Republic of the Philippines University of the Philippines Mindanao Mintal, Tugbok District, Davao City Telefax 293-0016 www.upmin@edu.ph

Contract Reference Number:

Name of the Contract: CENTER FOR ADVANCEMENT OF RESEARCH IN MINDANAO (CARIM PH.3),IMPROVEMENT OF CARIM PH.2 AND REPAIR OF CARIM PH.1

Location of the Contract: UP Mindanao Campus, Mintal, Tugbok District, Davao City

Standard Form Number:

APPROVED BUDGET FOR CONTRACT

CONSTRUCTION of CENTER FOR ADVANCEMENT OF RESEARCH IN MINDANAO (CARIM PH.3) IMPROVEMENT OF CARIM PH.2 AND REPAIR OF CARIM PH.1

Number of Storey: 2		
Floor Area :	Contract Duration:	365 C.D

				BILL OF C	UANTITI	ES						
				Estimated Direct	Mark-ups	in Percent	Tot	al Mark Up	VAT	Total Indirect	Total Cost	Unit Cost
Item No.	Description	Qty	Unit	Cost	осм	Profit	%age	Value	VAI	Cost	Total Cost	Unit Cost
				0031	COW	TTOIL	/lage	10	11	12	13	14
		1	2	6	7	8	9	7+8	5% x (6 + 10)	10+ 11	6 + 12	(13) / (1)
1.0	GENERAL REQUIREMENTS											
	Offices, Shops, Storage and Workmens Accomodation for											
	Contractor	12.00	Mo.									
	Medical Room and First aid Facilities	12.00	Mo.									
	Permits and Clearances	1.00	lot									
	Project Billboard/ Sign Board	12.00	Мо									
	Occupational Safety and Health Program	12.00	Мо									
	Mobilization/Demobilization	1.00	lot									
	Removal of Existing Structures and Obstruction	1.00	lot									
8.0	TopoGraphic Survey Works (1.0 meter interval)	2.60	Ha									
A.	CONSTRUCTION OF CARIM PH.3											
2.0	SITEWORKS- LAND DEVELOPMENT											
9.0	Clearing ,Layout,Staking	1.00	lot									
10.0	Soil Poisoning	1.00	lot									
11.0	Hauling and Waste Disposal	1.00	lot									
11.1	Installation of Cyclone wire on tension wire chain link fence	591.00	Lin.m									
11.2	Landscaping Works	7,800.00	sqm									
	P-1 Axonopus Compressus Frog Grass	120,000.00	pcs									
	P-2 Philodendron Selloum	250.00	pcs									
	P-3 Yellow Lanatana	350.00	pcs									
	P-4 Yellow Ginger - 24 pcs	24.00	pcs									

	T T				Mark-ups	in Percent	Tota	al Mark Up		Total Indirect	T (15)	
Item No.	Description	Qty	Unit	Estimated Direct	· · · ·	5	Value VAI Cost		Total Cost	Unit Cost		
		.,		Cost	ОСМ	Profit	%age	10	11	12	13	14
	P-5 Orange Caballero - 24 pcs	24.00	pcs									1
	P-6 Areca Palm	30.00	pcs									
	P-7 Bird of Paradise	60.00	pcs									
	P-8 Morning Glory	120.00	pcs									
	P-9 Bamboo	45.00	pcs									+
	T-1 Banaba (Lager Stroemia Speciosa)	6.00	pcs									1
	T-2 Lucida Buceras	30.00	pcs									
	T-3 Foxtail Palm Tree	50.00	pcs									+
	Garden Soil	140.00	cu.m									+
3.0	STRUCTURAL WORKS											
***	Structural Excavation	220.27	011.00				1		l			
	Backfilling/Filling and Compaction	238.37 180.00	cu.m									+
												+
	Earthfill and Compaction	775.00 88.84	cu.m									-
	Gravel Bedding		cu.m									+
	Formworks (columns, beams and Slab) Scaffolding Works	1,270.08	sq.m				1					-
	Reinforcement	9,161.00 37,869.26	bd.ft									+
			kgs									+
	Concrete Works	356.16	cu.m									
4.0	MASONRY WORKS											
	6" CHB incl Reinforcement	933.54	sq.m									
	4" CHB incl Reinforcement	604.00	sq.m.									
	PLASTERING	3,075.08	sq.m.									
22.1	WATERPROOFING	192.25	SQ.M									
5.0	ARCHITECTURAL WORKS											
	BREEZE BLOCKS with Reinforced Concrete Frame and											
23.0	channel support	121.34	sq.m.									
24.0	Floor Concrete Finish Densifier System (RetroPlating)	882.96	sq.m.									
	30x30 CERAMICS FLOOR TILES	58.74	sq.m.									
27.0	PEBBLE WASHOUT	57.60	sq.m.									
28.0	EPOXY FLOOR PAINT FINISH	22.20	sq.m.									
29.0	30x30 Ceramics Wall Tiles	138.49	sq.m.									
6.0	CEILING WORKS		<u> </u>									
	9MM GYPSUM BOARD CEILING ON METAL FRAME	977.90	sq.m.						T			
	Moisture-Resistant Board for Toilets	88.70	sq.m.									+
		66.70	Sq.III.									
7.0	CARPENTRY WORKS					1			1			
	PANTRY KITCHEN (ShopMade) Complete with drawers and											
32.0	Accessories	9.50	sq.m.									
	OVERHEAD CABINET (Shopmade) Complete with drawers											
33.0	and Accessories	9.50	sq.m.									<u> </u>
.	20mm thk Pre-fab Urinal Partition including Hardware &	0.55										
	Accessories	8.00	cubicle						<u> </u>			
8.0	ROOFING FRAMING AND ROOFING WORKS											
34.0	ROOF FRAMING	1.00	lot					·				
	6mm thk Angular Bar	5,202.00	kgs.									
	50 x 175 x 2.0mm C-Purlins	273.00	pcs.									
	150x 250 x 16mm Base Plate	20.00	pcs.									
	20mmØ x 450mmL Anchor Bolts	80.00	pcs.									
	12mm MS Plate	1.00	pcs.									
	100mmØ G.I. Pipe, Sch. 40	2.00	pcs.									
	16mmØ Cross Bracing w/ T-buckle	493.00	kgs.									

					Mark-ups	in Percent	Tot	tal Mark Up		Total Indirect		T
Item No.	Description	Qty	Unit	Estimated Direct	•		1	Value	VAT	Cost	Total Cost	Unit Cost
	·	,		Cost	OCM	Profit	%age	10	11	12	13	14
	12mmØ Sagrods	347.00	kgs.									
	20 x 50 x 175 x2.00m Strut	15.00	pcs.									
	Welding Rods	14.00	box									
	Red Oxide	22.00	gals									
	Paint Brush	10.00	pcs.									
35.0	PRE-PAINTED ROOF, RIB-TYPE and BENDED ACCESSORIE	1,062.18	Lin.m									
	0.60mm Pre-painted, LS	890.00	lin.m									
	0.60mm Pre-painted, Gutter	161.46	lin.m									
	0.60mm Pre-painted, End Flushing	10.72	lin.m									
	Tekscrew	5,000.00	pcs.									
	Sealant	20.00	ctgs									
	Touch-up paint	4.00	can									
9.0	PAINTING WORKS											
	PAITING WORKS (EXTERIOR WALLS) -ACRYTEX PLAIN											
37.0	FINISH	1,648.00	sq.m.									
38.0	PAINTING WORKS (INTERIOR WALLS) - LATEX PLAIN FINISH	3,701.00	sq.m.									
10.0	DOORS & WINDOWS		·									
39.0	DOORS including hardware and Accessories	53.00	sets									*
	D-1: WOOD PANEL DOOR, SWING TYPE	8.00	sets									
	D-2: SLIDING DOOR	12.00	sets									
	D-3: WOOD PANEL DOOR, SWING TYPE	8.00	sets									
	D-4: SWING TYPE CUBICLE DOOR	10.00	sets									
	D-5: WOOD FLUSH DOOR, SWING TYPE	9.00	sets									
	D-6: AL GLASS SLIDING DOOR	4.00	sets									
	D-7: ALUMINUM SLIDING DOOR	2.00	sets									
	Smart Digital Door Lock- free RFID 1 Lever type	13.00	units									
40.0	WINDOWS including accessories	49.00	sets									
	W-1: Casement type window in clear glass	20.00	sets									
	W-2: Awning type window in clear glass	12.00	sets									
	W-3: Awning type window in clear glass	9.00	sets									
	W-4: Sliding type window in clear glass	4.00	sets									
	W-5: Fixed/Awning type window in clear glass	4.00	sets									
11.0	PLUMBING WORKS											
41.0	PLUMBING WORKS - ROUGHING-INS	1.00	lot									
	Storm drainage System	1.00	lot									
	Sewer System	1.00	lot									
	Water System (Cold and Rain)	1.00	lot									
	AC Drainage	1.00	lot									
42.0	PLUMBING FIXTURES	123.00	units									
	Water Closet	14.00	units									
	Urinals	6.00	units									
<u> </u>	Lavatory	12.00	units									
· ·	Bidet Faucets	14.00	units								·	
	Tissue Holder	14.00	units									
	Faucet	16.00	units									
	SS Kitchen Sink with Drain Board	4.00	units									
	PWD SS flip up Grab Bars w folding barrier	2.00	units									
	Single Vertical grab bar 450mm-L	8.00	units									
	Floor Drain with smell trap	16.00	units									
	Female Mirror 2.5m (w) x 1m (h)	2.00	unit									

		1			Mark-ups	in Percent	Tot	al Mark Up	I	Total Indirect		Т
Item No.	Description	Qty	Unit	Estimated Direct	•		1	Value	VAT	Cost	Total Cost	Unit Cost
	· ·	·		Cost	ОСМ	Profit	%age	10	11	12	13	14
	Male Mirror 1.3m (w) x 1m (h)	2.00	unit									
	PWD Mirror 0.6m (w) x 1m (h)	2.00	unit									
	Hand Dryer	6.00	unit									
	Water Fountain	5.00	units									1
42.1	SEPTIC TANK	1.00	Unit									1
42.2	POTABLE WATER CISTERN TANK	1.00	Unit									1
42.3	RAIN WATER CISTERN TANK	1.00	Unit									1
12.0	NON STRUCTURAL STEEL WORKS											
	NON STRUCTURAL STEEL WORKS	1.00	Lot						1			<u> </u>
40.0	Stair Railing, Roof Connection and Paint finish	9.00	lm									+
	Stair Frame Roof Connection	1.00	lot									+
	50 x 50 x 1.5mm Tubular	120.00	pcs.									+
	50 x 150 x 1.5mm Tubular	35.00	pcs.									+
	Downspout Cladding	9.00	units									+
	2x6 x 1.5mm C-Purlins	32.00	pcs.							+ +		+
	12mm MS Plate	2.00	pcs.									+
	1/2 x 4 Anchor Bolts	64.00	pcs.									+
	4 x 3/8 Flat Bar	10.00	pcs.									+
	Stainless hand grab Railing, 2"dia SS Rail	54.00	lm									+
	4" G.I. Post S-40, including pedestal	2.00	units									+
13.0	ELECTRICAL WORKS	2.00	urins									
		10 100 00				ı	1		1			
	ELECTRICAL WORKS (WIRES)	10,480.00	Lin.m									+
	ELECTRICAL WORKS (CONDUIT PIPE & FITTINGS)	1.00	lot									+
46.0	ELECTRICAL WORKS (LIGHTING FIXTURES)	398.00	SETS									
	8" Recessed Mounted Downlight 16watts coolwhite w/ frost											
	glass cover	52.00	sets									+
	6" Recessed Mounted Downlight 16watts coolwhite w/ frost	150.00										
	glass cover	150.00	sets									+
	1200mm x 300mm FL Fixture Recessed Mounted	0.00										
	Louver/Refelected type with 1-18watts Led tube Coolwhite	8.00	sets									+
	1200mm x 300mm FL Fixture Recessed Mounted	450.00										
	Louver/Refelected type with 2-18watts Led tube Coolwhite	152.00	sets									
	Emergency lights 2-15watts (22hrs)	36.00	sets									
46.1	ELECTRICAL WORKS (WIRING DEVICES)	306.00	pcs									
	One way switch 1 - gang	16.00	pcs									
	One way switch 2- gang	20.00	pcs									
	One gang 3 way switch	16.00	pcs									
	Duplex C.O. with ground (for Emergency light)	36.00	pcs									
	Duplex C.O. with ground	218.00	pcs									
	ELECTRICAL WORKS (BOXES)	1.00	lot									
48.0	ELECTRICAL WORKS(PANEL BOARD)	6.00	sets									
	PANEL PPLG3B-1 with 24-branches, 100AT main breaker,											
	3P, 230V	1.00	set									
	PANEL PPLG3B-2 with 24-branches, 100AT main breaker,	,										
	3P, 230V	1.00	set									
	PANEL PPBG3B-1-2 with 24-branches , 125AT main breaker ,											
	3P, 230V	1.00	set									
	PANEL PPBG3B-2-2 with 24-branches , 125AT main breaker ,											
	3P, 230V	1.00	set									
	PANEL PPACG3B-1 with 24-branches, 225AT main breaker,											
	3P, 230V	1.00	set									

					Mark-ups	in Percent	Tot	al Mark Up	VAT	Total Indirect	T-4-1 04	Unit Onet
Item No.	Description	Qty	Unit	Estimated Direct	ОСМ	Profit	0/	Value	VAT	Cost	Total Cost	Unit Cost
	·	-		Cost	ОСМ	Profit	%age	10	11	12	13	14
	PANEL PPACG3B-1 with 24-branches , 225AT main breaker ,											
	3P, 230V	1.00	set									
48.1	1.2KW Solar Power Panel w/ Hybrid Inverter	10.00	units									
	Solar Panel 320 Watts (Toshiba Brand)	40.00	pcs									
	5KVA Hyrbid Off/On Grid Inverter Built-in Automatic Transfer											
	Switching (ATS system	10.00	рс									
	Solar Cable Twin type 6.0mm Pure Cooper AWG	400.00	meters									
	Solar Battery 200AH (GEL TYPE Solar Battery) 8 Years											
	Workmanship (FREE 2pcs Battery)	40.00	pcs									
	Battery Cable 1.5M (black&Red) /Pair	40.00	pcs									
	Electric Wire, Fitting, Safety Devices Switch Control,MC4											
	Connector	1.00	lot									
	Solar Parallel Cnnetor, 8 ay Control Box anf others	1.00	lot									
49.0	Miscellaneous Materials	1.00	LOT									
	Metallic flexible conduits	300.00	lm									
	Metallic connector	300.00	pcs									
	Acrylic Exit Light Sign (Glow type)	6.00	pcs									
	Metal Gutter above Electrical Panels	1.00	lot									
	Ground Br/Rod 3m x 12mm dia.	2.00	pcs									
	Transformer, Poles and Wires and other Requirements	1.00	Lot									
	Electrical Concrete Pedestal	1.00	unit									
49.3	120 Watts Solar Perimeter Lights	12.00	unit									
	Perimeter Solar Light (120 Watts)	12.00	units									
	15 ft. Pole with Zinc Paint coated	12.00	untis									
	Battery LED with Accessories, Clamps andcables	1.00	lot									
14.0	MECHANICAL WORKS											
50.0	FIRE PROTECTION WORKS (ROUGH -INS)	1.00	LOT									
	Sprinkler Heads	160.00	pc/s									
	Coupling Reducer (B.I./Threaded/Sched.40)	160.00	pc/s									
	Travel and Droppings and fittings	54.00	Length									
	B.I Pipes for Riser Nipple	10.00	Length									
	90° Elbow (B.I./W&T/Sched.40)	150.00	pc/s									
	Tee Reducer (B.I./Threaded or Weldable/Sched.40)	120.00	pc/s									
	Tee Standard (B.I./Threaded/Sched.40)	80.00	pc/s									
	Coupling Reducer (B.I./T&W/Sched.40)	140.00	pc/s									
	90° Elbow (B.I./W&T/Sched.40)	200.00	pc/s									
	B.I Pipes for Branching	170.00	lgths									
	B.I Pipes for Cross Mains	28.00	lgths									
	End Cap/Blind Cap (B.I./Threaded/Sched.40)	8.00	pc/s									
	90° Elbow (B.I./W&T/Sched.40)	30.00	pc/s									
	Tee Standard (B.I./W&T/Sched.40)	16.00	pc/s									
	Slip-on Flange	80.00	pc/s									
	Fire Hose Cabinets and Accessories	4.00	set/s									
	OS & Y Gate Valve or FCV	2.00	pc/s									
	Slip-on Flange	8.00	pc/s									
	B.I. Pipe Riser (Wet & Drain) (50 and 100mm)	10.00	lgths									
	Water Flow Switch	2.00	pc/s									
	Supervisory Switch	2.00	pc/s									
	Ball Valve	2.00	pc/s									
	Sight Glass	2.00	pc/s									
	Union Patente	2.00	pc/s									
	Pressure gauge	2.00	pc/s									

					Mark-ups	in Percent	Tot	tal Mark Up	Ī	Total Indirect		
Item No.	Description	Qty	Unit	Estimated Direct	•		1	Value	VAT	Cost	Total Cost	Unit Cost
	2000	٦.,	•	Cost	ОСМ	Profit	%age	10	11	12	13	14
50.1	Pumps (supply and Installation)	1.00	lot									
	Jockey Pump & Accessories, NON-UL/FM including Control											
	panel & sensor	1.00	unit									
	Fire Pump & Accessories, NON-UL/FM including controller											
	Panel & sensor	1.00	unit									
51.0	AIR CONDITIONING EQUIPMENT	1.00	LOT									
	Ceiling Cassette Inverter, 4.0HP	12.00	unit									
	Wall Mounted Inverter, 1.5HP	6.00	unit									
	Wall Mounted Inverter, 0.75HP	12.00	unit									
52.0	VENTILATION SYSTEM	1.00	;LOT									
	Ceiling Cassette 200cfm Toilet Exhaust	12.00	unit									
	GA. 24 Sheet	100.00	sqm									
	Flexible Connector	10.00	length									
52.1	Electrical Supply, Breakers, Inclosure and Conduit	1.00	LOT									
15.0	AUXILLIARY WORKS											
	FIRE DETECTION ALARM SYSTEM(ROUGH-INS)	1.00	LOT				1					
	FIRE DETECTION ALARM SYSTEM (EQUIPMENT)	1.00	LOT									
33.1	Addressable Fire alarm Safety FDAS Control Panel 2 loop	1.00	LOT									
	24VDC w/ Telphone Dialer Extension Card	1.00	20									
	A. Smoke Detector	42.00	pc									
	A. Manual Call Point	42.00	pcs							1		
	Input /output Module 24VDC	4.00	pcs									
	GST NRP01 Network Repeater Panel	2.00	pcs									
	A.Fire Alarm Bell(Hord Strobe)		pcs									
	FDAS Power voltage regulator	4.00	pcs									
		1.00	рс									
	Strobe lights indecator (RED)	1.00	рс									
	Power supply back up with UPS 3KVA	1.00	рс									
	Sabre Smoke Tester	2.00	рс									
540	Others if any(Battery 7A, 12VDC)	2.00	pcs									
	CCTV ROUGHING-INS	1.00	LOT									
54.1	CCTV FIXTURES	1.00	LOT									
	IP Cameras (Dome Type) 2MP	18.00	units									
	Network Video Recorder (NVR) 18Chanl High Definition	4.00										
	Advance	1.00	unit									
	Gigabit PoE Switch 16Ports	1.00	set									
	Gigabit Switch Hub 16 Ports	1.00	set									
	Hard Drive / HDD 6TB	1.00	set									
	Monitor/led TV 42 Inch	1.00	set									
	HDMI Cables	1.00	lot									
	Connectors and Catenaries	1.00	lot									
	Uninterupted Power Supply (UPS)	1.00	set									
	LAN & TELEPHONE SYSTEM ROUGHING-INS	1.00	LOT									
56.0	Private Automated Branch Exchange (PABX)	1.00	LOT									
	PABX Main Panel Board Control	1.00	lot									
	System expansion BUS/daughter board	1.00	lot									
	Telephone Terminal Socket (single)	46.00	pcs			ļ						
	Master Telephone	2.00	pc									
	Analog / Digital Telephone	8.00	pcs									
	Pipes, Connectors Hangers, Supports & other materials	1.00	lot									
	Cateneraries, Links, Couplings, Box & Others	1.00	lot									
57.0	Backbone Subsystem, Cabinets and Accessories (DATA netwo	1.00	LOT									
	Network Swiutch 48 port 1000 /100/10 or SFP	1.00	lot									

16.0 S	Description Data Terminal Socket (single) RF Fingerprint Access Control Server manager panel Data Cabinet for Closed Type w/ Fan & PDU for IDF Server Cabinet Perforated, Closed Type w/ Fan & MDF 22U floor mounted Patch Panel 24 ports Other UTP Patch Cord Organizer Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	46.00 8.00 6.00 2.00 1.00 2.00 4.00 1.00 6.00 1.00 1.00 1.00	pcs pcs pcs unit unit pcs pcs ea. pcs lot lot	Estimated Direct Cost	OCM	Profit	%age	Value 10	VAT 11	Cost 12	Total Cost 13	Unit Cost
16.0 S	Data Terminal Socket (single) RF Fingerprint Access Control Server manager panel Data Cabinet for Closed Type w/ Fan & PDU for IDF Server Cabinet Perforated, Closed Type w/ Fan & MDF 22U floor mounted Patch Panel 24 ports Other UTP Patch Cord Organizer Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	46.00 8.00 6.00 2.00 1.00 2.00 4.00 1.00 6.00 1.00 1.00	pcs pcs unit unit pcs pcs ea. pcs lot lot	Cost	ОСМ	Profit	%age	10	11	12	13	14
16.0 S	RF Fingerprint Access Control Server manager panel Data Cabinet for Closed Type w/ Fan & PDU for IDF Server Cabinet Perforated, Closed Type w/ Fan & MDF 22U floor mounted Patch Panel 24 ports Other UTP Patch Cord Organizer Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	8.00 6.00 2.00 1.00 2.00 4.00 1.00 6.00 1.00 1.00	pcs pcs unit unit pcs pcs ea. pcs lot lot									
16.0 S	Server manager panel Data Cabinet for Closed Type w/ Fan & PDU for IDF Server Cabinet Perforated, Closed Type w/ Fan & MDF 22U floor mounted Patch Panel 24 ports Other UTP Patch Cord Organizer Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	6.00 2.00 1.00 2.00 4.00 1.00 6.00 1.00 1.00	pcs unit unit pcs pcs ea. pcs lot lot									
16.0 S	Data Cabinet for Closed Type w/ Fan & PDU for IDF Server Cabinet Perforated, Closed Type w/ Fan & MDF 22U floor mounted Patch Panel 24 ports Other UTP Patch Cord Organizer Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	2.00 1.00 2.00 4.00 1.00 6.00 1.00 1.00	unit unit pcs pcs ea. pcs lot lot									
16.0 S	Server Cabinet Perforated, Closed Type w/ Fan & MDF 22U floor mounted Patch Panel 24 ports Other UTP Patch Cord Organizer Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	1.00 2.00 4.00 1.00 6.00 1.00 1.00	unit unit pcs pcs ea. pcs lot lot									
16.0 S	Server Cabinet Perforated, Closed Type w/ Fan & MDF 22U floor mounted Patch Panel 24 ports Other UTP Patch Cord Organizer Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	2.00 4.00 1.00 6.00 1.00 1.00	pcs pcs ea. pcs lot									
16.0 S	floor mounted Patch Panel 24 ports Other UTP Patch Cord Organizer Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	2.00 4.00 1.00 6.00 1.00 1.00	pcs pcs ea. pcs lot									
16.0 S	Other UTP Patch Cord Organizer Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	4.00 1.00 6.00 1.00 1.00 1.00	pcs ea. pcs lot									
16.0 S	Cable Tray/Wireways Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	1.00 6.00 1.00 1.00	ea. pcs lot lot									
16.0 S	Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	6.00 1.00 1.00 1.00	pcs lot lot									
16.0 S	Pull Box Other Electrical Accessories Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	1.00 1.00 1.00	lot lot									
16.0 S	Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	1.00	lot									
16.0 S	Connectors, Labeling and Tagging Materials Catenaries and other materials needed IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass	1.00										1
16.0 S	IMPROVEMENT OF CARIM PH.2 SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass		lot									
16.0 S	SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass											
16.0 S	SITEWORKS- LAND DEVELOPMENT Landscaping P-1 Axonopus Compressus Frog Grass											
	Landscaping P-1 Axonopus Compressus Frog Grass											
	P-1 Axonopus Compressus Frog Grass	3,823.66	sqm									4
		41,825										
	P-2 Philodendron Selloum	250	pcs				1					1
	P-3 Yellow Lanatana	350	pcs				+ +					+
	P-4 Yellow Ginger - 24 pcs	24	pcs									+
	P-4 Yellow Giriger - 24 pcs P-5 Orange Caballero - 24 pcs	24	pcs				+					+
	P-5 Orange Capallero - 24 pcs P-6 Areca Palm	30	pcs				+					+
	P-6 Areca Paim P-7 Bird of Paradise	60	pcs				+					+
_	P-7 Bird of Paradise P-8 Morning Glory	120	pcs				+					+
	P-9 Bamboo	45	pcs				+					+
	T-1 Banaba (Lager Stroemia Speciosa)		pcs				+					+
	T-1 Banaba (Lager Stroemia Speciosa) T-2 Lucida Buceras	6 30	pcs				+ +					+
	T-3 Foxtail Palm Tree	50	pcs pcs				+ +					
	Garden Soil	90	cu.m				+					+
47.0		90	cu.m									
	ARCHITECTURAL WORKS					1			ı			(
	Floor Concrete Finish Densifier System (RetroPlating)	441.48	sq.m.									
	BREEZE BLOCKS	121.34	sq.m.									
	EPOXY FLOOR PAINT FINISH	22.20	sq.m.									
	DOORS including hardware and Accessories	7.00	sets									
	WINDOWS including accessories	5.00	sets									
18.0 P	PAINTING WORKS											
	PAINTING WORKS (INTERIOR WALLS) - LATEX PLAIN											
FI	FINISH	1,850.50	sq.m.									
19.0 P	PLUMBING WORKS											
Р	PLUMBING FIXTURES	22.00	units									
	PWD SS flip up Grab Bars w folding barrier	2.00	units									+
	Single Vertical grab bar 450mm-L	8.00	units									
	Female Mirror 2.5m (w) x 1m (h)	2.00	units									<u> </u>
	Male Mirror 1.3m (w) x 1m (h)	2.00	units									<u> </u>
	PWD Mirror 0.6m (w) x 1m (h)	2.00	units									1
	Hand Dryer	6.00	units									†
20.0 E	ELECTRICAL WORKS					<u> </u>						
	ELECTRICAL WORKS (LIGHTING FIXTURES)	25.00	SETS			T T						
	8" Recessed Mounted Downlight 16watts coolwhite w/ frost	25.00	JLIJ	+		1				+		+
	glass cover	7.00	sets									

