operation-semi-automatic, stitch length-4mm, sewing speed -2000-3000, Usage-thick thread, Needle-30.7mm	1	
12	Women's wear Full body	The dress forms have "bump out" side seams to enable you feel them when draping with fabric, twill stay ribbon at waistline and center front and center back seam lines.	1	



S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
	<b>Total</b>		<b>15</b>	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
<b>D. Machines for Stone Craft, Patharkatti, Gaya</b>				
1	Multi Blade Stone Cutting Machine	Weight 1500 kg / Voltage- 380V/ Frequency - 50 HZ/ Power- 66 KW. Min & Max size to be cut-can cut up to 500-700 kg stone at a time	2	
2	Double Head Stone CNC cutting machine	Max cutting thickness- 30 mm, Dimension L*W*H- 1300x2500x300mm, Working Area 1500 x 3000 x 300 mm, Spindle Power 5.5 KW , Size 1300mm x 3000mm x 300mm *Spindle Speed 0-24000 rpm/min, Table Structure Aluminum * Working Voltage - AC 380 V/50 Hz	1	
3	Caliper set- Internal, External and Divider	Size(Optional): 8inch(200mm), 10 inch(250mm), Material: High Carbon Steel, Weight: 300g, Package List :1*Outside Caliper, 1*Inside Caliper 1*Divider.	8	
4	Bench/Belt Sander	150Mm disc Item Weight 12.0 kilograms/ Power 375 W, 150 mm -adjustable sanding belt.	8	
5	Hacksaw with 12 inch Blade	Length- 430mm/ Height 130mm/ Depth of bow- 106mm/ adjustable blade size-10- 12"	8	
6	Pneumatic Pencil Grinder	Free speed -54000 RPM/ Capacity 1/8"(3MM) / Air inlet (PT) 1/4" / Air Hose- (ID) 3/8"/ Consumption- 2 CFM(57 L /Min)	8	
7	Electrical Hand Grinder with blade	Product Dimensions: 35 x 13 x 8 cm ; 1.2 Kg Item model number: DSJ25 Die Grinder 25mm 240W, Electric operated	8	
	<b>Total</b>		<b>43</b>	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
<b>E. Machines for Madhubani painting at Madhubani District.</b>				
1	Cutting Table	Height – 4 ft , Width- 3 ft, Length-6 ft, Iron frame with plywood top and under table self	2	
2	Straight Knife Fabric Cutting Machine	Cutting Capacity-45mm, Automatic Grade- Semi-Automatic Blade Size- 110mm, Weight - 2.9 kg, Power- 220V- 240V 50Hz	2	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
3	Round Knife Fabric Cutting Machine	Dimensions 1040 x 960 x 1050 mm, Motor Power 350 W Voltage 220/380 V	2	
4	Vacuum Iron Table	Dimensions 1040 x 960 x 1050 mm, Motor Power 350 W, Voltage 220/380 V	2	
5	Framing Nail Gun	type: air stapler; capacity: 50pcs; model number: sf13021; power source: pneumatic; net weight: 6.76kg; length: 256mm; width: 60mm; height: 207mm; capacity: 50pcs; air pressure: 110-130psi; application: pallets, crates wood case, packaging;	5	
6	Glue Gun	Hot melt adhesive, also known as hot glue, is a form of thermoplastic adhesive stick. Silicon based glue sticks.	5	
7	Hot Air Gun	2-stage switch for one-handed operation, Stationary working position also possible, Two air flow and temperature stages , Thermal protection	2	
8	Paper Cutting	Size: 45 x 37.5 x 3 cm / 18 x 15 x 1.2 inch (L x W x H) -Alignment grid and ruler for accurate measuring.18 inches cutting length	2	
9	Tracing Table	3ftX 4ft top, standard height -30 inch, iron frame with ply-board top fitted with glass for lighting from below.	2	
	<b>Total</b>		<b>24</b>	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
<b>F. Machines for Sikki Craft, Raiyam, Madhubani</b>				
1	Cylinder Bed stitching machine	Cylinder-bed, 1-needle, Top and Bottom-feed, Lockstitch Machine	2	
2	Frame Loom	Width up to 30", Wooden Frame with warp beam complete set	5	
3	Creel, Bobbin, charkha , Warping drum	Creel for 100 bobbin, 500 plastic bobbin, Standard Charkha, Wooden warping drum,	2	
4	Hot Air Gun	2-stage switch for one-handed operation, Stationary working position also possible, Two air flow and temperature stages , Thermal protection	2	
5	Blow lamp for bending cane	Brass blow lamp with handle, container capacity :1000-1200 ml, Kerosene operated	5	
6	Glue gun	Hot melt adhesive, also known as hot glue, is a form of thermoplastic adhesive stick. Silicon based	2	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
		glue sticks.		
7	LPG Cylinder with burner	Commercial LPG Cylinder-2, Burner-2 connecting pipes etc	2	
8	Cutting Table	Height – 4 ft , Width- 3 ft, Length-6 ft, Iron frame with plywood top and under table self	2	
9	Heat press machine	Temperature 100-200 degree Celsius, Printing Speed 40-50 sec	4	
	<b>Total</b>		<b>26</b>	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
<b>G. Machines for Sikki Craft CFC, Rampur, Madhubani District</b>				
1	Heat press machine	Temperature 100-200 degree celsius, Printing Speed 40-50 sec Minimum Order Quantity 1 Unit	4	
2	Hot Air Gun	2-stage switch for one-handed operation, Stationary working position also possible, Two air flow and temperature stages , Thermal protection	2	
3	Cutting Table	Height – 4 ft , Width- 3 ft, Length-6 ft, Iron frame with plywood top and under table self	2	
4	Cylinder Bed stitching machine	Cylinder-bed, 1-needle, Top and Bottom-feed, Lockstitch Machine	2	
5	Frame Loom	Width up to 30”, Wooden Frame with warp beam complete set	5	
6	Creel, Bobbin, charkha , Warping drum	Creel for 100 bobbin, 500 plastic bobbin, Standard Charkha, Wooden warping drum	2	
7	LPG Cylinder with burner	Commercial LPG Cylinder-2, Burner-2 connecting pipes etc	2	
8	Mitre Saw	blade hard metal (diameter 210 x 30 mm diameter)	2	
9	Glue Gun	Hot melt adhesive, also known as hot glue, is a form of thermoplastic adhesive stick. Silicon based glue sticks.	2	
10	Frame Nail Gun	type: air stapler; capacity: 50pcs; power source: pneumatic; net weight: 6.76kg; length: 256mm; width: 60mm; height: 207mm; capacity: 50pcs; air pressure: 110-130psi; application: pallets, crates wood case, packaging;	5	
11	Paper cutting machine	Size: 45 x 37.5 x 3 cm / 18 x 15 x 1.2 inch (L x W x H), Alignment grid and ruler for accurate measuring.18 inches cutting length	2	
	<b>Total</b>		<b>30</b>	



