



DETAILED ESTIMATES

PROJECT TITLE: PROPOSED ORGANIC AGRICULTURE RESEARCH AND DEVELOPMENT FACILITY

APPROVED BUDGET BY DA-BAR					
ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
I	TEMPORARY FACILITIES				
	Handtools	1.00	ls		
1	Foreman	3.00	days		
1	Skilled workers	3.00	days		
2	Laborers / Helpers	3.00	days		
	1/2" thk ord plywood	8.00	pcs		
	cocolumber	80.00	bf		
	ord G.I. sheet	24.00	lf		
	flush door	1.00	sets		
	wooden window	1.00	sets		
	asstd cw nails	1.00	kls		
	conc nails	0.50	kl		
	tie wire	4.00	kls		
	misc, hinges, lockset, other	1.00	ls		
II	OCCUPATIONAL SAFETY AND HEALTH				
1	First Aider	30.00	days		
	Safety Shoes	1.00	ls		
	Safety Helmet	1.00	ls		
	safety Gloves	1.00	ls		
	First Aid Kit	1.00	ls		
III	MOBILIZATION / DEMOBILIZATION				
1	service vehicle	2.00	days		
4	Laborers / Helpers	2.00	days		
IV	EXCAVATION WORKS	171.42	cu.m		
	Handtools	1.00	ls		
1	Foreman	10.00	days		
3	Skilled workers	10.00	days		
6	Laborers / Helpers	10.00	days		
V	BACKFILLING WORKS	144.78	cu.m		
1	water truck	1.00	days		
	Handtools	1.00	ls		
1	Foreman	4.00	days		
2	Skilled workers	4.00	days		
4	Laborers / Helpers	4.00	days		
VI	IMPORTED FILLING MATERIALS	111.06	cu.m		
1	water truck	1.00	days		
	Handtools	1.00	ls		
1	Foreman	2.00	days		
1	Skilled workers	2.00	days		
2	Laborers / Helpers	2.00	days		
	Filling Materials	111.06	cu.m		
VII	GRAVELFILL, 0.05m thk.	22.95	cu.m		
VIII	CONCRETE WORKS	120.95	cu.m		
1	one bagger concrete mixer	14.00	days		
	Handtools	1.00	ls		
	concrete vibrator	14.00	days		
1	Foreman	28.00	days		
4	Skilled workers	28.00	days		
10	Laborers / Helpers	28.00	days		
	cement	1,089.00	bags		
	sand	61.00	cu.m		
	gravel	121.00	cu.m		

IX	STRUCTURAL STEEL	12,830.19	kgs		
1	bar cutter	26.00	days		
1	bar bender	26.00	days		
	Handtools	1.00	ls		
1	Foreman	28.00	days		
2	Skilled workers	28.00	days		
2	Laborers / Helpers	28.00	days		
	rebars (grade 40)	12,831.00	kgs		
	tie wire	120.00	kgs		
X	FORMWORKS AND SCAFFOLDINGS				
	Handtools	1.00	ls		
1	Foreman	30.00	days		
2	Skilled workers	30.00	days		
4	Laborers / Helpers	30.00	days		
	1/2" thk ord plywood	16.00	pcs		
	cocolumber	2,000.00	bf		
	asstd cw nails	24.00	kls		
	conc nails	15.00	kls		
	tie wire	40.00	kls		
XI	MASONRY WORKS	868.41	sq.m		
	5" chb	10,850.00	pcs		
	cement	980.00	bags		
	sand	87.00	cu.m		
	rebars	3,600.00	kls		
	tie wire	80.00	kls		
	Handtools	1.00	ls		
1	Foreman	38.00	days		
5	Skilled workers	38.00	days		
6	Laborers / Helpers	38.00	days		
XII	DOORS AND DOOR JAMBS				
	Handtools	1.00	ls		
1	Foreman	8.00	days		
1	Skilled workers	8.00	days		
1	Laborers / Helpers	8.00	days		
	D1: 0.90 x 2.10 Panel dr w/ 2" x " dr. jamb	12.00	sets		
	D2: 1.80 x 2.10 Stl Wire Mesh dr	1.00	sets		
	D3: 0.60 x 2.10 PVC dr	7.00	sets		
	door lockset	19.00	pcs		
	3 1/2" x 3 1/2" lp hinges	22.00	pair		
	cw nails	5.00	kls		
	lockset for double door	1.00	pcs		
XIII	WINDOWS				
	Handtools	1.00	ls		
1	Foreman	6.00	days		
1	Skilled workers	6.00	days		
1	Laborers / Helpers	6.00	days		
	W1: 1.20 x 2.00 al sliding window	16.00	sets		
	W3: 0.50 x 0.50 al awning window	4.00	sets		
XIV	WATER LINES, DRAINAGE / SEWER LINES				
	Handtools	1.00	ls		
1	Foreman	8.00	days		
2	Skilled workers	8.00	days		
2	Laborers / Helpers	8.00	days		
	3/4" Φ PPR	20.00	pcs		
	ppr fittings	95.00	pcs		
	3" Φ pvc pipe (incl. downspout)	20.00	pcs		
	4" Φ pvc pipe	24.00	pcs		
	3" Φ pvc pipe fittings (incl. downspout elbow)	40.00	pcs		
	4" Φ pvc pipe	20.00	pcs		
	pvc solvent cement	12.00	lit		
	vulcaseal	15.00	lit		

	teflon tape	20.00	rolss		
XV	ELECTRICAL FIXTURES				
	10 Branches Main Panel Board	1.00	set		
	225 AT circuit breaker	1.00	pcs		
	15 AT circuit breaker	9.00	pcs		
	20 AT circuit breaker	34.00	pcs		
	30 AT circuit breaker	5.00	pcs		
	45 AT circuit breaker	1.00	pcs		
	60 AT circuit breaker	6.00	pcs		
	75 AT circuit breaker	1.00	pcs		
	6 Branches Panel Board	8.00	set		
	1-18w louver type lights	42.00	sets		
	4" dia downlights	24.00	pcs		
	1 gang switch	15.00	sets		
	2 gang switch	6.00	sets		
	wp double conv outlet	6.00	sets		
	a/c outlet	15.00	set		
	double conv outlet	52.00	sets		
	Handtools	1.00	ls		
1	Foreman	7.00	days		
2	Skilled workers	7.00	days		
2	Laborers / Helpers	7.00	days		
XVI	ELECTRICAL ROUGHING-INS				
	25 mm dia. Conduit	60	lm		
	50 mm dia. Conduit	350	lm		
	80 mm dia. Conduit	100	lm		
	1/2" dia flex hose	2	roll		
	3/4" dia flex hose	1	roll		
	22 mm² THHN CU	1	box		
	14 mm² THHN CU	50	lm		
	8 mm² THHN CU	50	lm		
	5.5 mm² THHN CU	3	box		
	3.5 mm² THHN CU	6	box		
	misc, utility box, junction box, elec tape,	1.00	ls		
	Handtools	1.00	ls		
1	Foreman	12.00	days		
2	Skilled workers	12.00	days		
2	Laborers / Helpers	12.00	days		
(MATERIALS and LABOR COST) SUB-TOTAL					
				PROFIT(10%) =	
				O.C.M (6%) =	
				VAT (12%) =	
TOTAL AMOUNT					
FOR SUPPLEMENTAL BUDGET					
ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
I	PLUMBING FIXTURES				
	water closet	5.00	sets		
	lavatory	4.00	sets		
	urinals	2.00	sets		
	4" x 4" s/s flr drain	7.00	pcs		
	ord water faucet	4.00	pcs		
	Handtools	1.00	ls		
1	Foreman	6.00	days		
2	Skilled workers	6.00	days		
2	Laborers / Helpers	6.00	days		
II	CEILING WORKS	488.00	sq.m		
	4.5 mm ficem	220.00	pcs		
	wall angle	380.00	m		
	metal furring	350.00	m		
	c-channel	480.00	m		
	w-clip	900.00	pcs		

	misc, b. rivets, others	1.00	ls		
	Handtools	1.00	ls		
1	Foreman	25.00	days		
2	Skilled workers	25.00	days		
4	Laborers / Helpers	25.00	days		
III	TILE WORKS	76.20	sq.m		
	Handtools	1.00	ls		
1	Foreman	8.00	days		
2	Skilled workers	8.00	days		
4	Laborers / Helpers	8.00	days		
	0.40 x 0.40 t & b flr tiles	480.00	pcs		
	cement	16.00	bags		
	tile adhesive	10.00	bags		
	sand	1.00	cu.m.		
	tile grout	10.00	bags		
IV	ROOFING & TINSMITHRY				
	Handtools	1.00	ls		
1	Foreman	7.00	days		
2	Skilled workers	7.00	days		
4	Laborers / Helpers	7.00	days		
	0.40 pre-painted gi. Roofing	566.00	l.m		
	0.40 pre-painted ridge roll	44.00	pcs		
	0.40 pre-painted gutter	55.00	pcs		
	2" x 2" angle bar	7,171.54	kgs		
	c-purlins / sagrods	3,387.59	kgs		
	welding rod	8.00	boxes		
	misc, paint, others	1.00	ls		
V	SEPTIC VAULT AND CATCH BASINS				
	5" chb	250.00	pcs		
	cement	28.00	bags		
	gravel	1.50	cu.m.		
	sand	2.00	cu.m.		
	rebars	140.00	kgs		
	formworks	1.00	ls		
	misc, clean-out	1.00	ls		
	Handtools	1.00	ls		
1	Foreman	3.00	days		
1	Skilled workers	3.00	days		
2	Laborers / Helpers	3.00	days		
(MATERIALS and LABOR COST) SUB-TOTAL					

PROFIT(10%) =
O.C.M (6%) =
VAT (12%) =

TOTAL AMOUNT

TOTAL PROJECT COST:

PREPARED BY:

NOTED BY:

AR. ROBERT O. AGUILAR, uap

Dr. Edmundo C. Tungol
Vice President, Admin and Finance

APPROVED BY:

Dr. Gregorio J. Rodis
University President

