

TENDER- 1/2017-18

NAME OF BRANCH:- TEXTILE TECHNOLOGY

NAME OF LAB: SPINNING LAB

PACKAGE-10 C

S.No	Equipment Description	QUANTITY/UNIT REQUIRED	BID RATES OF EQUIPMENT PER UNIT(Rs.)	APPLICABLE RELEVANT TAXES PER UNIT(Rs.)	TOTAL COST OF EQUIPMENT PER UNIT(Rs.)
1	Blow Room Line Microprocessor based(Lab Model) :- With minimum 4.5 Beating Points, blow room line of 10 inch (250mm) width, complete with hopper feeder, Scutcher, beaters, with adjustable grid bars, latic, Krischner beater, Feed regulatory system, calendar rollers, lap rollers, lap tray with electric control pannel with complete accessories or Latest Configuration.	3			
2	High Production Carding Machine Microprocessor based (Lab Model) :- 250 mm working width, 250 mm cylinder, doffer, feed roller, opening roller, stripping roller, crush roller stainless undercasing, takeup drum suitable for feeding miniature draw frame with indivisual AC variable speed motors with control system to control the speed of feed roller, cyliner and doffer, motors electrical control system with all accessories or Latest Configuration	3			
3	High Speed Draw frame/Drawing machine(Lab Model):- Draw Frame Having 3 over 3 drafting arrangement to process the sliver from miniature carding machine with individual AC variable speed motors with control system to vary the speed of front roller, middle roller and back roller inclusive of motors, invertors,electrical, rpm indicators, potentiometers, control system with all accessories.or Latest Configuration	2			
4	High Production Simplex /Roving Machine computer numerically controlled(Lab Model):- Latest Lab Model -4 Spindle Suitable for 110 mm gauge, 250 mm lift, 3 over 3 spring loaded drafting system, draft upto 12, individual AC variable speed motors with microprocessor control system to control the speed of front roller, back roller , spindles and bobbins. Use menu driven software to ease man/ machine intraction with possibility to enter and optimize parameters, while machine is at rest, PLC , computer and UPS as per the machine requirement, 100 empty PP bobbins with complete accessories or Latest Configuration.	3			
5	Ring Frame Computer numerically controlled (Lab Modle) :- No. of Spindle 6, mechanical speed 25000 rpm, ring dia - 38 mm, 70mm gauge, 180 mm lift, SKF PK 2025/2035, 3 over 3 drafting arrangement with slub, multicoount, multitwist, core yarn attachment with indivisual AC variable motors with control system to control the speed of front , middle, back roller and spindles, User friendly menu driven software to ease man / machine dilogue with a possibility to enter and optimize the parameters while the machine is running or at rest with motors, electrical, control system PLC, computer, UPS with all accessories. or Latest Configuration	2			