S.No	Particulars	Specifications of Machines/Equipment	Unit Price	
<b>H. Machines for Jute Craft CFC at Patna</b>				
1	Jute fiber cloth hydraulic cutting press machine	Cutting Speed: 0-40000mm/min, Cutting Force: 25-100tons , Cutting Area: 610*1600mm	1	
2	Cutting Table	Height – 4 ft , Width- 3 ft, Length-6 ft, Iron frame with plywood top and under table self	2	
3	Electrical ironing station	Ironing board material - inner: mdf board and foam, outer: oxford 600D Heat resistant, laundry bag material: oxford 600D, Dimensions: 29.5 inches (length) x 18 inches (width) x 29.5 inches (height)	1	
4	Electrical fusing station	Heating Time-6-28 Sec, Fusing Width-600 mm, Heater Rated Output-8.4 kW, Max Temp- 200 Degree C, Maximum Belt Speed 10.2 m/min,	2	
5	Yarn twisting machine	Machine Type-Automatic, Phase-Single, Voltage-220 V, Body Material-Mild Steel, Power Source-Electric	2	
6	Cylinder Bed stitching machine	Cylinder-bed, 1-needle, Top and Bottom-feed, Lockstitch Machine	2	
7	Frame Loom	Width up to 30", Wooden Frame with warp beam complete set	5	
8	Creel, Bobbin, charkha , Warping drum	Creel for 100 bobbin, 500 plastic bobbin, Standard Charkha, Wooden warping drum	2	
9	LPG Cylinder with burner	Commercial LPG Cylinder-2, Burner-2 connecting pipes etc	2	
10	Glue Gun	Hot melt adhesive, also known as hot glue, is a form of thermoplastic adhesive stick. Silicon based glue sticks.	2	
11	Frame Nail Gun	type: air stapler; capacity: 50pcs; power source: pneumatic; net weight: 6.76kg; length: 256mm; width: 60mm; height: 207mm; capacity: 50pcs; air pressure: 110-130psi; application: pallets, crates wood case, packaging;	5	
12	Hot Air Gun	2-stage switch for one-handed operation, Stationary working position also possible, Two air flow and temperature stages , Thermal protection	2	
	<b>Total</b>		<b>28</b>	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
<b>I. Machines for Terracotta craft Darbhanga dist</b>				
1	Gas based furnace	Heating of clay/ Maximum term : Internal space Size- 3ftx4 ftX 4ft (h), LPG operated, Max Temperature (Degree Celsius)-	1	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
		500-1000, Material Loading Capacity- 500-1000 kg,		
2	Pug mill	Mixer of clay /Capacity 100kg, Material- Stainless Steel, Automation Grade- Automatic	2	
3	Angle Grinder	For Grinding and shaping with Load Speed (rpm)- 900-11000 rpm, Power Source- Electric, Input Power-710 W	2	
4	Hand Drill machine	Applications- To make holes of different size in solid substance i.e. wood, steel, concrete etc, For screwing and fastening. Dimensions-27x 6.5x21.5 cm. Chuck Size-10 mm. Voltage-220 V, Frequency-50HZ, Handle Type- Pistol Grip, Power Consumption-300 W.	2	
5	Compressor for spray (painting)	Discharge Pressure (in bar)- 8 bar, Compressor Technology- Reciprocating, Motor: Single phase- 2HP, motor speed RPM: 2800- 3000, Operating voltage: 210-240 volts, Free air delivery: 120 lpm @ 90 psi, Tank volume: 10 liters (min), Auto on/off, Pump: Oil lubricated, Weight : 20kgs to 22 kgs, Speed-2850 rpm, Pressure- MAX 116 PSI, Noise Level -80dB, Capacity- Air Receive: 240 L, Voltage-220 V	1	
	<b>Total</b>		<b>8</b>	

