

PROJECT : DESIGN AND DEVELOPMENT OF MECHANICAL PINEAPPLE LEAF SCRAPER

BILL OF MATERIALS/COST ESTIMATES

PARTICULARS		QUANTITY	UNIT	UNIT PRICE	AMOUNT
I. FABRICATION OF MAIN FRAME, SLIDER ASSY & SCRAPER ASSY.					
	Tubular, 1"X 1" x 1.2mm, MS	7	length		
	Flat bar, 1 1/2" X 1/4", MS	2	pc		
	Flat bar, 2"X1/4", MS	2	pc		
	Stud bolt M12x1m, ordinary	1	length		
	Allen type screw, M12x 150mmL, stainless steel	6	set		
	Allen type screw, M6x38mmL , with nuts and washer, stainless steel	20	set		
	Hexagonal bolt and nut and lock washer, M12 x 1-1/2" high tensile	30	set		
	Nuts and flat washer for M12 bolt	60	pcs		
	Ball bearing, 6201, japan	16	pcs		
	Bushings, OD: 25, ID: 12, 50mmL	5	pcs		
	Flat bar, 1 1/2" X 1/4", SS (Scraper blade)	2	m		
	Cut-off wheel, 4"dia	10	pcs		
	Grinding disc, 4"dia	10	pcs		
	Welding electrode, 3/32, assorted	3	kg		
	Step drill bit, 4-32mm	3	pcs		
	Drill bit, 12mm dia., metal	3	pcs		
	Drill bit, 10mm dia., metal	3	pcs		
	Drill bit, 6mm dia., metal	4	pcs		
	Drill bit, 5mm dia., metal	4	pcs		
	Compression spring, 4mm dia. rod	1	set		
II. FABRICATION OF PINEAPPLE LEAVES PLATFORM					
	Good Lumber, 2" X 8'X10', S4S, Hard wood	1	pcs		
	Pineapple leaf lock assy.	1	assy		
III. TRANSMISSION ASSY.					
	1500W, 48-60V, BLDC / E bike electric motor, high torque, with controller, botton controls for direction of rotation, heavy duty	1	lot		
	Roller chains # 40	7	m		
	Sprockets, 40B32	2	pc		
	Idlers sprockets, 40B	2	pc		
	CRS shaft, 1" dia. X 3m	1	pc		
IV. FINISHING WORKS					
	Epoxy primer, gray	1	gal		
	Lacquer thinner	1	gal		
	Sand paper, assorted	30	pcs		
	Glossy enamel paint, quick dry, green	1	gal		
	Paint thinner	1	gal		
	Rugs	3	kg		
	Body filler,	1	l		

PARTICULARS		QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Vinyl sticker, 150mmX150mm, philfida logo	4	pcs		
	PhilFIDA sticker, vinyl waterproof, 3"x3"	1	pc		
V. DELIVERY/MODIFICATION					
	Modification and adjustments after testing	1	lot		
	Delivery at Fiber Processing and Utilization Laboratory, Visayas Avenue, Vasra Quezon City	1	lot		

- a. Total Material Cost**
- b. Total Labor Cost**
- c. Total Direct Cost (a+ b)**
- d. Total Indirect Cost**
- e. Taxes (12%)**
- f. Total Contract Cost (c+d+e)**

Submitted by:

Signature over printed name

Name of company: _____

Date signed: _____