				Estimated Direct	Mark-ups	in Percent	Tot	tal Mark Up	VAT	Total Indirect	Total Cost	Unit Cost
Item No.	Description	Qty	Unit	Cost	ОСМ	Profit	%age	Value	VAI	Cost	Total Cost	Offit Cost
				Cost	OCIVI	FIGH	/oage	10	11	12	13	14
	1200mm x 300mm FL Fixture Recessed Mounted											
	Louver/Refelected type with 1-18watts Led tube Coolwhite	8.00	sets									
	Hang type fluorescent lamp 2 x 16 watts	10.00	sets									
	Miscellaneous Materials	1.00	LOT									
	Metallic flexible conduits	300.00	lm									
	Metallic connector	300.00	pcs									
	Acrylic Exit Light Sign (Glow type)	6.00	pcs									
	Electrical Tape	1,000.00	pcs									
	Tie wires GA 16	20.00	kls									
	Metal Gutter above Electrical Panels	1.00	lot									
	Ground Br/Rod 3m x 12mm dia.	2.00	pcs									
21.0	MECHANICAL WORKS											
	AIR CONDITIONING EQUIPMENT	1.00	LOT									
	Ceiling Cassette Inverter, 4.0HP	4.00	unit									
	Wall Mounted Inverter, 1.5HP	3.00	unit									
	Wall Mounted Inverter, 0.75HP	4.00	unit									
C.	REPAIR OF CARIM PH.1											
22.0	OTHERS (REPAIR WORKS)											
	Selective Repair of Polycarbonate Roofing sheet at Porte											1
	Cochere	1.00	lot									
	Improvement of Ramp Access and Pebble washout Finishing	30.00	sq.m									
	Tactile Tiles Installation (300x300mm)	1.80	sq.m		-							
	Restoration works affected by Phase. 3	1.00	lot									
	Grand Total Cost											

NOTES:

The Bidder shall verify the quantities in this CEF and shall be responsible for its accuracy and completeness, in the same way that the Contractor shall be responsible for the accuracy and completeness of the BOQ, such that all items of work, quantities, materials, plant, tools, equipment

and labor to complete the Project shall be covered in his Bid. All items of work, materials, plant, tools, equipment and labor inadvertently missing in the CEF and the BOQ but called for in the Plans, Specifications and othe Bid Documents shall be provided by the Contractor at no extra cost

to the University. Submitted filled-up CEF's imply that the Bidder has verified all the items and the quantities and agrees that the CEF is in accordance with the Plans, Specifications and other Bid Documents. In addition, the Contractor is also required to submit a Detailed Unit Price Analysis (DUPA) for all cost items in the approved BOQ.

Finally, the Contractor is responsible for completing the Project in accordance with the Plans, Specifications and the other Bid Documents.

SUBMITTED BY:	Reviewed and Approved by:	Noted by
---------------	---------------------------	----------