S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
<b>J. Machines for Sujani craft</b>				
1	Dying Unit( Full Set )	Electrical heating system – 2 nos, containers- 5, iron (press)-1 with other accessories	1	
2	Color Assessment Cabinet Lamp Cabinet Color Controller Light Box	Controller Light Box for Textile, Printing Color Matching Cabinet (110 Volts, 4 Light Sources: D65, TL84, UV, F/A)	1	
3	Blocks/ screen (50/50) with table (Full Set)	Blocks and screen for printing (50 x 50 cm x standard height)	1	
4	SNLS industrial sewing machine	Operation Mode-Automatic, Semi-Automatic, Manual, Max Stitch Length-3mm, 4mm, 5mm, Max Sewing Speed-2000-3000 (stitch/min), 4000-5000 (stitch/min), Usage/Application- Heavy Material	4	
5	Industrial Over lock 5 thread	Sewing Speed: 7000 stitches/minute Stitch Length: 0.8 - 4mm, Unit dimensions (LxWxH): 48 inches by 20 inches by 48 inches Needle: DC X 27, 110V with industrial clutch motor,	1	





S.No	Particulars	Specifications of Machines/Equipment	Unit	Price
6	Cutting station with complete set	Cutting table with cutting arrangement For cutting of cloth material	1	
7	Industrial Steam Press	Voltage- 220-230v, Power -1000w Water Volume -3.5L, Continuous Working Hours- 1.5hrs, Steam Consumption -35g/min Steam Temperature -98 degree C, Size - 37.5L*32W37H(cm) Steam pressure- 4KPa	1	
8	Vertical Steam Press	Capacity (European rate 1:10) kg - 18 , Drum volume lt -180 , Loading diameter-380 , Washing speed rpm -35 , High spin speed rpm – 947, G Factor -300, Water inlet- 2x3/4, Hard water inlet- optional, Water consume per cycle* lt -297 , Drain valve mm -50, Drain pump- optional	1	
9	Washing Unit (Full Set)	Washing system for cleaning of cloth material with drying function, Medium size machine	1	
10	Kaj Machine	Double Hammer force for better hole , Stitching of hole is of good strength, Direct Drive Motor	1	
11	Button Machine	Operation-semi-automatic, stitch length-4mm, sewing speed -2000-3000, Usage-thick thread, Needle-30.7mm	1	
12	Women's wear Full body	The dress forms have "bump out" side seams to enable you feel them when draping with fabric, twill stay ribbon at waistline and center front and center back seam lines.	1	
	<b>Total</b>		<b>15</b>	

Cells marked × do not required the machines at that location.

**(Signature of Tenderer with Seal)**

Name of the company:

Complete address:

Name of Contact person:

Contact Detail: