PROJECT: CONSTRUCTION OF ANIMAL RESEARCH AND TESTING LABORATORY BUILDING

LOCATION: Visayas State University - Main Campus

OWNER : Visayas State University

SUBJECT : BILL OF MATERIALS AND COST ESTIMATES

			l	JNIT COST		TOTAL UNIT	TOTAL AMOUNT (DC)	OVERHEAD /CONT/ MISCEL			TOTAL BID AMOUNT
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/ EQUIP	COST (Direct)			TAX	PROFIT	
1.0 MOBILIZATION	1	lot									
									Sub-Tot	tal (1.0):	0.00
2.0 EARTHWORKS											
a. Excavation	1	lot									
b. Filling Materials (inside floor area)	1	lot									
c. Removal of Existing Structures	1	lot									
									Sub-Tot	tal (2.0):	0.00
3.0 FORMWORKS											
Forms and Scaffoldings (rental)	1	lot									
									Sub-Tot	tal (3.0):	0.00
4.0 CIVIL / STRUCTURAL & MASONRY WORKS											
a. Column Footings											
Cement, Portland	465	bags									
Sand, washed	39	cu.m									
Gravel, 3/4" Crushed	18	cu.m									
20 mm dia x 6meter def. bars	196	pcs									
16 mm dia x 6meter def. bars	4	pcs									
Tie Wire # 16	35	kilos									
									Sub-	Total:	0.00
b. Columns from footing to floor beams											
Cement, Portland	257	bags									
Sand, washed	17	cu.m									
Gravel, 3/4" Crushed	34	cu.m									
20 mm dia x 6meter def. bars	300	pcs									
16 mm dia x 6meter def. bars	12	pcs									
10 mm dia x 6meter def. bars	1123	pcs									
Tie Wire # 16	185	kilos									
									Sub-	Total:	0.00

			U	INIT COST		TOTAL UNIT	TOTAL	OVERHEAD			TOTAL DID
DESCRIPTION	QТY	UNIT	MATERIALS	LABOR	TOOLS/ EQUIP	COST (Direct)	AMOUNT (DC)	/CONT/ MISCEL	TAX	PROFIT	TOTAL BID AMOUNT
c. Tiebeams											
Cement, Portland	135	bags									
Sand, washed	6	cu.m									
Gravel, 3/4" Crushed	12	cu.m									
16 mm dia x 6meter def. bars	169	pcs									
10 mm dia x 6meter def. bars	247	pcs									
Tie Wire # 16	43	kilos							Sub-1	Fatali	0.00
d. Floor Beams									Sub-1	otar.	0.00
Cement, Portland	455	bags									
Sand, washed	19	cu.m									
Gravel, 3/4" Crushed	38	cu.m									
20 mm dia x 6meter def. bars	265	pcs									
16 mm dia x 6meter def. bars	42	pcs									
10 mm dia x 6meter def. bars	613	pcs									
Tie Wire # 16	79	kilos									
									Sub-7	Total:	0.00
e. Second Floor Slabs											
Cement, Portland	461	bags									
Sand, washed	18	cu.m									
Gravel, 3/4" Crushed	39	cu.m									
10 mm dia x 6meter def. bars	1331	pcs									
Tie Wire # 16	185	kilos									
									Sub-1	Total:	0.00
f. Columns up to Roof Beams											
Cement, Portland	290	bags									
Sand, washed	7	cu.m									
Gravel, 3/4" Crushed	14	cu.m									
16 mm dia x 6meter def. bars	167	pcs									
10 mm dia x 6meter def. bars	451	pcs									
Tie Wire # 16	46	kilos									
									Sub-1	Total:	0.00
g. Roof Beams											
Cement, Portland	185	bags									
Sand, washed	6	cu.m									

