Republic of the Philippines
University of the Philippines Mindanao
Mintal, Tugbok District, Davao City
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Contract Reference Number:
Name of the Contract: CONSTRUCTION OF POWER SUPPLY STATION, UP MINDANAO, DAVAO CITY
Location of the Contract: UP Mindanao Campus, Mintal, Tugbok District, Davao City
Standard Form Number:

APPROVED BUDGET FOR CONTRACT

CONSTRUCTION OF POWER SUPPLY STATION, UP MINDANAO, DAVAO CITY

Number of Storey:
Floor Area :

BILL OF QUANTITIES

Item No.	Description	Qty	Unit	Material Cost	Equipment Cost	Labor Cost	Estimated Direct Cost	Mark-ups in Percent		Total Mark Up Value	VAT	Total Indirect Cost	Total Cost	Unit Cost
								OCM	Profit	10	11	12	13	14
		1	2	3	4	5	6	7	8	7+8	5% x (6 + 10)	10+ 11	6 + 12	(13) / (1)
1.0	**GENERAL REQUIREMENTS**			-	-	-	-	-	-	-	-	-	-	
A1	Offices, Shops, Storage and Workmens Accomodation for Contractor	10.00	Mo.				-	-	-	-	-	-	-	-
	Field Office	*10.00*	*Mo.*											
	Temp. Bodega	*10.00*	*Mo.*											
B1	Medical and First aid Kit	10.00	Mo.				-	-	-	-	-	-	-	-
C1	Permits and Clearances (Complete set of Permits)	1.00	lot				-	-	-	-	-	-	-	-
D1	Project Billboard/ Sign Board	10.00	Mo				-	-	-	-	-	-	-	-
	Project Billboard/ Sign Board (2 unit)	*10.00*	*Mo*											
E1	Occupational Safety, Health Program & Activity	10.00	Mo				-	-	-	-	-	-	-	-
F1	Mobilization/Demobilization	1.00	lot				-	-	-	-	-	-	-	-
2.0	**BUILDING STRUCTURE AND OTHER COMPONENTS**			-	-	-	-	-	-	-	-	-	-	
S1	FOOTING/FOUNDATION	46.88	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*46.88*	*cu.m.*											
	Deformed Round Bar 16mm Ø	*112.00*	*lgths*											
	Deformed Round Bar 12mm Ø	*66.08*	*lgths*											
	Gravel Base	*14.82*	*cu.m.*											
	G.I. Tie Wire #16	*20.16*	*kgs*											
S2	FOOTING TIE BEAM	9.32	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*9.32*	*cu.m.*											
	Deformed Round Bar 16mm Ø	*241.92*	*lgths*											
	Deformed Round Bar 12mm Ø	*188.16*	*lgths*											
	Gravel Base	*32.26*	*kgs*											
	G.I. Tie Wire #16	*18.00*	*kgs*											
S3	COLUMN	19.01	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*19.01*	*cu.m.*											
	Deformed Round Bar 16mm Ø	*199.36*	*lgths*											
	Deformed Round Bar 10mm Ø	*280.00*	*lgths*											
	G.I. Tie Wire #16	*31.36*	*kgs*											
S4	SLAB ON GRADE	48.50	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*48.50*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*306.88*	*lgths*											
	Vapor Barrier - Polyethylene Sheet	*308.00*	*sq.m.*											
	Gravel Base	*24.25*	*cu.m.*											
	G.I. Tie Wire #16	*112.00*	*kgs*											
S5	MEZZANINE FLOOR SUSPENDED BEAM	13.82	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*13.82*	*cu.m.*											
	Deformed Round Bar 16mm Ø	*313.60*	*lgths*											
	Deformed Round Bar 10mm Ø	*221.76*	*lgths*											
	G.I. Tie Wire #16	*44.13*	*kgs*											
S6	MEZZANINE FLOOR SUSPENDED SLAB	12.32	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*12.32*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*300.16*	*lgths*											
	G.I. Tie Wire #16	*31.36*	*kgs*											
S7	ROOF BEAM	5.11	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	5.11	cu.m.											
	Deformed Round Bar 16mm Ø	152.32	lgths											
	Deformed Round Bar 10mm Ø	123.20	lgths											
	G.I. Tie Wire #16	20.38	kgs											
S8	RAMP	6.10	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*6.10*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*22.40*	*lgths*											
	G.I. Tie Wire #16	*8.96*	*kgs*											
S9	CONCRETE LEDGE	0.05	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Job site	*0.05*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*3.00*	*lgths*											
	G.I. Tie Wire #16	*1.00*	*kgs*											
S10	CONCRETE STAIR FOOTING	1.00	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi)	*1.00*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*5.00*	*lgths*											
	G.I. Tie Wire #16	*1.00*	*kgs*											
S11	FORMWORKS/SCAFFOLING	1.00	LOT				-	-	-	-	-	-	-	-
	Forms	*1.00*	*lot*											
	Scaffolding Rentals	*1.00*	*lot*											

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								OCM	Profit	10	11	12	13	14
S12	STEEL STAIRS	1.00	LOT				-	-	-	-	-	-	-	-
	C 12x20	*6.00*	*lgths.*											
	Angle Bar 1" x 1" x 1/4"	*12.00*	*lgths.*											
	Checkered Plate 4' x 8' x 4mm thk	*3.00*	*shts.*											
	Steel Tubular 2" x 2" x 1/4"	*2.00*	*lgths.*											
	Steel Tubular 1-1/2" x 1-1/2" x 1/4"	*6.00*	*lgths.*											
	Plain Round Bar 12mm Ø	*11.00*	*lgths.*											
S13	STEEL RAILING	1.00	LOT				-	-	-	-	-	-	-	-
	Steel Tubular 2" x 2" x 1/4"	*3.00*	*lgths.*											
	Steel Tubular 1-1/2" x 1-1/2" x 1/4"	*3.00*	*lgths.*											
	Steel Tubular 1" x 1" x 1/4"	*6.00*	*lgths.*											
S14	EXHAUST WINDOW	1.00	LOT				-	-	-	-	-	-	-	-
	Angle Bar 1" x 1" x 1/4"	*7.00*	*lgths.*											
	Steel Matting 4' x 8' x 3.5mm	*9.00*	*shts*											
	Screen Mesh	*19.00*	*sq.m.*											
S15	MISCELLANEOUS STEEL	1.00	LOT				-	-	-	-	-	-	-	-
	3.2mm dia. NIHON Welding Rod 6011	*50.00*	*kgs*											
	Consumables: Delivery & Oxygen./Acytelene	*1.00*	*lot*											
M1	4" THK MASONRY GROUND FLOOR WALLS	245.44	sq.M				-	-	-	-	-	-	-	-
	Concrete Hollow Blocks 4"	*3,068.00*	*pcs.*											
	Portland Cement	*130.00*	*bags.*											
	Sand	*10.68*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*215.00*	*lgths.*											
	G.I. Tie Wire No. 16	*13.00*	*kgs.*											
M2	PLASTERING GROUND FLOOR WALLS	490.88	sq.m				-	-	-	-	-	-	-	-
	Portland Cement	*135.00*	*bags.*											
	Sand	*7.62*	*cu.m.*											
M3	4" THK MASONRY MEZZANINE FLOOR WALLS	125.60	sq.m				-	-	-	-	-	-	-	-
	Concrete Hollow Blocks 4"	*1,570.00*	*pcs.*											
	Portland Cement	*69.00*	*bags.*											
	Sand	*6.00*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*121.00*	*lgths.*											
	G.I. Tie Wire No. 16	*7.00*	*kgs.*											
M4	PLASTERING MEZZANINE FLOOR WALLS	251.20	sq.m				-	-	-	-	-	-	-	-
	Portland Cement	*69.00*	*bags.*											
	Sand	*4.00*	*cu.m.*											
M5	4" THK MASONRY PARAPET WALL	86.40	sq.m				-	-	-	-	-	-	-	-
	Concrete Hollow Blocks 4"	*1,080.00*	*pcs.*											
	Portland Cement	*54.00*	*bags.*											
	Sand	*4.00*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*83.00*	*lgths.*											
	G.I. Tie Wire No. 16	*4.00*	*kgs.*											
M6	PLASTERING PARAPET WALLS	172.80	sq.m				-	-	-	-	-	-	-	-
	Portland Cement	*54.00*	*bags.*											
	Sand	*3.00*	*cu.m.*											
M7	4" THK MASONRY FIREWALLS	114.16	sq.m				-	-	-	-	-	-	-	-
	Concrete Hollow Blocks 4"	*1,427.00*	*pcs.*											
	Portland Cement	*114.00*	*bags.*											
	Sand	*10.00*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*101.00*	*lgths.*											
	G.I. Tie Wire No. 16	*6.00*	*kgs.*											
M8	PLASTERING FIREWALLS	228.32	sq.m				-	-	-	-	-	-	-	-
	Portland Cement	*66.00*	*bags.*											
	Sand	*4.00*	*cu.m.*											
R1	ROOF FRAMING	1.00	lot				-	-	-	-	-	-	-	-
	Angle Bar 2" x 2" x 1/4"	*101.00*	*lgths.*											
	Angle Bar 1-1/2" x 1-1/2" x 1/4"	*157.00*	*lgths.*											
	C-Purlins 2" x 4" x 1.5mm THK	*72.00*	*lgths.*											
	3.2mm dia. NIHON Welding Rod 6011	*67.00*	*kgs*											
	Consumables: Delivery & Oxygen./Acytelene	*1.00*	*lot*											
R2	TINSMITHRY (PRE PAINTED ROOF)	370.00	Lin.m				-	-	-	-	-	-	-	-
	Pre-painted G.I. Ribtype Roofing 0.50mm thk	*370.00*	*ln.m.*											
	Pre-painted G.I. Ridge Cap 0.40mm thk	*6.00*	*pcs*											
	Pre-painted G.I. Gutter 0.40mm thk	*11.00*	*pcs*											
	Pre-painted G.I. Flashing 0.40mm thk	*31.00*	*pcs*											
	Touch up Paint	*1.00*	*lot*											
	Tekscrew	*5,600.00*	*pcs*											
	Blind rivets	*3,920.00*	*pcs*											
DR1	DOORS	6.00	Sets				-	-	-	-	-	-	-	-
	D1: 330cm x 260cm Steel Roll Up Door	*5.00*	*set*											
	D2: 100cm x 210cm GA. 18 Metal Flush Steel Swing Door in 2"x6"xGA.16 Steel Door Jamb Incl. Accessories	*1.00*	*set*											
WD1	LOUVER BLOCK VENTILATION	1,344.00	pcs				-	-	-	-	-	-	-	-
	W1:15cm x 30cm x 15cm Louver Blocks	*192.00*	*pcs*											
	W4: 15cm x 30cm x 15cm Louver Blocks	*1,152.00*	*pcs*											
PA1	PAINTING WORKS -INTERIOR GROUND FLOOR	245.44	SQ.M				-	-	-	-	-	-	-	-
	Acrlylic Skimcoat	*21.00*	*gals*											
	Primer (Flat Latex)	*9.00*	*gals*											
	Putty (Spot)	*9.00*	*gals*											
	Topcoat	*14.00*	*gals*											
	Sand Paper (all Grits) A4 size	*50.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PA2	PAINTING WORKS -EXTERIOR GROUND FLOOR	245.44	SQ.M				-	-	-	-	-	-	-	-
	Acrlylic Skimcoat	*22.00*	*gals*											
	Primer (Acrytex Latex)	*9.00*	*gals*											
	Putty(Spot) - Acrytex cast	*9.00*	*gals*											
	Topcoat	*15.00*	*gals*											
	Thinning Solvent for Putty	*1.00*	*gals*											
	Thinning Solvent for Primer	*2.00*	*gals*											
	Sand Paper (all Grits) A4 size	*30.00*	*pcs*											

Item No.	Description	Qty	Unit	Material Cost	Equipment Cost	Labor Cost	Estimated Direct Cost	Mark-ups in Percent		Total Mark Up Value	VAT	Total Indirect Cost	Total Cost	Unit Cost
								OCM	Profit	10	11	12	13	14
	Waste cotton	*1.00*	*lot*											
PA3	PAINTING WORKS -INTERIOR MEZZANINE WALL	125.60	SQ.M				-	-	-	-	-	-	-	-
	Acrylic Skimcoat	*12.00*	*gals*											
	Primer (Flat Latex)	*5.00*	*gals*											
	Putty (Spot)	*5.00*	*gals*											
	Topcoat	*8.00*	*gals*											
	Sand Paper (all Grits) A4 size	*35.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PA4	PAINTING WORKS -EXTERIOR MEZZANINE WALL	125.60	SQ.M				-	-	-	-	-	-	-	-
	Acrylic Skimcoat	*15.00*	*gals*											
	Primer (Acrytex)	*6.00*	*gals*											
	Putty(Spot) Acrytex cast	*6.00*	*gals*											
	Topcoat	*10.00*	*gals*											
	Thinning Solvent for Putty	*1.00*	*gals*											
	Thinning Solvent for Primer	*2.00*	*gals*											
	Sand Paper (all Grits) A4 size	*30.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PA5	PAINTING WORKS -PARAPET EXTERIOR	172.80	SQ.M				-	-	-	-	-	-	-	-
	Acrylic Skimcoat	*20.00*	*gals*											
	Primer Acrytex	*8.00*	*gals*											
	Putty(Spot) Acrytex cast	*8.00*	*gals*											
	Topcoat	*14.00*	*gals*											
	Thinning Solvent for Putty	*1.00*	*gals*											
	Thinning Solvent for Primer	*2.00*	*gals*											
	Sand Paper (all Grits) A4 size	*35.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PA6	PAINTING WORKS -FIREWALL	228.32	SQ.M				-	-	-	-	-	-	-	-
	Waterproofing	*46.00*	*gals*											
	Primer Acrytex	*10.00*	*gals*											
	Putty(Spot) Acrytex cast	*10.00*	*gals*											
	Topcoat	*19.00*	*gals*											
	Thinning Solvent for Putty	*1.00*	*gals*											
	Thinning Solvent for Primer	*7.00*	*gals*											
	Sand Paper (all Grits) A4 size	*50.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PL1	STORM DRAINAGE PIPING SYSTEM	90.00	L.in.m				-	-	-	-	-	-	-	-
	6" dia. PVC Pipe	*12.00*	*lgths.*											
	4" dia. PVC Pipe	*18.00*	*lgths.*											
	4" dia. 90° Sanitary Elbow	*6.00*	*pcs.*											
	Catch Basin	*6.00*	*sets*											
3.0	**ELECTRICAL CENTRALIZED SUBSTATION AND MAIN SECONDARY POWER SUPPLY**			-	-	-	-	-	-	-	-	-	-	
EE1	LIGHTING AND POWER OUTLETS FOR THE SUBSTATION BUILDING	1.00	lot				-	-	-	-	-	-	-	-
	IP67 - Mariner Fluorescent Fixtures (2x 18WLed)	*56.00*	*sets*											
	Switch (3gang)	*3.00*	*sets*											
	Convenience Outlet (2gang-3pins)	*6.00*	*sets*											
	Welding Outlets	*1.00*	*sets*											
	3.5mm2 THHN Copper Wire	*8.00*	*m*											
	8.0mm2 THHN Copper Wire	*20.00*	*m*											
	14mm2 THW Copper Wire	*30.00*	*m*											
	Panelboard (Centermain, 6Branches)	*1.00*	*assembly*											
	Pipings, Boxes and Hangers	*1.00*	*lot*											
	Consumables	*1.00*	*lot*											
EE2	PRIMARY RECEIVING PEDESTAL TO MVSG-MAIN	1.00	lot				-	-	-	-	-	-	-	-
	Concrete Receiving Pedestal 0.40m x 0.80m x 4.50m	1.00	unit											
	15kV 3Ø-Primary Line Disconnector Switch	1.00	unit											
	90mmØ PVC Electrical Pipe (PNS1400)	24.00	length											
	90mmØ PVC Elbow (PNS1400)	8.00	pcs											
	Concrete Manhole 1.00m x 1.00m x 1.20m	1.00	pcs											
	40ft Concrete Pole	1.00	pcs											
	Concrete Encasement w/ deformed bars (0.40mx 0.80m x 6.00m)	6.00	LM											
	150mm2 XLPE Power Cable, 15kV capacity	90.00	m											
	100mm2 THW Copper Wire (green color)	30.00	m											
	15kV-Termination Kit (3M)	6.00	set											
	Terminal Eye-Long type (150mm2)	6.00	pcs											
	Terminal Eye-Long type (100mm2)	2.00	pcs											
	Consumables	1.00	Lot											
EE3	Intentionally Put in Blank						-	-	-	-	-	-	-	
	Concrete Receiving Pedestal 0.40m x 0.80m x 4.50m	*1.00*	*unit*											
	15kV 3Ø-Primary Line Disconnector Switch	*1.00*	*unit*											
	90mmØ PVC Electrical Pipe (PNS1400)	*24.00*	*length*											
	90mmØ PVC Elbow (PNS1400)	*8.00*	*pcs*											
	Concrete Manhole 1.00m x 1.00m x 1.20m	*1.00*	*pcs*											
	40ft Concrete Pole	*1.00*	*pcs*											
	Concrete Encasement w/ deformed bars (0.40mx 0.80m x 6.00m)	*6.00*	*LM*											
	150mm2 XLPE Power Cable, 15kV capacity	*90.00*	*m*											
	100mm2 THW Copper Wire (green color)	*30.00*	*m*											
	15kV-Termination Kit (3M)	*6.00*	*set*											
	Terminal Eye-Long type (150mm2)	*6.00*	*pcs*											
	Terminal Eye-Long type (100mm2)	*2.00*	*pcs*											
	Consumables	*1.00*	*Lot*											
EE4	MVSG TO 1 UNIT-2500kVA POWER DISTRIBUTION TRANSFORMER	1.00	lot				-	-	-	-	-	-	-	-
	Pre-Standing Untitized MVSG Panel with 3sets of MVSG-Main 630A,3P,15kV-Vaccuum Circuit Breaker (VCB), Draw Out Type	*1.00*	*unit*											
	100mm2 XLPE Power Cable, 15kV capacity	*120.00*	*m*											
	38mm2 THW Copper Wire (green color)	*40.00*	*m*											
	Galvanized Cable Tray with Hanger & Support (0.60m-width)	*10.00*	*LM*											
	15kV-Termination Kit (3M)	*6.00*	*set*											
	Terminal Eye-Long type (100mm2)	*12.00*	*pcs*											
	Terminal Eye-Long type (38mm2)	*4.00*	*pcs*											

