



Republic of the Philippines
Department of Agriculture
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY
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PROJECT TITLE: Improved Mechanical Leaf Scraper for Red Spanish Pineapple (MPALS II)

COST ESTIMATE

SCOPE OF WORKS / SPECIFICATIONS		QUANTITY	UNIT	UNIT PRICE	TOTAL
A.					
I. MAIN FRAME ASSEMBLY					
Main Frame: 1"x1"x2mm tubular welded Electric motor Flatform: Steel plate, 6mm thick, welded to frame with bolts and nuts Chain support: 1/2" C-channel, 2mm thk G.I sheet Flatform leveler and stiffener: 1"X 1/8: thick flat bars with bolts and nuts		1	lot		
II. TRANSMISSION ASSEMBLY					
Prime mover: Electric motor Gear type, low speed, 1hp, 60hz, 220V, heavy duty can be electronically controlled Roller chain number 40, 20T sprocket with hub and ball bearings heavy duty; Shafting: 1" Dia. CRS		1	lot		
III. CONTROL SYSTEMS					
Capable to control or adjust the speed of electric motor; With emergency stop bottom switch; With On/Off bottom switch; With automatic and manual operation bottom switch; With LED lights indicator for stop and go mode; With electric motor current and overload protection; With forward and backward bottom switch; With stop bottom switch; With Digital Monitor With limiter switch to control the transmission assembly; All wirings, magnetic contactors, relays, fuse, Program Logic Computer, Voltage regulator and Variable frequency Drive (VFD) is included; With compact, secured and sleek panel box		1	lot		
IV. SLIDER GUIDE ASSEMBLY					
Main frame: Tubular 4"x4"x2.0mm. Stainless steel With connection for limiter switch and to the main frame		1	lot		
V. SLIDER ASSEMBLY					
Main frame: 1"x1"x2mm tubular welded with bushing; 5 sets Fabricated Bolts and Nuts; Tensioner: Compression spring OD:35mm; WD: 6mm, ID: 21, FL: 40mm with fabricated bolts for easy adjustment; Scraper arm lock: Flat bar 2"X1/8" thick; 4 sets of fabricated rollers with 4 pcs ball bearings, washer, nut and allen head screw;		1	lot		

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	VI. SCRAPER ARM ASSEMBLY Main frame: 1"x2"x2mm tubular welded with bushing; Blade: Stainless steel plate 6mm thickness with cover for leaf guide Scraper roller: With fabricated rollers with 4 pcs ball bearings, washer, nut and allen head screw and roller arm and tensioner to adjust the pressure of roller againsts the wood flatform Capable to adjuts the blade angle; Capable to collect the scraped non fibrous materials of leaves;	1	lot		
	VII. WOOD FLATFOM & LEAF LOCK ASSEMBLY Wood flatform: 50x1374mm Mahogany Perfectly plane and level surface; Leaf locker: Seemlesly lock the RSP leaves to the flatform with easy and simple move, With torsion spring and automatic clipping mechanism; With strong locking force;	1	lot		
	IX. TOOLS AND WASTE BIN Materials: 1.2 mm G.I sheet with commercially available handle and slider and with lock for tool drawer	2	sets		
	X. FINISHING a. Painting works Primer: Epoxy gray; Top coat: Acrylic paint Combination of color green, yellow and white glossy; Application: Spray; Applied putty at joint and welded connections for smooth finish b. Provision of Logo and nameplate	1	lot		
	XI. Calibration and Modification	1	lot		
		Total Material Cost			-
B.	Labor Cost (Machining, Cutting, Joining, Finishing, Painting and assembly)				-
C.	Delivery Cost (Metro Manila - Region 6 via RORO)				
		Total Direct Cost			-
		Indirect Costs (17%)			-
		Taxes (12%)			-
		Total Contract Cost			-

PREPARED AND SUBMITTED BY:

NAME OF AUTHORIZED REPRESENTATIVE

NAME OF COMPANY

DATE: