

TENDER- 1/2017-18

50F68

NAME OF BRANCH:- RUBBER AND PLASTIC TECHNOLOGY
 NAME OF LAB:- PLASTIC AND RUBBER PROCESSING LAB

PACKAGE-3 A

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	AUTOMATIC BLOW MOULDING M/C LAB Size ,Blowing pressure -40kg/cm ² ,Locking force-30 Ton,Mould thickness-175mm-250mm,Opening stroke-250mm,Rods-445mm,Total weight -Approx 1500kg,Production-600-800BPH (1 Ltr water bottle -2 cavity) CONTAINER SPECIFICATION - Max product height 350mm, neck size 20-40mm double cavity upto 120 mm single cavity, Max product dia 130mm double cavity 200 mm single cavity, Utility requirement for 1.0 ltr water bottle @ 800BPH ,Compressed air Control 7CFM @ 8 bar blowing 22 CFM@30kg/cm ² ,Water 50 LPM @ 2to 4 bar 25°,Power Total connect load 12 KW (without utilities)(approx) along with all other allied accessories and operating manual.	1			
2	HORIZONTAL INJECTION MOLDING M/C : 100T, plasticising capacity 4 kg/hr, screw dia 18 mm, swept volume 15 cc, injection pressure 2110 kg/sq. cm., rate of injection 10.5 cc/sec, shot capacity upto 35 gms. along with all other allied accessories and operating manual	1			
3	Two roll mill(Labsize with Manual): Roller diameter- 6"x15", roller rotating speed 20 rpm+24 rpm, 7.5 HP motor, 4 kg weight, dimension=1000x1000 mm along with all other allied accessories and operating manual	1			
4	Rotational Moulding M/c: offset arm (OMS*OA*OH) 2300 *1200*1725mm, straight arm(SMS*SA*SH2*SH3) 2300*1400*710*400 mm, floor space 9.5 x 8 x 3.1 mtr fixed oven having 3/4 arms , PLC CONTROLLED along with all other allied accessories and operating manual	1			
5	Automatic Injection Moulding M/c .100T, plasticising capacity 4 kg/hr, screw dia 18 mm, swept volume 15 cc, injection pressure 2110 kg/sq. cm., rate of injection 10.5 cc/sec, shot capacity 14 gms. along with all other allied accessories and operating manual	1			
6	Induction Welding M/c: Max input power frequency:45KW, Frequency:1-20KHz, Max input current:68A, Output current:15-95A, Output voltage:70-550V, Input voltage:3phase 380V, Duty cycle:100%, Timer:0.1-99.9, Whole systems water flow:≥0.2Mpa≥6L/Min, Power supply water flow:≥0.2Mpa≥3L/Min, Max water temperature:40°C, Water way:1 water inlet,1 water outlet, Generator weight:47KG, Generator size:650*350*550along with all other allied accessories and operating manual	1			
7	Pultrusion M/c : clamping force by Pneumatic system, compressed air requirement 10-12 CFM & 5-6 kg/sq cm, grippers- 2 to3/ carriagepulling capacity 2000 kgf to 10000 kgf, pulling speed 0.08 m/min to 2.1 m/min along with all other allied accessories and operating manual	1			
8	TWIN SCREW EXTRUDER FOR RIGID PIPE PVC PIPE PLANT :RC 100 kg/hr with manual, 65 mm double barrel with heater and automatic controls, drive motor 40 HP AC, SACM 645 Alloy steel nitrided treatment surface hardness HRC 60, water cooling of screw, screw speed 42 rpm, forced lubricating motor 0.5 HP x 4p, oil temp control motor 0.5 HP x 4p, Die material - carben steel with hard chrome. along with all other allied accessories and operating manual	1			



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9	Extruder For LDPE Film : screw dia 55 mm, screw ration (L/D) 28:1, heater capacity 11 kW, driving motor power 15 kW, temp control panel 12 zone, takeup roller width 150x500x2 mm, air blower power 2.2x2 kW, film thickness 0.02-0.10 mm, extrusion o/p 50 kg/h	1			
10	Compression Moulding Press: 30 ton, Platen dimensions 30", Closing speeds 100 inches / minute, Platen heating- Electric, Number of Daylights 1, Hydraulic pressures Up to 3,000 psi,Hydraulic preferences Rexroth, YUKEN , POLYHYDRON MAKE VALVES , Control Processors OMRON / Allen Bradley, Operator Interfaces OMRON / Allen Bradley make coloured touch screen along with all other allied accessories and operating manual	1			
11	Transfer Moulding Press: CAP. TON PLATEN SIZE (MM) DAY LIGHT GAP(MM) ,STROKE (MM), BORE/RAM DIA(MM), TRANSFER CYLINDER CAPACITY (MM), TRANSFER CYLINDER STROKE (MM), PRESSURE KG/SQCM, MOTOR H.P. - 100, 400X400, 400, 250, 250, 40 , 150 , 210, 5 RESPECTIVELY along with all other allied accessories and operating manual	1			

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FULL SIGNATURE OF BIDDER WITH SEAL