8	Parallel Winding Machine (Lab Model):- Cheese winding : 4 drum, Speed Range- 600- 800 y.p.m., Optical cleaner on individual spindle, Steel drum/Bakelite drum as per parallel winding, 220V, Single phase motor, 100pp cheeses with all complete accessories or latest configuration ,complete with all accessories	4			
9	Yarn Doubling Machine/Two For One Twisting Machine (Lab Model):- No. of spindle= 4, 230 mm gauge, 150 mm pot dia, suitable for cheese wound feed package of 170 mm traverse, twist range=3.0 to 45.0TPI to twist 2/8 2/80 Ne and a delivery package size of 152 mm traverse by 250 mm dia cheese tangential belt drive for S & Z twist with individual AC variable speed motors with control system to control the speed of spindle and takeup roller. User friendly menu driven software to ease man/machine dialogue with a possibility to enter and optimise parameters while the machine is running or at rest with motors .Electrical ,PLC ,Computer,UPS,Control system with 16 cheese or latest configuration with all accessories	4			
10	Two For One Twister(T.F.O.) (10 Spindles) TFO Type , No of spindle 10 ,230 mm gauge ,150 mm pot dia, suitable for cheese of 170 mm traverse, twist range = 3.0 to 45.0 's Ne, Tangential belt drive for S & Z twist both, with automatic shop motorn and other complete accessories , 100 PP empty packagewith all complete accessories or latest configuration.	2			
11	Open end / Rotor Spinning Machine/c Computer Numerically Controlled (Lab Model):- Having Range 4 head rotor, gauge -230 mm having 43/48/54/66 mm rotor dia with OK37/40 opening rollers, R4/10 navels. Built in automatic indicators and quick response sensors to monitor yarn continuity and feeding sliver, trash separator and discharge tunnel for better cleaning, Feeding can size of 14" X 42" and take up package size of 150 by 250 mm with individual AC variable speed motors with User friendly menu driven software to ease man/machine dialogue with a possibility to enter and optimize parameters while the machine is running or at rest with motors, Electrical, PLC , Computer, UPS, Control system,with 4 cans, or Latest Configuration complete with all accessories	3			
12	ASSEMBLY WINDER Mechanical speed: Up to 1000 m/min Package shape: freely programmable Traverse length: 25 to 270 mm electronically adjustable Take up package diameter: Up to 300 mm Package weight: Up to 10 kg Supply package diameter: 2-ply up to 280 mm/3-ply up to 240 mm (with balloon separators) Yarns: staple yarns, mono filament, textured filaments, medium count technical yarns Count: Ne 1.5 to 240 Take-up tubes: cylindrical or cones up to 5027', max. Length 290 mm, minimum base diameter 38 mm Layout: single or double sided No of spindles per section: 5 (single sided) or 10 (double sided) Gauge: 440 mm Drive: Individual Compressed air: 6 bar	2			



Njeel

13	<p>LAB MODEL OF MELT SPINNING PROCESS</p> <p>Spinning extruder Screw diameter: 25 mm Screw L/D: 28 Mixing torpedo L/D: 3 Highest temperature of heating area: 3200C Heating power: 2.5 kw Metering pump Power: 0.75 kw Pump capacity: 2.4 ml/revolution Heating godet system Temperature range: approx. 70-2000C Heating godet diameter: approx. 125 mm Heating godet length: approx. 125 mm Speed range: approx. 100-500 m/min Winding head Speed: approx. 300-1000m/min Winding roll capacity: approx. 120 mm Max. Winding roll diameter: approx. 320 mm Power supply: AC 380 V, 50 Hz</p>	2			
14	<p>LABORATORY MODEL OF WET SPINNING</p> <p>Single or multiple dope vessels of various sizes for batch/continuous operation Continuous homogenization of spin dope with temperature control Exchangeable precision spin pumps and height adjustable spin engine Horizontal, vertical spinning in the coagulation bath, with unique thread-up system Temperature control of coagulation and solvent recovery Highly efficient washing haul-off systems Filament drying systems with hot air circulation Flexible configuration of draw line components with multiple drawing zones State of the art computerized control system with data acquisition</p>	2			

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<p>15</p>	<p>DRAW TEXTURISING MACHINE No of positions: 216 Feed creel: Semi rotary box creel Texturising Heater: 1.6 Meter length, vapour phase, contact type, 12 ends group heater with temperature range 1500C to 2500C Setting Heater: 1.2 Meter length, vapour phase, non contact type, 24 ends group heater with temperature range 1250C to 2500C Temperature display: Bottom and top both Temperature alarm: Audio and Video with settable permitted range Cooling zone: 1250 mm length with provision for forced cooling Friction twist unit: 1-6-1 six mm 49.62 mm diameter solid Ceramic or 51.2 mm diameter P.U. disc Yarn oiler: 64 mm diameter oil roller and stepless Required room temperature: 220C to 280C Take-up tube: 57/69 mm diameter, 290 mm length Package diameter: Up to 270 mm Traverse length: 250 mm Traverse speed: Up to 600 CPM Package shape: Cylindrical, or 6, 12, 18, degree Bioconical Pattern Breaking: Multi stroke, settable and synchronized axial and cyclic disturbances Package content: Up to 8000 gms Mechanical speed: 1200 meters/min Denier range: Processed Denier Range 30 to 300</p>	<p>2</p>			
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FULL SIGNATURE OF BIDDER WITH SEAL