



UNIVERSITY OF THE PHILIPPINES MANILA
Campus Planning, Development and Maintenance Office
 Padre Faura St. Ermita, Manila 1000, Philippines
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PROJECT : PROPOSED RENOVATION OF ANIMAL LABORATORY

LOCATION : National Institutes of Health
 University of the Philippines Manila

SUBJECT : BIDFORM

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
1.00	GENERAL REQUIREMENTS				
	Mobilization & Demobilization	1.00	lot		
	Scaffolding, warehouse, board ups, canvass/temporary covering and safety signages	1.00	lot		
	Permits and Clearances	1.00	lot		
	Health and Safety (PPE, Medkit, Medical check-up/testing as required for new normal etc.)	1.00	lot		
	Demolition of existing ceiling, partition and other obstacles including hauling and disposal of debris weekly	1.00	lot		
	Hauling of existing equipment and furniture to designated area withing UP Manila and construction of storage (partitions and coverings)	1.00	lot		
	Dismantling of spiral staircase, existing wall, concrete counter	1.00	lot		
	Dismantling existing doors & windows	1.00	lot		
	TOTAL GENERAL REQUIREMENTS				
2.00	CIVIL WORKS				
	EARTHWORKS				
	Excavation	10.55	cu.m		
	Backfilling	6.97	cu.m		
	Filling material	9.12	m ³		
	Sub-Total				
	STRUCTURAL WORKS				
	Steel Works				
	ST 2" x 6 x 1/4" x 20'	7.00	pcs		
	W8 x 15	2.00	pcs		
	L 2" x 2" x 6.00m	2.00	pcs		
	L 1-1/2" x 1-1/2" x 6.00m	3.00	pc		
	0.25 x 0.35 x 12mm Base plate	3.00	pc		
	0.20 x 0.25 x 12mm Base plate	6.00	pcs		
	16mmø x 300mm Anchor bolt	12.00	pcs		

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	12mmø Expansion bolt	36.00	pcs		
	Welding, acetelyne etc	1.00	lot		
	Sub-Total				
	Concrete Works				
	Cement	85.00	bag(s)		
	Sand	4.00	cu.m		
	Gravel	8.00	cu.m		
	Gravel bedding	1.50	cu.m		
	Sub-Total				
	Reinforcing Steel bars				
	16mmø x 6.00m	83.00	pc(s)		
	12mmø x 6.00m	8.00	pc(s)		
	10mmø x 6.00m	151.00	pc(s)		
	# 16 Tie wires	20.00	kg(s)		
	Sub-Total				
	Concrete topping/Plastering Works				
	Cement	5.00	bag(s)		
	Sand	0.50	cu.m		
	Sub-Total				
	Masonry Works				
	6" x 8" x 16" CHB	725.00	pcs		
	Cement	41.00	bags		
	Sand	1.50	cu.m		
	10mmø RSB	94.58	kgs		
	# 16 Tie wire	2.00	kgs		
	Sub-Total				
	Plastering				
	Cement	35.00	bags		
	Sand	3.50	m³		
	Sub-Total				
	Trusses				
	L 2" x 2" x 6.00m	10.00	pcs		
	2" x 4" x 6.00m C Purlins	4.00	pcs		
	12mmø sag rod @ mid span	2.00	pcs		
	12mmø Cross brace	2.00	pcs		
	0.20 x 0.25 x 12mm Base plate	6.00	sets		
	12mmø Expansion bolt	24.00	pcs		
	Sub-Total				
	Tinsmithry				
	Pre-painted Ord. Corrugated sheet	17.00	m²		
	Fascia board, 12mm x300mm x 2.40m	4.00	pcs		
	Fascia bd. Frame	1.00	lot		
	Teckscrew	1.00	box		
	Bended materials	1.00	lot		
	Sub-Total				

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	DUMB WAITER				
	Earthworks				
	Excavation	1.66	m³		
	Backfilling	0.97	m³		
	Disposal of excess excavated material	0.69	m³		
	Preparation Works				
	Chipping works	1.00	lot		
	Removal of windows	1.00	lot		
	Steel Works				
	W6 x 15	4.00	pcs		
	W6 x 12	6.00	pcs		
	0.25 x 0.35 x 12mm Base plate	4.00	pcs		
	16mmø x 300mm Anchor bolt	16.00	pcs		
	Welding, acetelyne etc	1.00	lot		
	Concrete Works				
	Cement	35.00	bags		
	Sand	1.50	m³		
	Gravel	3.00	m³		
	Gravel bedding	2.00	m³		
	Concrete topping/Plastering Works				
	Cement	5.00	bags		
	Sand	0.50	m³		
	Reinforcing Steel bars				
	16mmø x 7.50m	10.00	pcs		
	16mmø x 6.00m	8.00	pcs		
	12mmø x 7.50m	6.00	pcs		
	10mmø x 7.50m	4.00	pcs		
	10mmø x 6.00m	42.00	pcs		
	# 16 Tie wires	7.00	kgs		
	Masonry Works				
	6" CHB	40.00	pcs		
	Cement	3.00	bags		
	Sand	0.25	m³		
	10mmø RSB	5.25	kgs		
	# 16 Tie wire	0.50	kgs		
	Reinforcing Steel Bars (Wall footing)				
	10mmø x 6.00m RSB	6.00	pcs		
	# 16 Tie wire	0.50	kg		
	Sub-Total				
	TOTAL CIVIL WORKS				

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
3.00	ARCHITECTURAL WORKS				
	Windows				
	(W-1) 6mm thk. tempered tinted/ frosted glass, awning window in aluminum powder coated finish including all accessories labor and tools Dimension: 2.30m (W) x 1.90m (H)	1.00	set(s)		
	(W-2) 6mm thk. tempered tinted/ frosted glass, awning window in aluminum powder coated finish including all accessories labor and tools Dimension: 1.50m (W) x 0.60m (H)	2.00	set(s)		
	(W-3) 6mm thk. tempered tinted/ frosted glass, awning window in aluminum powder coated finish including all accessories labor and tools Dimension: 1.18m (W) x 0.60m (H)	1.00	set(s)		
	(W-4) 6mm thk. tempered tinted/ frosted glass, awning window in aluminum powder coated finish including all accessories labor and tools Dimension: 0.76m (W) x 0.60m (H)	1.00	set(s)		
	(W-5) 6mm thk. tempered tinted/ frosted glass, awning window in aluminum powder coated finish including all accessories labor and tools Dimension: 0.48m (W) x 0.60m (H)	1.00	set(s)		
	Sub-Total				
	Doors				
	D-1 refurbishing and repainting works of doors with provision door closer and replacement of complete door accessories	5.00	units		
	D-2 single panel steel flush door GA# 18 thk.; jamb; # 16 thk complete w/ stainless push & pull handle, stainless butterfly ball bearing hinges, honeycomb insulation door closer and mortise type flush bolt/tubular deadbolt lockset laminated finish metal door req'd. set: 2 set	2.00	units		
	D-3 single panel wooden flush door, painted, complete with door accessories	4.00	units		
	D-4 single panel wooden flush door, painted, complete with door accessories	1.00	units		
	Sub-Total				
	Flooring Works				
	Supply and installation of 2mm thk rolled vinyl sheets with antibacterial property including all preparation, floor leveling, welding rod and all necessary accessories for proper termination and installation.	69.39	sq.m.		
	Supply and installation of 300mmx300mm ceramic tiles	16.48	sq.m.		
	Floor tile toppings	16.48	sq.m.		
	Floor tile adhesive	4.00	bags		
	Tile grout	5.00	bags		
	supply and installation of stair nosing	23.00	lm		
	Sub-Total				
	Ceiling Works				
	4.5mm thk. fiber cement board on 600mm x600 mm o.c metal furring paint finish	85.87	sq.m.		
	Sub-Total				