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	2500kVA Distribution Transformer, 13.80kV / 0.460kV Delta-Wye Grounded, Oil Imerssed with Enclosure for Bushing Terminals (ABB Brand or Equivalent Brand)	*1.00*	*unit*											
	Consumables	*1.00*	*Lot*											
EE5	FROM DISTRIBUTION TRANSFORMER TO LVSG-MAIN & ATS-1/LVSG-1&2	1.00	lot				-	-	-	-	-	-	-	-
	LVSG-1/ ATS-1/MDP1 (Main: 1-4000A,3P,600V,100kAIC, ACB; Branches: 2 - 1600A, 2-400A & 1-300A MCCB)	*1.00*	*set*											
	LVSG-2/ATS-1/MDP2 (Main: 1-4000A,3P,600V,100kAIC, ACB; Branches: 1 - 2500A, 2-400A, 1-250A, 1-200A & 1-125A MCCB)	*1.00*	*unit*											
	Tie-Breaker w/ Electrical and Mechanical Interlocked @3200A,3P ACB	*1.00*	*set*											
	250mm2 THW Copper wire	*1,098*	*m*											
	100mm2 THW Copper wire	*600.00*	*m*											
	G.I.Fabricated Cable Tray w/ Hanger and support (0.60m width x 20LM)	*20.00*	*Lm*											
	Terminal Eye, Long type (250mm2)	*120.00*	*pcs*											
	Terminal Eye, Long type (100mm2)	*40.00*	*pcs*											
	Boxes and Splicing Box	*1.00*	*lot*											
	Consumables	*1.00*	*lot*											
EE6	ELECTRICAL GROUNDING SYSTEM	1.00	lot				-	-	-	-	-	-	-	-
	100mm2 Bare Copper Wire	*300.00*	*m*											
	Grounding Rod (3/4in x 10ft)	*8.00*	*pcs*											
	Grounding Pit w/ cover	*8.00*	*sets*											
	Exothermic Bonding Material	*1.00*	*lot*											
	Grounding Connector (3/4in dia)	*42.00*	*pcs*											
	Terminal Eye (100mm2)	*8.00*	*pcs*											
	Consumables	*1.00*	*Lot*											
4.0	**MECHANICAL WORKS**			-	-	-	-	-	-	-	-	-	-	
ME1	FIRE PROTECTION SYSTEM	15.00	Tanks	-	-	-	-	-	-	-	-	-	-	-
	HFC-236fa Ceiling Mounted 20LBS	*13.00*	*Tanks*											
	HFC-236fa Wheel Type 50LBS	*2.00*	*Tanks*											
	Hangers & Support	*1.00*	*lot*											
5.0	**AUXILLIARY WORKS**			-	-	-	-	-	-	-	-	-	-	
AU1	CLOSE CIRCUIT TELEVISON SYSTEM	13.00	units	-	-	-	-	-	-	-	-	-	-	-
	IP Camera (DOme Type) 3MP	*7.00*	*units*											
	IP Camera (Bullet Type) 3MP	*6.00*	*units*											
	Network video recorder (NVR) 16 Channel High Definition Advance	*1.00*	*set*											
	Gigabit Pot Switch 16 Ports	*1.00*	*pc*											
	Gigabit Pot Hub 16 Ports	*1.00*	*pc*											
	Hard Drive / HDD 6TB	*2.00*	*pcs*											
	Monitor/Led TV 32 Inch	*1.00*	*pc*											
	HDMI Cables	*1.00*	*pc*											
	UTP Cables and other Network Cables (Cat 6)	*5.00*	*box*											
	Uninterrupted Power Supply (UPS)	*1.00*	*pc*											
	Pipings, Connection Hangers and Supports	*1.00*	*lot*											
	Cateneraries, Links, couplings, bolts and others	*1.00*	*lot*											
	Other consumbales Materials and accessories	*1.00*	*lot*											
AU2	CCTV ROUGH INS	1.00	LOT											
AU3	FIRE DETECTION AND ALRAM SYSTEM (FDAS)	1.00	lot											
	Addressable Fire alarm Safety FDAS Control Panel 4 zone 24 VDC	*1.00*	*pc*											
	Smoke detector	*3.00*	*pc*											
	Heat detector	*6.00*	*pc*											
	Digital Manual call point	*3.00*	*pc*											
	Fire Alarm Sounder with Stroke Light	*3.00*	*pc*											
	Strobe light indicator	*1.00*	*pc*											
	TF Wire (Color Coding)	*4.00*	*pc*											
	Voltage regulator 500VA	*1.00*	*pc*											
	UPS Power Backup 1000VA	*1.00*	*pc*											
	Battery 7AH	*1.00*	*pc*											
	Smoke tester 150ml	*1.00*	*pc*											
	Pipings, Connection Hangers and Supports, Cateneraries, Links, couplings, bolts and others	*1.00*	*lot*											
	Others (Battery 7A, 12 VDC)	*1.00*	*pc*											
AU4	FDAS ROUGH INS	1.00	LOT											
	Grand Total Cost			-	-	-	-	-	-	-	-	-	-	

PREPARED BY:

Project : **CONSTRUCTION OF POWER SUPPLY STATION, UP MINDANAO, DAVAO CITY**
Reference No. :
Location : **UP Mindanao Campus, Brgy. Mintal, Tugbok District, Davao City**
Duration: **300 C.D**
Date: **28-Feb-22**

SUMMARY

Item No.	Description	Qty	Unit	Material Cost	Equipment Cost	Labor Cost	Estimated Direct Cost	Mark-ups in Percent		Total Mark Up Value	VAT	Total Indirect Cost	Total Cost	Unit Cost
								OCM	Profit					
1.0	**GENERAL REQUIREMENTS**			-	-	-	-	-	-	-	-	-	-	
A1	Offices, Shops, Storage and Workmens Accomodation for Contractor	10.00	Mo.				-	-	-	-	-	-	-	-
	Field Office	*10.00*	*Mo.*											
	Temp. Bodega	*10.00*	*Mo.*											
B1	Medical and First aid Kit	10.00	Mo.				-	-	-	-	-	-	-	-
C1	Permits and Clearances (Complete set of Permits)	1.00	lot				-	-	-	-	-	-	-	-
D1	Project Billboard/ Sign Board	10.00	Mo				-	-	-	-	-	-	-	-
	Project Billboard/ Sign Board (2 unit)	*10.00*	*Mo*											
E1	Occupational Safety, Health Program & Activity	10.00	Mo				-	-	-	-	-	-	-	-
F1	Mobilization/Demobilization	1.00	lot				-	-	-	-	-	-	-	-
2.0	**BUILDING STRUCTURE AND OTHER COMPONENTS**			-	-	-	-	-	-	-	-	-	-	
S1	FOOTING/FOUNDATION	46.88	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*46.88*	*cu.m.*											
	Deformed Round Bar 16mm Ø	*112.00*	*lgths*											
	Deformed Round Bar 12mm Ø	*66.08*	*lgths*											
	Gravel Base	*14.82*	*cu.m.*											
	G.I. Tie Wire #16	*20.16*	*kgs*											
S2	FOOTING TIE BEAM	9.32	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*9.32*	*cu.m.*											
	Deformed Round Bar 16mm Ø	*241.92*	*lgths*											
	Deformed Round Bar 12mm Ø	*188.16*	*lgths*											
	Gravel Base	*32.26*	*kgs*											
	G.I. Tie Wire #16	*18.00*	*kgs*											
S3	COLUMN	19.01	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*19.01*	*cu.m.*											
	Deformed Round Bar 16mm Ø	*199.36*	*lgths*											
	Deformed Round Bar 10mm Ø	*280.00*	*lgths*											
	G.I. Tie Wire #16	*31.36*	*kgs*											
S4	SLAB ON GRADE	48.50	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*48.50*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*306.88*	*lgths*											
	Vapor Barrier - Polyethylene Sheet	*308.00*	*sq.m.*											
	Gravel Base	*24.23*	*cu.m.*											
	G.I. Tie Wire #16	*112.00*	*kgs*											
S5	MEZZANINE FLOOR SUSPENDED BEAM	13.82	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*13.82*	*cu.m.*											
	Deformed Round Bar 16mm Ø	*313.60*	*lgths*											
	Deformed Round Bar 10mm Ø	*221.76*	*lgths*											
	G.I. Tie Wire #16	*44.13*	*kgs*											
S6	MEZZANINE FLOOR SUSPENDED SLAB	12.32	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*12.32*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*300.16*	*lgths*											
	G.I. Tie Wire #16	*31.36*	*kgs*											
S7	ROOF BEAM	5.11	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	5.11	cu.m.											
	Deformed Round Bar 16mm Ø	152.32	lgths											
	Deformed Round Bar 10mm Ø	123.20	lgths											
	G.I. Tie Wire #16	20.38	kgs											
S8	RAMP	6.10	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Pre-Mixed	*6.10*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*22.40*	*lgths*											
	G.I. Tie Wire #16	*8.96*	*kgs*											
S9	CONCRETE LEDGE	0.05	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi) Job site	*0.05*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*3.00*	*lgths*											
	G.I. Tie Wire #16	*1.00*	*kgs*											
S10	CONCRETE STAIR FOOTING	1.00	CU.M				-	-	-	-	-	-	-	-
	Concrete (3000psi)	*1.00*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*5.00*	*lgths*											
	G.I. Tie Wire #16	*1.00*	*kgs*											
S11	FORMWORKS/SCAFFOLING	1.00	LOT				-	-	-	-	-	-	-	-
	Forms	*1.00*	*lot*											
	Scaffolding Rentals	*1.00*	*lot*											
S12	STEEL STAIRS	1.00	LOT				-	-	-	-	-	-	-	-
	C 12x20	*6.00*	*lgths.*											
	Angle Bar 1" x 1" x 1/4"	*12.00*	*lgths.*											
	Checkered Plate 4' x 8' x 4mm thk	*3.00*	*shts*											
	Steel Tubular 2" x 2" x 1/4"	*2.00*	*lgths.*											

Item No.	Description	Qty	Unit	Material Cost	Equipment Cost	Labor Cost	Estimated Direct Cost	Mark-ups in Percent		Total Mark Up Value	VAT	Total Indirect Cost	Total Cost	Unit Cost
								OCM	Profit					
	Steel Tubular 1-1/2" x 1-1/2" x 1/4"	*6.00*	*lgths.*											
	Plain Round Bar 12mm Ø	*11.00*	*lgths.*											
S13	STEEL RAILING	1.00	LOT				-	-	-	-	-	-	-	-
	Steel Tubular 2" x 2" x 1/4"	*3.00*	*lgths.*											
	Steel Tubular 1-1/2" x 1-1/2" x 1/4"	*3.00*	*lgths.*											
	Steel Tubular 1" x 1" x 1/4"	*6.00*	*lgths.*											
S14	EXHAUST WINDOW	1.00	LOT				-	-	-	-	-	-	-	-
	Angle Bar 1" x 1" x 1/4"	*7.00*	*lgths.*											
	Steel Matting 4' x 8' x 3.5mm	*9.00*	*shts.*											
	Screen Mesh	*19.00*	*sq.m.*											
S15	MISCELLANEOUS STEEL	1.00	LOT				-	-	-	-	-	-	-	-
	3.2mm dia. NIHON Welding Rod 6011	*50.00*	*kgs.*											
	Consumables: Delivery & Oxygen/Acytelene	*1.00*	*lot*											
M1	4" THK MASONRY GROUND FLOOR WALLS	245.44	sq.M				-	-	-	-	-	-	-	-
	Concrete Hollow Blocks 4"	*3,068.00*	*pcs.*											
	Portland Cement	*130.00*	*bags.*											
	Sand	*10.68*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*215.00*	*lgths.*											
	G.I. Tie Wire No. 16	*13.00*	*kgs.*											
M2	PLASTERING GROUND FLOOR WALLS	490.88	sq.m				-	-	-	-	-	-	-	-
	Portland Cement	*135.00*	*bags.*											
	Sand	*7.62*	*cu.m.*											
M3	4" THK MASONRY MEZZANINE FLOOR WALLS	125.60	sq.m				-	-	-	-	-	-	-	-
	Concrete Hollow Blocks 4"	*1,570.00*	*pcs.*											
	Portland Cement	*69.00*	*bags.*											
	Sand	*6.00*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*121.00*	*lgths.*											
	G.I. Tie Wire No. 16	*7.00*	*kgs.*											
M4	PLASTERING MEZZANINE FLOOR WALLS	251.20	sq.m				-	-	-	-	-	-	-	-
	Portland Cement	*69.00*	*bags.*											
	Sand	*4.00*	*cu.m.*											
M5	4" THK MASONRY PARAPET WALL	86.40	sq.m				-	-	-	-	-	-	-	-
	Concrete Hollow Blocks 4"	*1,080.00*	*pcs.*											
	Portland Cement	*54.00*	*bags.*											
	Sand	*4.00*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*83.00*	*lgths.*											
	G.I. Tie Wire No. 16	*4.00*	*kgs.*											
M6	PLASTERING PARAPET WALLS	172.80	sq.m				-	-	-	-	-	-	-	-
	Portland Cement	*54.00*	*bags.*											
	Sand	*3.00*	*cu.m.*											
M7	4" THK MASONRY FIREWALLS	114.16	sq.m				-	-	-	-	-	-	-	-
	Concrete Hollow Blocks 4"	*1,427.00*	*pcs.*											
	Portland Cement	*114.00*	*bags.*											
	Sand	*10.00*	*cu.m.*											
	Deformed Round Bar 10mm Ø	*101.00*	*lgths.*											
	G.I. Tie Wire No. 16	*6.00*	*kgs.*											
M8	PLASTERING FIREWALLS	228.32	sq.m				-	-	-	-	-	-	-	-
	Portland Cement	*66.00*	*bags.*											
	Sand	*4.00*	*cu.m.*											
R1	ROOF FRAMING	1.00	lot				-	-	-	-	-	-	-	-
	Angle Bar 2" x 2" x 1/4"	*101.00*	*lgths.*											
	Angle Bar 1-1/2" x 1-1/2" x 1/4"	*157.00*	*lgths.*											
	C-Purlins 2" x 4" x 1.5mm THK	*72.00*	*lgths.*											
	3.2mm dia. NIHON Welding Rod 6011	*67.00*	*kgs.*											
	Consumables: Delivery & Oxygen/Acytelene	*1.00*	*lot*											
R2	TINSMITHRY (PRE PAINTED ROOF)	370.00	Lin.m				-	-	-	-	-	-	-	-
	Pre-painted G.I. Ribtype Roofing 0.50mm thk	*370.00*	*ln.m.*											
	Pre-painted G.I. Ridge Cap 0.40mm thk	*6.00*	*pcs*											
	Pre-painted G.I. Gutter 0.40mm thk	*11.00*	*pcs*											
	Pre-painted G.I. Flashing 0.40mm thk	*31.00*	*pcs*											
	Touch up Paint	*1.00*	*lot*											
	Tekscrew	*5,600.00*	*pcs*											
	Blind rivets	*3,920.00*	*pcs*											
DR1	DOORS	6.00	Sets				-	-	-	-	-	-	-	-
	D1: 330cm x 260cm Steel Roll Up Door	*5.00*	*set*											
	D2: 100cm x 210cm GA. 18 Metal Flush Steel Swing Door in 2"x6"xGA.16 Steel Door Jamb Incl. Accessories	*1.00*	*set*											
WD1	LOUVER BLOCK VENTILATION	1,344.00	pcs				-	-	-	-	-	-	-	-
	W1:15cm x 30cm x 15cm Louver Blocks	*192.00*	*pcs*											
	W4: 15cm x 30cm x 15cm Louver Blocks	*1,152.00*	*pcs*											
PA1	PAINTING WORKS -INTERIOR GROUND FLOOR	245.44	SQ.M				-	-	-	-	-	-	-	-
	Acrlylic Skimcoat	*21.00*	*gals*											
	Primer (Flat Latex)	*9.00*	*gals*											
	Putty (Spot)	*9.00*	*gals*											
	Topcoat	*14.00*	*gals*											
	Sand Paper (all Grits) A4 size	*50.00*	*pcs*											

Item No.	Description	Qty	Unit	Material Cost	Equipment Cost	Labor Cost	Estimated Direct Cost	Mark-ups in Percent		Total Mark Up Value	VAT	Total Indirect Cost	Total Cost	Unit Cost
								OCM	Profit					
	Waste cotton	*1.00*	*lot*											
PA2	PAINTING WORKS -EXTERIOR GROUND FLOOR	245.44	SQ.M				-	-	-	-	-	-	-	-
	Acrlylic Skimcoat	*22.00*	*gals*											
	Primer (Acrytex Latex)	*9.00*	*gals*											
	Putty(Spot) - Acrytex cast	*9.00*	*gals*											
	Topcoat	*15.00*	*gals*											
	Thinning Solvent for Putty	*1.00*	*gals*											
	Thinning Solvent for Primer	*2.00*	*gals*											
	Sand Paper (all Grits) A4 size	*30.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PA3	PAINTING WORKS -INTERIOR MEZZANINE WALL	125.60	SQ.M				-	-	-	-	-	-	-	-
	Acrlylic Skimcoat	*12.00*	*gals*											
	Primer (Flat Latex)	*5.00*	*gals*											
	Putty (Spot)	*5.00*	*gals*											
	Topcoat	*8.00*	*gals*											
	Sand Paper (all Grits) A4 size	*35.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PA4	PAINTING WORKS -EXTERIOR MEZZANINE WALL	125.60	SQ.M				-	-	-	-	-	-	-	-
	Acrylic Skimcoat	*15.00*	*gals*											
	Primer (Acrytex)	*6.00*	*gals*											
	Putty(Spot) Acrytex cast	*6.00*	*gals*											
	Topcoat	*10.00*	*gals*											
	Thinning Solvent for Putty	*1.00*	*gals*											
	Thinning Solvent for Primer	*2.00*	*gals*											
	Sand Paper (all Grits) A4 size	*30.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PA5	PAINTING WORKS -PARAPET EXTERIOR	172.80	SQ.M				-	-	-	-	-	-	-	-
	Acrylic Skimcoat	*20.00*	*gals*											
	Primer Acrytex	*8.00*	*gals*											
	Putty(Spot) Acrytex cast	*8.00*	*gals*											
	Topcoat	*14.00*	*gals*											
	Thinning Solvent for Putty	*1.00*	*gals*											
	Thinning Solvent for Primer	*2.00*	*gals*											
	Sand Paper (all Grits) A4 size	*35.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PA6	PAINTING WORKS -FIREWALL	228.32	SQ.M				-	-	-	-	-	-	-	-
	Waterproofing	*46.00*	*gals*											
	Primer Acrytex	*10.00*	*gals*											
	Putty(Spot) Acrytex cast	*10.00*	*gals*											
	Topcoat	*19.00*	*gals*											
	Thinning Solvent for Putty	*1.00*	*gals*											
	Thinning Solvent for Primer	*7.00*	*gals*											
	Sand Paper (all Grits) A4 size	*50.00*	*pcs*											
	Waste cotton	*1.00*	*lot*											
PL1	STORM DRAINAGE PIPING SYSTEM	90.00	Lin.m				-	-	-	-	-	-	-	-
	6" dia. PVC Pipe	*12.00*	*lgths.*											
	4" dia. PVC Pipe	*18.00*	*lgths.*											
	4" dia. 90° Sanitary Elbow	*6.00*	*pcs.*											
	Catch Basin	*6.00*	*sets*											
3.0	**ELECTRICAL CENTRALIZED SUBSTATION AND MAIN SECONDARY POWER SUPPLY**			-	-	-	-	-	-	-	-	-	-	
EE1	LIGHTING AND POWER OUTLETS FOR THE SUBSTATION BUILDING	1.00	lot				-	-	-	-	-	-	-	-
	IP67 - Mariner Fluorescent Fixtures (2x 18WLed)	*56.00*	*sets*											
	Switch (3gang)	*3.00*	*sets*											
	Convenience Outlet (2gang-3pins)	*6.00*	*sets*											
	Welding Outlets	*1.00*	*sets*											
	3.5mm2 THHN Copper Wire	*8.00*	*m*											
	8.0mm2 THHN Copper Wire	*20.00*	*m*											
	14mm2 THW Copper Wire	*30.00*	*m*											
	Panelboard (Centermain, 6Branches)	*1.00*	*assembly*											
	Pipings, Boxes and Hangers	*1.00*	*lot*											
	Consumables	*1.00*	*lot*											
EE2	PRIMARY RECEIVING PEDESTAL TO MVSG-MAIN	1.00	lot				-	-	-	-	-	-	-	-
	Concrete Receiving Pedestal 0.40m x 0.80m x 4.50m	1.00	unit											
	15kV 3Ø-Primary Line Disconnector Switch	1.00	unit											
	90mmØ PVC Electrical Pipe (PNS1400)	24.00	length											
	90mmØ PVC Elbow (PNS1400)	8.00	pcs											
	Concrete Manhole 1.00m x 1.00m x 1.20m	1.00	pcs											
	40ft Concrete Pole	1.00	pcs											
	Concrete Encasement w/ deformed bars (0.40mx 0.80m x 6.00m)	6.00	LM											
	150mm2 XLPE Power Cable, 15kV capacity	90.00	m											
	100mm2 THW Copper Wire (green color)	30.00	m											
	15kV-Termination Kit (3M)	6.00	set											
	Terminal Eye-Long type (150mm2)	6.00	pcs											
	Terminal Eye-Long type (100mm2)	2.00	pcs											
	Consumables	1.00	Lot											
EE3	Intentionally Put in Blank						-	-	-	-	-	-	-	

Item No.	Description	Qty	Unit	Material Cost	Equipment Cost	Labor Cost	Estimated Direct Cost	Mark-ups in Percent		Total Mark Up Value	VAT	Total Indirect Cost	Total Cost	Unit Cost
								OCM	Profit					
	Concrete Receiving Pedestal 0.40m x 0.80m x 4.50m	*1.00*	*unit*											
	15kV 3Ø-Primary Line Disconnector Switch	*1.00*	*unit*											
	90mmØ PVC Electrical Pipe (PNS1400)	*24.00*	*length*											
	90mmØ PVC Elbow (PNS1400)	*8.00*	*pcs*											
	Concrete Manhole 1.00m x 1.00m x 1.20m	*1.00*	*pcs*											
	40ft Concrete Pole	*1.00*	*pcs*											
	Concrete Encasement w/ deformed bars (0.40mx 0.80m x 6.00m)	*6.00*	*LM*											
	150mm2 XLPE Power Cable, 15kV capacity	*90.00*	*m*											
	100mm2 THW Copper Wire (green color)	*30.00*	*m*											
	15kV-Termination Kit (3M)	*6.00*	*set*											
	Terminal Eye-Long type (150mm2)	*6.00*	*pcs*											
	Terminal Eye-Long type (100mm2)	*2.00*	*pcs*											
	Consumables	*1.00*	*Lot*											
EE4	MVSG TO 1 UNIT-2500kVA POWER DISTRIBUTION TRANSFORMER	1.00	lot				-	-	-	-	-	-	-	-
	Pre-Standing Unitized MVSG Panel with 3sets of MVSG-Main 630A,3P,15kV-Vaccuum Circuit Breaker (VCB), Draw Out Type	*1.00*	*unit*											
	100mm2 XLPE Power Cable, 15kV capacity	*120.00*	*m*											
	38mm2 THW Copper Wire (green color)	*40.00*	*m*											
	Galvanized Cable Tray with Hanger & Support (0.60m-width)	*10.00*	*LM*											
	15kV-Termination Kit (3M)	*6.00*	*set*											
	Terminal Eye-Long type (100mm2)	*12.00*	*pcs*											
	Terminal Eye-Long type (38mm2)	*4.00*	*pcs*											
	2500kVA Distribution Transformer, 13.80kV / 0.460kV Delta-Wye Grounded, Oil Imerssed with Enclosure for Bushing Terminals (ABB Brand or Equivalent Brand)	*1.00*	*unit*											
	Consumables	*1.00*	*Lot*											
EE5	FROM DISTRIBUTION TRANSFORMER TO LVSG-MAIN & ATS-1/LVSG-1	1.00	lot				-	-	-	-	-	-	-	-
	LVSG-1/ ATS-1/MDP1 (Main: 1-4000A,3P,600V,100kAIC, ACB; Branches: 2 -1600A, 2-400A & 1-300A MCCB)	*1.00*	*set*											
	LVSG-2/ATS-1/MDP2 (Main: 1-4000A,3P,600V,100kAIC, ACB; Branches: 1 -2500A, 2-400A, 1-250A, 1-200A & 1-125A MCCB)	*1.00*	*unit*											
	Tie-Breaker w/ Electrical and Mechanical Interlocked @3200A,3P,ACB	*1.00*	*set*											
	250mm2 THW Copper wire	*1,098*	*m*											
	100mm2 THW Copper wire	*600.00*	*m*											
	G.I.Fabricated Cable Tray w/ Hanger and support (0.60m width x 20LM)	*20.00*	*Lm*											
	Terminal Eye, Long type (250mm2)	*120.00*	*pcs*											
	Terminal Eye, Long type (100mm2)	*40.00*	*pcs*											
	Boxes and Splicing Box	*1.00*	*lot*											
	Consumables	*1.00*	*lot*											
EE6	ELECTRICAL GROUNDING SYSTEM	1.00	lot				-	-	-	-	-	-	-	-
	100mm2 Bare Copper Wire	*300.00*	*m*											
	Grounding Rod (3/4in x 10ft)	*8.00*	*pcs*											
	Grounding Pit w/ cover	*8.00*	*sets*											
	Exothermic Bonding Material	*1.00*	*lot*											
	Grounding Connector (3/4in dia)	*42.00*	*pcs*											
	Terminal Eye (100mm2)	*8.00*	*pcs*											
	Consumables	*1.00*	*Lot*											
4.0	**MECHANICAL WORKS**			-	-	-	-	-	-	-	-	-	-	
ME1	FIRE PROTECTION SYSTEM	15.00	Tanks	-	-	-	-	-	-	-	-	-	-	-
	HFC-236fa Ceiling Mounted 20LBS	*13.00*	*Tanks*											
	HFC-236fa Wheel Type 50LBS	*2.00*	*Tanks*											
	Hangers & Support	*1.00*	*lot*											
5.0	**AUXILLIARY WORKS**			-	-	-	-	-	-	-	-	-	-	
AU1	CLOSE CIRCUIT TELEVISON SYSTEM	13.00	units	-	-	-	-	-	-	-	-	-	-	-
	IP Camera (DOme Type) 3MP	*7.00*	*units*											
	IP Camera (Bullet Type) 3MP	*6.00*	*units*											
	Network video recorder (NVR) 16 Channel High Definition Advance	*1.00*	*set*											
	Gigabit Pot Switch 16 Ports	*1.00*	*pc*											
	Gigabit Pot Hub 16 Ports	*1.00*	*pc*											
	Hard Drive / HDD 6TB	*2.00*	*pcs*											
	Monitor/Led TV 32 Inch	*1.00*	*pc*											
	HDMI Cables	*1.00*	*pc*											
	UTP Cables and other Network Cables (Cat 6)	*5.00*	*box*											
	Uninterrupted Power Supply (UPS)	*1.00*	*pc*											
	Pipings, Connection Hangers and Supports	*1.00*	*lot*											
	Catenerarics, Links, couplings, bolts and others	*1.00*	*lot*											
	Other consumbales Materials and accessories	*1.00*	*lot*											
AU2	CCTV ROUGH INS	1.00	LOT											
AU3	FIRE DETECTION AND ALRAM SYSTEM (FDAS)	1.00	lot											
	Addressable Fire Alarm Safety FDAS Control Panel 4 zone 24 VDC	*1.00*	*pc*											
	Smoke detector	*3.00*	*pc*											
	Heat detector	*6.00*	*pc*											
	Digital Manual call point	*3.00*	*pc*											
	Fire Alarm Sounder with Stroke Light	*3.00*	*pc*											
	Strobe light indicator	*1.00*	*pc*											

Item No.	Description	Qty	Unit	Material Cost	Equipment Cost	Labor Cost	Estimated Direct Cost	Mark-ups in Percent		Total Mark Up Value	VAT	Total Indirect Cost	Total Cost	Unit Cost
								OCM	Profit					
	TF Wire (Color Coding)	*4.00*	*pc*											
	Voltage regulator 500VA	*1.00*	*pc*											
	UPS Power Backup 1000VA	*1.00*	*pc*											
	Battery 7AH	*1.00*	*pc*											
	Smoke tester 150ml	*1.00*	*pc*											
	Pipings, Connection Hangers and Supports, Cateneraries, Links, couplings, bolts and others.	*1.00*	*lot*											
	Others (Battery 7A, 12 VDC)	*1.00*	*pc*											
AU4	FDAS ROUGH INS	1.00	LOT											
	Grand Total Cost			-	-	-	-	-	-	-	-	-	-	

PREPARED BY: