

INTEGRATED DEVELOPMENT OF LEATHER SECTOR (IDLS) SCHEME

LIST OF TANNERY MACHINES - APPROVED FOR XII FIVE YEAR PLAN

Sl.No	Name of Machines	Main Specifications	Imported or Indigenous
1	Unhairing machine (for skins)	w/w:1200-1400mm w/w:1400-1650mm	Indigenous Indigenous
2	Sulphide Applicator, hydraulic	w/w:1400-1650mm	Imported
3	(a)Fleshing machine	w/w:1600-3000mm	Imported
	(b)Fleshing machine	w/w:1200-1800mm w/w:2100-2700mm	Indigenous Indigenous
4	Scudding machine, hydraulic	w/w:1200-1400mm w/w:1450-1650mm	Indigenous Indigenous
5	(a)Hydraulic Throughfeed Wetblue Sammying machine	w/w:2100-2700mm w/w:3000-3400mm	Imported Imported
	(b)Sammying machine (ordinary type)	w/w:2100-2400mm w/w:2700-3200mm	Indigenous Indigenous
6	(a)Hydraulic Bandknife splitting machine	w/w:1500-2100mm w/w:2400-3000mm	Imported Imported
	(b)Bandknife Splitting machine	w/w:1800-2700mm	Indigenous
7	(a)Hydraulic Wet Shaving machine	w/w:1800-3600mm	Imported
	(b)Hydraulic Dry Shaving machine	w/w:1300-	Imported
	(c)Hydraulic Shaving machine	w/w:800-1000mm w/w:1300mm	Indigenous Indigenous
	(d)Shaving machine (mechanical)	w/w:300-600mm	Indigenous
8	(a)Hydraulic Throughfeed Sammying -cum-Setting machine	w/w:1600-2100mm w/w:2400-3200mm	Imported Imported
	(b)Hydraulic Reversible Setting machine	w/w:1500-1600mm	Imported
	(c)Hydraulic Reversible Setting machine	w/w:1200-1800mm w/w:2100-2550mm	Indigenous Indigenous
9	Wet Stretching machine	w/w:3200-3400mm	Imported
10	Vacuum Dryer of Table size 2400 x 4700mm/ 2500x5000/3000 x 6000/ 3000 x 4000mm/3200 x 7000mm, etc.	Tables 2-3nos. Tables 4-6nos. Tables 7 nos. Tables 7 nos.(Spl.category)	Imported Imported Imported Imported
11	(a)Conveyor system for leather drying with standard accessories	200m	Imported
11	(b)Overhead Drying Conveyor, with brackets,Gearbox, hangers, Structural support & accessories.(Of varying lengths)	50-80m 80-120m 120-150m	Indigenous Indigenous Indigenous
11A	Paste Drying unit with std.accessories.		Imported
12	(a) Throughfeed Vibration Staking machine of varying Heads + jaws	w/w:1600-2100mm w/w:2400-3000mm w/w:3200-3400mm	Imported Imported Imported
	(b)Throughfeed Vibration Staking machine	w/w:1650-2400mm	Indigenous
	(c)Horizontal Rotary Staking machine	w/w:1600mm	Imported
	(d)Vertical Staking machine (Schoedel type)	w/w:1200-1300mm	Imported
	(e)Slocomb Staking machine	Jaw type	Indigenous

13	(a) Auto Toggling machine, throughfeed with accessories	160 special-3 EMMEZETA MS Frames 3400x2800mm -4000x1800mm (Quick 18 super)	Imported Imported Imported
	(b) Auto Toggling machine, conveyorised, with Drying chamber	Size:1400mm x 15m. -2200mmx18m	Indigenous
	(c) Toggle Dryer (ordinary type) with heaters, motor with blower, thermostat assembly, control panel, toggle clips, etc.	10 Frames 20 Frames Frame sizes: 8'x6', 8'x8', 9'x7', 9'x8', etc	Indigenous Indigenous
14	Tumble Drier / Drum Drier	Capacity:50kg-60kg Capacity:100kg-150kg Capacity:200kg-250kg	Indigenous Indigenous Indigenous
15	(a) Throughfeed Lightning Buffing machine	w/w:1300-1800mm w/w:2100-2400mm w/w:2700-3050mm	Imported Imported Imported
	(b) Throughfeed Buffing machine (Hydraulic/Pneumatic) with Dust extractor, etc.	w/w:1300-1600mm	Indigenous
	(c) Buffing, Double width	w/w:600mm	Indigenous
	(d) Buffing machine, Single width	w/w:300mm/300mm. High speed	Indigenous
16	(a) Airblast Dedusting machine	w/w: -3200mm	Imported
	(b) Dedusting machine (ordinary type) with brush, centrifugal Blower	w/w:1200-1500mm	Indigenous
	(c) Dedusting machine (Special type-M73.10) with Twin lobes Rotary Blower	w/w:1500-1600mm	Indigenous
17	Briquetting /cake making machine/ Buffing Dust compacting machine		Imported
18	(a) Combined Throughfeed Lightning Buffing machine with Airblast Dedusting machine, Dust collector & Briquetting machine	w/w:1800-2400mm w/w:2700-3200mm	Imported Imported
	(b) Combined Airblast Dedusting machine Blower, Dust Collector & Briquetting machine	w/w:1800-2100mm	Imported
	(c) G.I. Fabricated Dust Collector with Pneumatic cylinder, Vibration system, Filter bags, MS centrifugal blower, motor, Ducting, etc.		Indigenous
19	(a) Polishing machine, Hydraulic - with Stone & Felt rollers	w/w600mm w/w:800mm	Imported Imported
	(b) Polishing machine, Hydraulic-with wool cloth roller, green type	w/w600-	Imported
	(c) Polishing machine, hydraulic/ Mechanical, with Stone (Amber)/Felt rollers	w/w600-800mm	Indigenous
20	Rotary Pigment Coating machine (Roller Coating machine) with syncro and reverse rotation, coating rollers, roller heating system & accessories	w/w:1800-2200mm w/w:2600-3400mm	Imported Imported
21	Curtain Coating machine with std. accessories	w/w:1800mm x3/3	Imported
22	(a) Autospray comprising Electronic Rotary Spraying cabin + 16/12/8/4 spray guns (imported or indigenous) + Drying chambers + Ventilator + accessories (Exhaust Ducting & Chimney)	w/w1000mm./1200mm.x4.5 m w/w:1800mm w/w:2400mm w/w:3000mm	Indigenous Indigenous Indigenous Indigenous
	(b) Autospray, with spraygun model MCR BA-PE(24LVHP guns)	Rotary Device Model:SP-100	Imported

	(c)Autospray (Head only)with spares	w/w1800-2400mm	Imported
	(d)Autospray - Spraying cabin only with spray guns + accessories.	w/w:2400-3000mm	Indigenous
	(e)Autospray-Drying chambers only with heaters + accessories	w/w:1800-3000mm	Indigenous
	(f)Handspray Booth with expandable metal top, exhaust system (blower & motor)&spray gun.	8'x6'/9'x6' 2400x1350mm(HiTech) 1800x1350mm(HiTech)	Indigenous Indigenous Indigenous
23	(a)Throughfeed Ironing & Embossing machine with embossing rollers &accessories	w/w:2400-3000mm (with 4-5 rollers)	Imported
	(b)Engraved Embossing Roller for Throughfeed Embossing machine	Different Designs	Imported
	(c)Hydraulic Ironing &Embossing Press	Thrust:850 Tons Platen size:1370x1000mm	Imported (Thai) Imported(Italian)
	(d)Hydraulic Ironing&Embossing Press	Thrust:600Tons Platen size:1370x660mm -850T/1370x1000mm -600T/1370x660mm	Imported(Thai) Imported(Italian) Indigenous Indigenous
	(e)Embossing Plates for Hydraulic Press. Size: 1370x1000x10mm. &1370x660x10mm.	Special Designs (UNGRICHT/DORNBUSCH) Other Designs Plain Plate Other Designs	Imported Imported Indigenous Indigenous
24	Automatic Throughfeed Ironing & Plating machine with Aspirator & Dust Collector	w/w:1700-1850mm w/w:2100-3000mm	Imported Imported
25	Finiflex type Ironing machine	w/w1500-1800mm	Indigenous
26	(a)Glazing machine (b) Glazing machine	900mm(LISSA) 900mm	imported Indigenous
27	(a)Area Measuring machine for Wetblue, micro processor-based, with Printer, etc.(Feeding &Receiving end in s.s.)	w/w1400-2400mm w/w:2400-3200mm	Indigenous Indigenous
	(b)Pattern Scanning machine for finished leather(Area Measuring, etc)	w/w1600-1800mm	Imported
	(c)Area Measuring machine for finished leather	w/w:1400-3000mm	Indigenous
28	Steam Boiler/Thermic Fluid Heater with fittings, pump assembly, valves, blowers, centrifugal fans, gauges, insulation & refractories, structural support, ducting, chimney, etc.	Capacity: 2lakh k.cal/hr-5lakh k.cal/hr 5lakh k.cal/hr -7lakh k.cal./hr	Indigenous Indigenous
29	(a)Air Compressor with all accessories- ELGI/ATLAS COPCO/KAESAR,etc.	ELGI TS03120H, 3HP 7.5HP/20HP 30HP/40HP 7.5bar/8.0bar	Indigenous Indigenous Indigenous
	(b)Air Receiver	0.5M3 7kg/cm2(500l)	Indigenous
30	Genset with Alternator &accessories	62.5KVA 82.5KVA / 125KVA 180.0KVA 200/250.0KVA 600.0KVA(VOLVO)	Indigenous Indigenous Indigenous Indigenous Indigenous
31	<b>Lab. Testing Equipment</b> (a) Electronic Weighing Scales	3kg/100mg accuracy	Indigenous
	(b)Incubator double walled chamber innerwall s.s., Digital Temp. Controller-cum.indicator + accessories.		Indigenous
	(c)VESLIC Rub Fastness Tester with 4 stations + white felts (1000pcs/pack) + Black felts (1000 pcs/pack) for testing.		Imported

	(d)VESLIC Rub Fastness Tester		Indigenous
	(e)Electrical Waterbath, double-walled with thermostatic control 14"x10"x4" with 6 holes; Digital pH meter (complete unit); Glass Double Distillation unit 1.5l/hr; Electronic Relay Unit for the above.		Indigenous
	(f)Soxhlet Extraction apparatus with r.b.flask 250ml, Allihu condenser & Extractor, Cap.100ml; Retort stand with condenser clamp; Heating mantle with energy regulator, cap:250ml; Fume hood cupboard 4'x2'x2', Remi make model 1ML magnetic stirrer with Digital speed indicator; Infrared moisture balance, cap.25ml; Electronic Timer 0-30 min for the above.		Indigenous
	(g)Hot plate, without Model IMLM Magnetic stirrer (Remi make)		Indigenous
32	Electro magnetic Flowmeter (Krohne Marshall)	1"/1.5"/2"/3"/4"	Indigenous
33	Thickness Measuring Gauges	Throat size 300mm/450mm	indigenous
34	Data Color Matching System comprising Datacolor 110LAV spectro photometer & Data color Tools Basic softwear		Imported
35	Effluent Treatment Plant consisting of (1) Pre-Treatment Plant(PTP) & (2)chrome Recovery Unit (CRU) (cost roughly 50%each)	<2Tons/day of Raw wt. of hides/skins 3-5 Tons/day 5-10 Tons/day	Indigenous Indigenous Indigenous
36	ETP-R.O.Plant		Indigenous
37	Material Handling Equipment (mechanised) (Forklift, Goods lift, etc.)	Lower capacity Higher capacity	Indigenous Indigenous
38	Workers' Health & Safety -Wind Ventilators for factory building including FRP Base for fixing, and assembly	SRJ 22"	Indigenous
39	(a)Specialised Technical Services Software (Licences, Blue prints, Implementation)	ANT ARA-ERP	Imported
	(b)ERP Tannery Modernisation Softwear Leather Link TMS to achieve Productivity improvement, cost saving &improving customer service		Indigenous
40	(a) Sample Drum (wooden) of Malaysian salwood or similar with motor & accessories	3'x3'/1m.x1m 4'x3'/4'x4'/4.5'x4.5' 5'x4'	Indigenous Indigenous Indigenous
	(b)Sample Drum (S.S) for Tanning /Dyeing, with accessories.	3'x3'/4'x4' 800mm x400mm (RAMSONS) 1200x600mm 1000mmx500mm (SIVTECH) 3.60'x2.4'(RAMS INDIA)	Indigenous Indigenous Indigenous Indigenous
	(c) Sample Drum (S.S.)with accessories	1500mm x1200mm 1200mm x600mm	Imported (Italian) Imported (Italian)
41	(a)Wooden Drum of Malaysian Salwood or similar, with gear box, motor & accessories (for Liming)	10'x8' 10'x10' 12'x10'	Indigenous
	(b)Wooden Drum for Liming with all accessories	4000 x 4000mm (PAJUSCO)	Imported (Italian)