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	Partition Works				
	4" CHB wall in plain cement finish Painted	120.00	sq.m		
	Sub-Total				
	Painting Works				
	Painting of interior walls and ceilings	325.87	sq.m.		
	Painting of wall of stairs	25.00	sq.m.		
	Sub-Total				
	SUPPLY AND INTALLATION OF FURNITURE				
	STAFF TABLE 1 3/4" marine plywood in high pressure laminated(hpl) in 2"x2" tubular frame, painted dimension info: 2400 mm(L) x 400 mm(W) x 850mm(H)	1.00	set(s)		
	STAFF TABLE 2 3/4" marine plywood in high pressure laminated(hpl) in 2"x2" tubular frame, painted dimension info: 1200 mm(L) x 400 mm(W) x 850mm(H)	1.00	set(s)		
	STAFF CHAIR height adjsutable tilting headrest seat: height adjsutablearm: height adjustment armrest; back: high; base: nylon base with castor in black finish upholstery: backrest in black mesh & seat in black fabric finish	4.00	set(s)		
	CENTER TABLE 16 mm thick, acid, heat, stain, scratch and chemical resistant solid phenolic resin counter top powder coated metal base frame and legs and two (2) unit mobile pedestal 1740mm(L) x 890mm(W) x 850mm(H)	1.00	set(s)		
	SIDE TABLE WITH HANGING CABINET 16 mm thick, acid, heat, stain, scratch and chemical resistant solid phenolic resin counter top powder coated metal base frame and legs and two (2) unit mobile pedestal hanging cabinet: glass swing door with highly pressurized laminated frame with adjustable shelves dimension info: side table 2890(L) x 600mm(W) x 900mm(H) ; hanging cabinet 2590(L) x 520 mm(W) x 900mm(H)	1.00	set(s)		
	COUNTER SINK 1 stainless counter w/ deep sink see sample and eyewash dimension info: 1660 mm(L) x 600mm(W) x 900mm(H)	1.00	set(s)		
	COUNTER SINK 2 stainless counter w/ deep sink see sample and eyewash dimension info: 2030 mm(L) x 600mm(W) x 900mm(H)	1.00	set(s)		
	Fire Safety Cabinet	1.00	set(s)		
	Sub-Total				
	TOTAL ARCHITECTURAL WORKS				

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
4.00	MECHANICAL WORKS				
	EQUIPMENT - Ground Floor				
	Air Conditioning				
	a. DX split type (inverter)				
	- FCU/ACCU GF-1 ceiling concealed ducted type (3.0 HP)	1.00	set/s		
	Ventilation				
	a. Exhaust fan (wall mounted propeller)	1.00	pc		
	- EF GF-1 (100 CFM @ 0.25" WG TSP)				
	b. Ceiling cassette	1.00	pcs		
	- EF GF-2				
	Air Conditioning Duct (including elbows, fittings, etc.)				
	a. G.I. sheet metal duct				
	- Ga. #26	21.00	sq. m.		
	- Ga. #24	45.00	sq. m.		
	b. Duct insulation	66.00	sq. m.		
	Fresh Air & Exhaust Duct (including elbows, fittings, etc.)				
	a. G.I. sheet metal duct	18.00	sq. m.		
	Ga. #26				
	b. PVC exhaust duct	6.00	m.		
	100 mm Ø				
	c. Air filters	1.00	lot		
	Grilles and Diffusers				
	- 250 x 250 SCD c/w OBD	3.00	pcs		
	- 200 x 200 SCD c/w OBD	1.00	pcs		
	- 400 x 400 RAG c/w OBD	1.00	pcs		
	- 200 x 200 Fresh Air Louver	1.00	pc		
	- 100 mm Ø vent cap	1.00	pcs		
	Refrigerant copper piping complete with insulation	1.00	lot		
	Condensate drain piping complete with insulation	1.00	lot		
	Hangers and Supports	1.00	lot		
	ELECTRICAL WORKS to include wires, switches, breakers, contactors, controllers, control timer, conduits, roughing-ins, etc. to make the system complete and operational	1.00	lot		
	MISCELLANEOUS AND CONSUMABLES to include dismantling of existing mechanical works, and disposing, chipping, and restoration and testing & commissioning	1.00	lot		
	Sub-Total				
	EQUIPMENT - Second Floor				
	Air Conditioning				
	a. DX split type (inverter)				
	- FCU/ACCU 2F-1 ceiling concealed ducted type (3.0 HP)	1.00	set/s		
	- FCU/ACCU 2F-2A & 2B ceiling concealed ducted type (2.0 HP)	2.00	set/s		

