



BID BULLETIN NO. 7
Bid No. 22-033-06 Charlie

05 September 2021

This Supplemental/Bid Bulletin is issued to modify, amend or clarify items in the Bidding Documents for the **EXPANSION OF PASSENGER TERMINAL BUILDING AT DAVAO INTERNATIONAL AIRPORT.**

1. Attached in this bid bulletin are the following clarification on the following items:
 - a. **Section 8200: Baggage Handling System** – Hardware and Software included under Special Equipment
 - b. **Section 6900: Flight Information Display System** – The FIDS is Hardware Only. FIDS software shall come from the existing FIDS system. This must be coordinated with the existing FIDS supplier of DIA.
 - c. **Section 8300: Airport Security and Safety System**
 - E. Materials
 - Self Service Check In Kiosk** – Hardware including commissioning and testing to complete work under Special Equipment. Network cable is included under telecommunication.
2. Attached also in this bid bulletin are the following clear copies of the Detailed Breakdown of Component of Each Item Forms under Section VIII. Bill of Quantities.
3. For Requests for Legal Clearance/Certification may be submitted at legal.caap@gmail.com and contain the following information:
 - a. Name of Company
 - b. Address
 - c. Email address
 - d. Telephone / Cellphone Number
 - e. Contact Purpose
 - f. Purpose

Approved Legal Clearance/Certification will be sent to the email address of the requesting party. Electronic Legal Clearance/Certification submitted by the prospective bidder during the bid opening shall be accepted.

This Bid Bulletin should be included in the Technical Requirements and be marked accordingly. This serves as an integral part of the bidding documents of the project and non-inclusion of this Bid Bulletin in the Technical Requirements will constitute disqualification.

For the information and guidance of all concerned.

ATTY. ROBERTO MARTIN S. BUENAVENTURA
Vice Chairperson, Bids and Awards Committee

DETAILED BREAKDOWN OF COMPONENT OF EACH ITEM
Expansion of Passenger Terminal Building at Davao International Airport
Davao Airport, Daang Maharlika HWY, Buhangin, Davao City, Davao del Sur

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	WL. %	DIRECT COST			ESTIMATED DIRECT COST	MARK-UPS IN PERCENT			TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
(1)	(2)	(3)	(4)					(5)	(6)	(7)		(8)	(9) (5) x (8)	(10) 5% [(5) + (9)]	(11) (9) + (10)	(12) (5) + (11)	(13) (12) / (3)
SPL-1	Mobilization and Demobilization		1.s														
SUB - TOTAL																	
TOTAL OF MOBILIZATION AND DEMOBILIZATION																	
SECTION SERIES 1000 : GENERAL REQUIREMENTS AND CIVIL WORKS																	
SECTION 1120 : EMPLOYERS AND ENGINEERS FACILITIES																	
1.1	Provision of Field Office for The Engineer including Office, Staff house And Laboratory, & Electric, Water Bills (Minimum 250 Sq.M) Rental Basis	21.00	Mos.														
1.2	Provision of Furnitures/Fixture, Equipment & Appliances for the Field Office of The Engineer	1.00	Lump sum														
1.3	Operation and Maintenance of Field Office for the Engineer	21.00	Mos.														
1.4	Provide and Maintenance Communication Equipment for the Engineer	21.00	Mos.														
1.5	Project Sign Board	2.00	each														
SUB - TOTAL																	
SECTION 1130 : SAFETY, HEALTH, ENVIRONMENTAL MANAGEMENT AND MONITORING																	
1.1	Environmental Monitoring and Laboratory Testing	21.00	Mos.														
1.2	Safety and Health Requirements	21.00	Mos.														
SUB - TOTAL																	
SECTION 1165 : CONTRACTOR SUBMISSION																	
1.1	Progress Photograph	21.00	Mos.														
SUB - TOTAL																	
SECTION 1210 : PROJECT EQUIPMENT																	
1.1	Service Vehicle for the Engineer, Provide (2 Unit) Brand new Pick-up 4x2 Diesel Powered including operation and Maintenance.	21.00	Mos.														
1.2	Surveying Instruments (Including Support Staff)	21.00	Mos.														
SUB - TOTAL																	
SECTION 1400 : EARTHWORKS FOR SITE DEVELOPMENT AND BUILDING WORKS																	
110	Clearing and Grubbing	0.08	Has.														
101(1)a	Removal of existing office building	1.00	Is.														
101(1)b	Removal of existing Concrete Pavement	5,170.00	sq.m.														
101(5)c1	Removal of existing covered ditch	112.00	l.m.														
101(5)c2	Removal of existing sewer line	75.00	l.m.														
101(5)c3	Removal of existing storm drainage	30.00	l.m.														
102(1) b	Removal of existing fence	98.00	l.m.														
101(5) d1	Remove existing Potable water line	105.00	l.m.														
101(5) d2	Remove of existing fire protection water line	115.00	l.m.														
102(2)	Surplus Common Excavation	248.00	cu.m.														
103(3)a	Structure Excavation (Common Soil)	3,746.00	cu.m.														
104(1)	Embankment from Common Borrow	1,234.00	cu.m.														
104(6)	Granular Back Fill (Incl. filter stone and weep hole)	162.00	cu.m.														
104(7)	Backfill from Structure Excavation	2,459.00	cu.m.														
105(1)a	Subgrade Preparation	6,170.00	sq.m.														
SUB - TOTAL																	
SECTION 1500 : PAVEMENT WORKS																	
210	Granular Subbase Course	431.00	cu.m.														
280(2)	Portland Cement Concrete Pavement, 250 mm thick	420.00	sq.m.														

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
290	ReflectORIZED Pavement Marking	23.00	sq.m.														
SUB - TOTAL																	
SECTION 1600 : DRAINAGE WORKS																	
310 (1)	RCPC 460 mm	145.00	I.m														
310 (6)	Pipe Culvert and Drainage Excavation	242.00	cu.m.														
320 (1)	Curb Inlet Manhole	12.00	each														
320 (2)	Storm Drainage Manhole	19.00	each														
500 (3)c	Lined Canal , Stone Masonry Type V	75.00	I.m.														
SUB - TOTAL																	
SECTION 1700 : MISCELLANEOUS WORKS																	
410(1)	Curb and Gutter	281.00	I.m														
410(3)	Walkways, 100 mm thick	265.00	sq.m.														
SUB - TOTAL																	
SECTION 1800 : CONCRETE FOR STRUCTURES																	
Retaining Wall																	
220(1.1)	Structural Concrete, 28 Mpa	453.00	cu.m.														
220(2)a	Reinforcing Bars, Grade 40	8,902.00	kg.														
220(2)b	Reinforcing Bars, Grade 60	29,500.00	kg.														
SUB - TOTAL																	
TOTAL OF PART SECTION 1000 - GENERAL REQUIREMENTS AND CIVIL WORKS																	
SECTION SERIES 2000 : STRUCTURAL																	
SECTION 2100: STRUCTURAL CONCRETE WORK FOR BUILDING WORKS																	
In situ Concrete																	
1.1	Structural Concrete (f'c = 4000 psi)	1,898.00	cu.m.														
1.2	Structural Concrete (f'c = 3000 psi)	1,902.00	cu.m.														
Steel Reinforcement																	
2.1	Reinforcing Bars, Grade 60,	448,451.00	kg														
2.2	Reinforcing Bars, Grade 40,	206,890.00	kg														
2.3	Metal Deck, 2nd Floor Slab	7,729.00	sq.m.														
Formworks / Scaffoldings		1.00	lot														
SUB - TOTAL																	
SECTION 2200: STRUCTURAL STEELWORK																	
Structural Steel works including accessories to complete the works																	
1.1	Structural Steel for Truss Girder / Floor Joist, Fy = 50 ksi Note: all steel TRUSS girders and joist hidden or w/ ceiling are sprayed with fireproofing after erections - 2 hrs FIRE rated.	591,613.00	kg														
1.2	Structural Steel for Roof Truss and Canopy, Fy = 50 ksi, coated with rust proof paint & finishing paint	98,247.00	kg														
1.3	Structural Steel for Roof Accessories and Purlins, Fy = 50 ksi, coated with rust proof paint and finishing paint	20,109.00	kg														
1.4	Structural Steel for Connection Plates and Accessories, coated with rust proof paint finished	206,955.00	kg														
1.5	Structural Steel for fixed Bridge, coated with rust proof paint and finishing paint	7,612.00	kg														
SUB - TOTAL																	
SECTION 2300: BLOCK WORK																	
1.0	6" thick CHB Wall Non-Load Bearing Class "A" Mixture, Including Rebars	1,262.00	sq.m.														
2.0	4" thick CHB Wall Non-Load Bearing Class "A" Mixture, Including Rebars	2,689.00	sq.m.														
SUB - TOTAL																	
TOTAL OF PART SECTION 2000 - STRUCTURAL																	

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SECTION SERIES 3000 : ARCHITECTURAL WORKS																		
SECTION 3100: TERMITE CONTROL																		
4120	Soil Treatment		4,892.00	sq.m.														
SUB - TOTAL																		
SECTION 3200: WATERPROOFING																		
1.01	Concrete deck on High Tensile Flexible Rubberized Asphalt Water Proofing Membrane with Concrete Topping finished		4,400.00	sq.m.														
1.02	Hot applied Asphalt with Polyvinyl Chloride Sheet Membrane		185.00	sq.m.														
1.04	Polyethylene waterproof membrane		5,300.00	sq.m.														
SUB - TOTAL																		
SECTION 3300: ROOFING, CLADDING AND FACADES																		
	Roofing System complete with necessary accessories/miscellaneous items																	
1.1.1	(R1) .8MM THK STANDING SEAM DOUBLE FOLDED ALUMINIZED STEEL ROOFING WITH 100MM THK 10KG/M³ GLASS WOOL INSULATION WRAPPED IN POLYETHYLENE FILM		2,203.00	sq.m.														
1.1.2	(R2) 12MM THK LAMINATED SKYLIGHT GLASS (6MM THK CLEAR FLOAT GLASS - ANTI SHATTER INNER FILM - 6MM THK CLEAR FLOAT GLASS) ON STRUCTURAL STEEL FRAMING (SEE DETAIL)		165.00	sq.m.														
	Façade and Cladding Systemcomplete with necessary accessories/miscellaneous items																	
1.2.1	(W8) 4MM THK ALUMINUM COMPOSITE PANEL WITH PVDF COATING ON STEEL FRAMING , REFER TO MANUFACTURERS DETAIL, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE.		631.00	sq.m.														
1.2.2	(W10) WALL CLADDING SOUND PROOF INSULATION		340.00	sq.m.														
1.2.3	(W11) ALUMINUM VERTICAL BAFFLES		189.00	sq.m.														
SUB - TOTAL																		
SECTION 3400: DOORS and WINDOWS																		
4340.1	Wood/ Metal Doors and Jambs complete with necessary accessories/miscellaneous items																	
1.1	(D 1) 900mm x 2400mm SWING TYPE FHC METAL DOOR ON EPOXY POLYESTER BAKED PAINT FINISHED WITH 6.6mm THK WIRED GLASS FIXED WINDOW, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.		1.00	set/s														
1.2	(D 2) 900mm x 2100mm SWING TYPE FHC METAL DOOR ON EPOXY POLYESTER BAKED PAINT FINISHED WITH 6.6mm THK WIRED GLASS FIXED WINDOW, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.		1.00	set/s														
1.3	(D 3) 2 - 900mm x 2100mm SWING TYPE FHC METAL DOOR ON EPOXY POLYESTER BAKED PAINT FINISHED WITH 6.6mm THK WIRED GLASS FIXED WINDOW, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.		4.00	set/s														
1.4	(D 4) 2 - 800mm x 2100mm SWING TYPE FHC METAL DOOR ON EPOXY POLYESTER BAKED PAINT FINISHED WITH 6.6mm THK WIRED GLASS FIXED WINDOW, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.		1.00	set/s														

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1.5	(D 5) 900mm x 2400mm SWING TYPE FHC METAL DOOR ON EPOXY POLYESTER BAKED PAINT FINISHED WITH AIR LOUVERS, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.	3.00	set/s														
1.6	(D 6A) 900mm x 2100mm SWING TYPE INSULATED WOODEN FLUSH DOOR ON LAMINATED FINISHED WITH AIR LOUVERS, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.	3.00	set/s														
1.7	(D 6B) 800mm x 2100mm SWING TYPE INSULATED WOODEN FLUSH DOOR ON LAMINATED FINISHED WITH AIR LOUVERS, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.	5.00	set/s														
1.8	(D 7) 700mm x 2100mm SWING TYPE INSULATED WOODEN FLUSH DOOR ON LAMINATED FINISHED WITH AIR LOUVERS, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.	3.00	set/s														
1.9	(D 8) 600mm x 2100mm SWING TYPE INSULATED WOODEN FLUSH DOOR ON LAMINATED FINISHED WITH AIR LOUVERS, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.	3.00	set/s														
1.10	(D 9) 2 - 900mm x 2100mm SWING TYPE FHC METAL DOOR ON EPOXY POLYESTER BAKED PAINT FINISHED WITH AIR LOUVERS, PROVIDE STAINLESS STEEL PUSH AND KICK PLATE complete with necessary accessories/miscellaneous items.	3.00	set/s														
1.11	(D 10) 2 - 900mm x 3000mm SWING TYPE STEEL LOUVERS ON EPOXY POLYESTER BAKED PAINT FINISHED complete with necessary accessories/miscellaneous items.	3.00	set/s														
4340.2	Aluminum Doors complete with necessary accessories/miscellaneous items																
2.1	(AD 1) 2-1100mm X 2400mm COMBINATION DOUBLE ACTING SENSOR TYPE 12mm THK TEMPERED CLEAR GLASS DOOR ON POWDER COATED EXTRUDED ALUMINUM FRAMING WITH DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW (22.7 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	3.00	set/s														
2.2	(AD 2) 2 - 1050mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (22.66 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.3	(AD 2-A) 2 - 1000mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (77.31 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.4	(AD 3) 3 - 1050mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (21 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														