42	(a) Wooden Drum of Malaysian Salwood or similar, with motor & accessories-for Tanning/Dyeing & Fathiquoring	6'x4' 8'x6'/8'x7' 8'x8'/8'x8.5' 9'x9'/10'x8'	Indigenous Indigenous Indigenous Indigenous
	(b) Wooden Drum for Tanning & Dyeing with accessories.	3000x3000mm Model:ZLXC 3500x3500mm Model:ZLXC 300x2500mm(PAJUSCO) 3500x2500mm(PAJUSCO) CANGLIONS, 3000x2500mm (OLCINA) 4000 x 4000mm(PAJUSCO)	Imported (Chinese) Imported (Chinese) Imported (Italian) Imported (Italian) Imported (Spanish)
	(c) S.S. Drum for Tanning & Dyeing/ Leather Dyeing machine, with accessories.	1200x900mm(RAMSONS) Loading Cap:40kg 775x400mm (RAMSONS) Loading Cap:5kg OPTOMIX 1000x500mm (TECHNO CONCEPTS) (25kg) OPTOMIX 1200x600mm (40kg) OPTOMIX 1500x800mm(60kg) 1500x850mm(RAMSONS)	Indigenous Indigenous Indigenous Indigenous Indigenous Indigenous
	(d) S.S. Drum with 3 Compartments & accessories	UNIMATIK 4000 UNIMATIK 6000 UNIMATIK-SOMAC 204/205/206	Imported(Italian) Imported(Italian) Imported(Italian)
	(e) Polypropylene (PPH) Tanning & Dyeing machine (Drum) with accessories	Small capacity-15kg.W.b. Shaved wt/5kg.crust wt.(RAMSONS) 1600mm x1130mm PLC & PID (RAMSONS) 2400mm x 2000mm PLC & PID (RAMSONS) 1700mm x 1200mm (HUNI) 2500mm x 2000mm (HUNI) 3000mm x 2500mm (HUNI) 3500mm x 3500mm (ITALPROGETTI Engg.) 3000mm x 2000mm (ITALPROGETTI Engg.) 2500mm x 2000mm (ITALPROGETTI Engg.) 2500mm x 1500mm (HUNI)	Indigenous Indigenous Indigenous Imported (Italian) Imported (Italian) Imported (Italian) Imported (Italian) Imported (Italian) Imported (Italian) Imported (Italian)
43	<b>Process Control System</b> (a) Water Mixing & Dosing system (AQUAMIX type) + accessories	For 6-8 Drums	Imported (Swiss/HUNI)
	(b) Chemical Mixing & Dosing system (PRODOMIX type + accessories PRODODOS type, with fittings	For 6-8 Drums PD STP/4F/4C/IM	Imported (Swiss/HUNI) Imported (Italian/HUNI)
44	(a) Milling / Dry Drum (Wooden) of Salwood or similar with accessories	8'x6' /8'x7' 8'x8'/10'x4'/10'x6' 12'x9'/10'x8'/10'x7'	Indigenous Indigenous Indigenous
	(b) Milling / Dry Drum (Wooden)	2000 x 1000mm, AMC / 2400 x 1800mm, AMC	Imported (Italian)

	(C)S.S. Dry Milling Drum with filtration of dust, control of temperature & humidity & chemical injection + other accessories	2600 x 1800mm	Indigenous (SIVTECH/ TECHNO CONCEPTS/RAMS INDIA/SIVAGAMI)
	(d) S.S. Dry Milling Drum with kit for chemicals inflow & other special features + accessories	2500 x 1650mm INOX 2500 Low Classic  3000 x 2000mm (ext.meas) PAJTEC "X-MILLING"	Imported (Italian/ERRETRE S.P.A) Imported (Italian/PAJUSCO TECHNOLOGIE)

NB: *Any machine other than those appearing in the above List, can be considered by Steering Committee on the recommendations of the PIUs.*

NB: *Self fabricated drums and paddles are not recommended for inclusion in the List of Machinery.*