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	Ventilation				
	a. Fresh air supply fan (compact axial in-line)				
	- SF 2F-1A & 1B (400 CFM @ 1.0" WG TSP)	2.00	pcs		
	b. Ceiling cassette exhaust fan				
	- EF 2F-2	1.00	pcs		
	- EF 2F-3	1.00	pcs		
	c. Compact axial exhaust fan				
	- EF 2F-1A & 1B (400 CFM @ 1.50" WG TSP)	2.00	pc		
	Air Conditioning Duct (including elbows, fittings, etc.)				
	a. G.I. sheet metal duct				
	- Ga. #26	25.00	sq. m.		
	- Ga. #24	30.00	sq. m.		
	b. Duct insulation	55.00	sq. m.		
	Fresh Air & Exhaust Duct (including elbows, fittings, etc.)				
	a. G.I. sheet metal duct				
	- Ga. #26	35.00	sq. m.		
	- Ga. #24	45.00	sq. m.		
	b. PVC exhaust duct				
	- 150 mm Ø	6.00	m.		
	c. Air Filters	1.00	lot		
	Grilles and Diffusers				
	- 250 x 250 SCD c/w OBD	2.00	pcs		
	- 200 x 200 SCD c/w OBD	4.00	pcs		
	- 400 x 400 RAG c/w OBD	1.00	pcs		
	- 250 x 250 RAG c/w OBD	2.00	pcs		
	- 400 x 400 Fresh Air Louver	2.00	pc		
	- 200 x 200 SAG c/w OBD	4.00	pcs		
	- 150 mm Ø vent cap	2.00	pcs		
	Refrigerant copper piping complete with insulation	1.00	lot		
	Condensate drain piping complete with insulation	1.00	lot		
	Hangers and Supports	1.00	lot		
	Supply and installation of Dumbwaiter including all necessary equipment, tools and accessories for the system.	1.00	unit(s)		
	Supply and installation of DZS065 Vacuum Pump complete with equipment, tools and accessories for the system	1.00	unit(s)		
	Testing And Commissioning	1.00	lot		
	ELECTRICAL WORKS to include wires, switches, breakers, contactors, controllers, control timer, conduits, roughing-ins, etc. to make the system complete and operational	1.00	lot		
	MISCELLANEOUS AND CONSUMABLES to include dismantling of existing mechanical works and disposing, chipping, and restoration	1.00	lot		
	Sub-Total				
	TOTAL MECHANICAL WORKS				

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
5.00	PLUMBING WORKS				
	Sanitary Works				
	Supply and installation of sanitary system including chipping works, tapping and all necessary tools and accessories to complete the system including sanitary for fumehood	1.00	lot		
	Waterline Works				
	Supply and installation of waterline system including chipping works, tapping and all necessary tools and accessories to complete the system including supply for fumehood	1.00	lot		
	TOTAL PLUMBING WORKS				
6.00	ELECTRICAL WORKS				
	Wires and Cables				
	3.5 mm ² THHN	10.00	box(s)		
	5.5 mm ² THHN	3.00	box(s)		
	8.0 mm ² THHN	184.00	mtr(s)		
	22 mm ² THHN	35.00	mtr(s)		
	60 mm ² THHN	105.00	mtr(s)		
	Sub-Total				
	Conduit Pipes and Accessories				
	20mmØ PVC conduit pipe with fittings and complete accessories	49.00	length(s)		
	32mmØ PVC conduit pipe with fittings and complete accessories	4.00	length(s)		
	40mmØ PVC conduit pipe with fittings and complete accessories	4.00	length(s)		
	60mmØ PVC conduit pipe with fittings and complete accessories	15.00	length(s)		
	Sub-Total				
	Circuit Breakers and Accessories				
	PPLO Main @ 75AT, 3 pole, 250V, 22KAIC with 12 branch circuits @ 2-15AT, 2 pole, & 10-20AT, 2 pole bolt-on type.	1.00	assy.		
	PB-VENT. Main @ 60AT, 3 pole, 250V, 18KAIC with 7 branch circuits @ 2-20AT, 2 pole, 2-30AT, 2 pole & 3-40AT, 2 pole bolt-on type.	1.00	assy.		
	DP Main @ 200AT, 3 pole, 250V, 35KAIC with 4 branch circuits @ 1-50AT, 3 pole, 1-60AT, 3 pole, 1-75AT, 3 pole & 1-30AT, 3 pole bolt-on type.	1.00	assy.		

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	40AT, 2 pole, NEMA 3R, ECB	2.00	unit(s)		
	30AT, 2 pole, NEMA 3R, ECB	2.00	unit(s)		
	200AT, 3 pole, NEMA 1 bolt-on type.	1.00	unit(s)		
	Dismantling of Existing Panel and feeder line including the relocation of existing branches	1.00	lot		
	Sub-Total				
	Wiring Devices and Lighting Fixtures				
	Recessed type LED Panel Daylight, 600x600mm, 35W, 230V	16.00	unit(s)		
	Recessed type LED Panel Daylight, 150x150mm, 12W, 230V	13.00	unit(s)		
	Emergency light 2-1.5W LED (22hrs)	4.00	unit(s)		
	Single convenience universal outlet grounding type	12.00	unit(s)		
	Duplex convenience universal outlet grounding type	19.00	unit(s)		
	One gang lighting switch	4.00	unit(s)		
	Two gang lighting switch	5.00	unit(s)		
	Three gang lighting switch	1.00	unit(s)		
	Ground Fault Circuit Interrupter Outlet	6.00	unit(s)		
	220V AC Electronic Light Switch Weekly Programmable LCD Digital Timer Electronic Switch Relay (Lightings and Motors switch)	4.00	set(s)		
	Push Button Timer Switch Indicator	2.00	set(s)		
	Contactor for 0.5hp motor (Exhaust and Fresh air motor)	2.00	set(s)		
	Sub-Total				
	Security and Alarm System				
	Supply and installation of RFID System and Door Alarm System including all accessories, testing and commissioning (for 2 doors)	1.00	lot		
	Sub-Total				
	Miscellaneous Items				
	copper ground rod 5/8" 3m	1.00	lot		
	Big Electrical Tape	20.00	roll(s)		
	Rubber Tape	10.00	roll(s)		
	GI Wire	5.00	kilo(s)		
	Hanger & Support	1.00	lot		
	Testing and commissioning	1.00	lot		
	Sub-Total				
	TOTAL ELECTRICAL WORKS				

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
SUMMARY					
1.00	GENERAL REQUIREMENTS			PhP	_____
2.00	CIVIL WORKS				_____
3.00	ARCHITECTURAL WORKS				_____
4.00	MECHANICAL WORKS				_____
5.00	PLUMBING WORKS				_____
6.00	ELECTRICAL WORKS				_____
SUB-TOTAL COST				PhP	_____
VAT @ 12.00%					_____
TOTAL PROJECT COST				PhP	_____
Amount in Words : _____					

Note:					
*Indirect Cost (OCM, & Profit) included per item unit cost					
*Power and water consumption are included in mark up (indirect cost)					

By the act of submitting this bid, I/we hereby confirm that I/we:

- a) have inspected the site
- b) determined the characteristics of the contract works and the conditions for this project
- c) examined all instructions, forms, terms and project requirements in the Bidding Documents
- d) was/were given the opportunity to submit queries at least ten(10) calendar days before the submission of bids
- e) have examined and agreed to the correctness of the Bill of Quantities

Submitted by:

Name and Signature: _____

Company Name: _____

Position: _____

Date: _____