			UNIT COST			TOTAL UNIT	TOTAL	OVERHEAD			TOTAL BID
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/ EQUIP	COST (Direct)	AMOUNT (DC)	/CONT/ MISCEL	TAX	PROFIT	AMOUNT
Gravel, 3/4" Crushed	12	cu.m									
16 mm dia x 6meter def. bars	125	pcs									
10 mm dia x 6meter def. bars	214	pcs									
Tie Wire # 16	32	kilos									
									Sub-1	Total:	0.00
h. Concrete Fascia											
Cement, Portland	160	bags									
Sand, washed	7	cu.m									
Gravel, 3/4" Crushed	13	cu.m									
12 mm dia x 6meter def. bars	138	pcs									
10 mm dia x 6meter def. bars	297	pcs									
Tie Wire # 16	46	kilos									
									Sub-T	Total:	0.00
i. Concrete Flooring											
Cement, Portland	378	bags									
Sand, washed	16	cu.m									
Gravel, 3/4" Crushed	32	cu.m									
10 mm dia x 6meter def. bars @ 0.60m	254	pcs									
Tie Wire # 16	6	kilos									
									Sub-7	Total:	0.00
j. Stairs and Railings											
Cement, Portland	100	bags									
Sand, washed	5	cu.m									
Gravel, 3/4" Crushed	10	cu.m									
16 mm dia x 6meter def. bars	40	pcs									
12 mm dia x 6meter def. bars	35	pcs									
10 mm dia x 6meter def. bars	30	pcs									
Tie Wire # 16	10	kilos									
									Sub-7	Total:	0.00
k. Filing of CHB											
4" CHB	12000	pcs									
Cement, Portland	510	bags									
Sand, washed	45	cu.m									
10 mm dia x 6meter def. bars	700	pcs									
Tie Wire # 16	40	kilos									

			UNIT COST			TOTAL UNIT	TOTAL	OVERHEAD			TOTAL BID
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/ EQUIP	COST (Direct)	AMOUNT (DC)	/CONT/ MISCEL	TAX	PROFIT	AMOUNT
									Sub-7	Total:	0.00
I. Cement Plastering .020 thk with Plain Cement Finish											
Cement, Portland	510	bags									
Sand, washed	40	cu.m									
									Sub-1		0.00
									Sub-Tot	tal (4.0):	0.00
5.0 Roof Framing											
2.0 mm thk x 50mm x 100mm x 6 m C Purlins	143	pcs									
1/4" x 2" x 2" x 6 meters Web Members	331	pcs									
10mm dia x 6 meters, Sagrods	68	pcs									
16mm dia x 6 meter	26	pcs									
16mm dia turn buckles	26	pcs									
Welding Rod, Fuji	6	boxes									
Cut Off Blade	30	pcs									
Red Oxide Primer	25	gals									
									Sub-Tot	tal (5.0):	0.00
6.0 Roofing											
0.40mm Multi Rib Pre Painted Long Span Roofing, White	495	ln.m									
Texscrew Metal 2"	3592	pcs									
Ridge Roll	40	pcs									
Valley Gutter	7	pcs									
									Sub-Tot	tal (6.0):	0.00
7.0 Ceiling Frames and Boards (Second Floor)											
Hardiflex Lite	140	pcs									
Carrying Channel	56	pcs									
Double Furring	300	pcs									
W Clip	420	pcs									
Hardiflex Screw	1500	pcs									
Blind Rivets	6	box									
Concrete Nails	1	kilos									
									Sub-Tot	tal (7.0):	0.00
8.0 Hallway Steel Railings											
1-1/2 dia x 6m G.I. Pipe Schedule 40	14	pcs									
1/2" x 1/2" x 6 meters sq. bars	105	pcs									
Welding Rod, Fuji	0.5	box									

			ι	JNIT COST		TOTAL UNIT	TOTAL	OVERHEAD /CONT/ MISCEL			TOTAL BID
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/ EQUIP	COST (Direct)	AMOUNT (DC)		TAX	PROFIT	AMOUNT
									Sub-Tot	al (8.0):	0.00
9.0 Doors and Windows											
D1 complete with jambs, lock and accessories	4	pcs									
D2 complete with jambs, lock and accessories	12	sets									
D3 complete with jambs, lock and accessories	11	sets									
D4 complete with jambs, lock and accessories	8	set									
W1 with 3/16" thk clear glass, complete with locks and	_										
accessories. Steel casement	6	set									
W1 with 3/16" thk clear glass, complete with locks and	7	set									
accessories. Steel casement	,	set									
W1 with 3/16" thk clear glass, complete with locks and	3	set									
accessories. Steel casement		300									
W1 with 3/16" thk clear glass, complete with locks and	1	set									
accessories. Steel casement W1 with 3/16" thk clear glass, complete with locks and											
accessories. Steel casement	1	set									
W1 with 3/16" thk clear glass, complete with locks and					1						
accessories. Steel casement	6	set									
									Sub-Tot	tal (9.0):	0.00
10.0 Electrical Wires and Fixtures											0.00
65 mm. dia. Schedule 80, Conduit (PVC) pipe with coupling					1						
	15	L									
50 mm. dia. Schedule 80, Conduit (PVC) pipe	1	L									
40 mm. dia. Schedule 80, Conduit (PVC) pipe	1	L									
20 mm. dia. schedule 40, Conduit (PVC) pipe	360	L									
15 mm. dia. schedule 40, Conduit (PVC) pipe (fire alarm)	70	L									
65 mm. dia. Schedule 80, elbow (PVC)	2	pcs									
50 mm. dia. Schedule 80, elbow (PVC)	2	pcs									
40 mm. dia. Schedule 80, elbow (PVC)	2	pcs									
65 mm. dia. Schedule 80, locknut and bushing (PVC)	2	pcs									
50 mm. dia. Schedule 80,locknut and bushing (PVC)	2	pcs									
40 mm. dia. Schedule 80, locknut and bushing (PVC)	2	pcs									
Octagonal box with cover	270	pcs									
PVC Solvent	8	pcs									
Pull Box, Tie Wire, Support and Hangers, PVC Cup	1	lot									
100 mm2 THHN/THW stranded wire	150	mtrs									
60 mm2 THHN/THW stranded wire	6	mtrs									

			L	INIT COST		TOTAL UNIT	TOTAL	OVERHEAD			TOTAL BID AMOUNT
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/ EQUIP	COST (Direct)	AMOUNT (DC)	/CONT/ MISCEL	TAX	PROFIT	
38 mm2 THHN/THW stranded wire	6	mtrs									
5.5 mm2 THHN/THW stranded wire	4	boxes									
3.5 mm2 THHN/THW stranded wire	17	boxes									
3.5 mm2 TW (G) stranded wire	8	boxes									
Duplex convenience receptacle outlet with ground prong	51	pcs.									
GFCI receptcle outlet	6	pcs.									
ACCU outlet with ground prong	16	pcs.									
Range outlet	1	рс									
1 Gang switch	13	pcs.									
2 Gang switch	8	pcs.									
3 Gang switch	7	pcs.									
Three way 1 gang switch	2	pcs.									
Three way 2 gang switch	4	pcs.									
Three way 3 gang switch	4	pcs.									
Utility Box	106	pcs									
Electrical Tape	15	pcs									
Fittings	1	lot									
PVC Solvent	8	pcs									
Panel MDP: 200A PANEL with 4-3phase branches, 5 holes (with grounding termination)	1	set									
MAIN: 200AT/200AF,3P,25KAIC at 240V MCCB											
Branches :											
Panel "LP": 100A PANEL with 24-single phase branches, 25 holes (with grounding termination) MAIN: 80AT/80AF,3P,18KAIC, at 240V MCCB	1	set									
Branches:											
20 - 20AT,10KAIC,2P,MCCB											
1 - 40AT,10KAIC,2P,MCCB											
Panel "PP" : 150A PANEL with 19 holes (with grounding termination)	1	set									
MAIN: 150AT/150AF,3P,18KAIC, at 240V MCCB											
Branches :											
18 - 30AT,10KAIC @ 240V,2P,MCCB											
									Sub-Tota	al (10.0):	0.00
11.0 Plumbing											
a. Sewer Lines	1	lot									

			l	UNIT COST		TOTAL UNIT	TOTAL	OVERHEAD			TOTAL DID
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/ EQUIP	COST (Direct)	AMOUNT (DC)	/CONT/ MISCEL	TAX	PROFIT	TOTAL BID AMOUNT
b. Water Lines	1	lot									
									Sub-Tota	al (11.0):	0.00
12.0 Concrete Counters, Tiles for (CR Floor and wall, Shower Ro	om Floor a	nd Wall, cou	unters, Washin	g Room Coun	iter Only) ar	nd Fixtures					
Water Closet without Lavatory, good quality	6	set									
Lavatory for Counter Type, Rectangular	10	set									
0.30 x 0.30 Floor Tiles, Unskid	510	pcs									
0.30 x 0.30 Wall Tiles	1250	pcs									
Cement, Portland	10	bags									
Sand	0.5	cu.m									
Gravel	1	cu.m									
10mm dia x 6 meter def bars	45	pcs									
Tie Wire # 16	2	kilos									
Tile Adhesive	15	bags									
Tile Grout	8	bags									
Floor Drain Strainer	8	pcs									
									Sub-Tota	al (12.0):	0.00
13.0 Septic Tank											
Cement, Portland	40	cu.m									
Sand, washed	3	cu.m									
Gravel, 3/4" Crushed	1	pcs									
4" CHB	349	pcs									
10 mm dia x 6meter def. bars gr. 60	50	pcs									
Tie Wire # 16	5	pcs									
4" PVC Tee	4	pcs									
4" PVC Clean Out Cap	4	рс									
4" dia x 3 meters PVC Pipe	2	pcs									
Formworks	1	lot									
									Sub-Tota	al (13.0):	0.00
					TOTAL BI	D PRICE:				C	.00

Submitted by:	
	Bidder