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2.5	(AD 4) 2 - 1050mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS CORNER FIXED WINDOW (23.07 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.6	(AD 5) 2 - 1000mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS CORNER FIXED WINDOW (15.43 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.7	(AD 6-A) 900mm x 2100mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (12 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.8	(AD 6-B) 900mm x 2100mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (2.16 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.9	(AD 7A) 900mm x 2100mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (9.18 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	4.00	set/s														
2.10	(AD 7B) 2 - 800mm x 2500mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (4.13 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.11	(AD 8) 2 - 1050mm x 2100mm COMBINATION DOUBLE ACTING SENSOR TYPE 12mm THK TEMPERED CLEAR GLASS DOOR ON POWDER COATED EXTRUDED ALUMINUM FRAMING WITH DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS- ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW (27.6 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.12	(AD 9-A) 4 - 1000mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (70.81 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE complete with necessary accessories/miscellaneous items.	2.00	set/s														

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2.13	(AD 9-B) 2 - 800mm x 2400mm COMBINATION DOUBLE ACTING SENSOR TYPE 12mm THK TEMPERED CLEAR GLASS DOOR ON POWDER COATED EXTRUDED ALUMINUM FRAMING WITH DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW (4.68 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.14	(AD 9-C) 2 - 800mm x 2400mm COMBINATION DOUBLE ACTING SENSOR TYPE 12mm THK TEMPERED CLEAR GLASS DOOR ON POWDER COATED EXTRUDED ALUMINUM FRAMING WITH DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW (15.48 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.15	(AD 10) 2 - 1050mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (45.11 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.16	(AD 11) 2 - 1000mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (9.14 SQ.M.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.17	(AD 12) 975mm x 2100mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (7.00 SQ.M.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.18	(AD 13) 2 - 800mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (4.56 SQ.M.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.19	(AD 14) 1050mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (2.70 SQ.M.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.20	(AD 15) 4 - 800mm x 2400mm COMBINATION DOUBLE ACTING SENSOR TYPE 12mm THK TEMPERED CLEAR GLASS DOOR ON POWDER COATED EXTRUDED ALUMINUM FRAMING WITH DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW (32.04 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														

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					MATERIALS	LABOR	EQUIPMENT		OCM		Profit	%	VALUE				
2.21	(AD 16) 2 - 1000mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (7.10 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
2.22	(AD 17) 2 - 975mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	4.00	set/s														
2.23	(AD 18) 2 - 928mm X 2800mm COMBINATION DOUBLE ACTING SWING METAL DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (11.80 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED. complete with necessary accessories/miscellaneous items.	2.00	set/s														
2.24	(AD 19) 1150mm X 2700mm COMBINATION DOUBLE ACTING SWING METAL DOOR WITH 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW (6.00 sq.m.) ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED. complete with necessary accessories/miscellaneous items.	1.00	set/s														
3.1	(GD 1) 900mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	6.00	set/s														
3.2	(GD 2) 2 - 800mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR, WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	3.00	set/s														
3.3	(GD 3) 900mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK FRAMELESS TEMPERED CLEAR FIXED WINDOW (6.24 sq.m.) WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
3.4	(GD 4) 900mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK FRAMELESS TEMPERED CLEAR FIXED WINDOW (3.60 sq.m.), WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
3.5	(GD 5) 900mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK FRAMELESS TEMPERED CLEAR FIXED WINDOW (5.40 sq.m.), WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
3.6	(GD 6) 900mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK FRAMELESS TEMPERED CLEAR FIXED WINDOW (3.00 sq.m.), WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
3.7	(GD 7) 900mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK FRAMELESS TEMPERED CLEAR FIXED WINDOW (4.86 sq.m.), WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														

DETAILED BREAKDOWN OF COMPONENT OF EACH ITEM
Expansion of Passenger Terminal Building at Davao International Airport
Davao Airport, Daang Maharlika HWY, Buhangin, Davao City, Davao del Sur

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	WL. %	DIRECT COST			ESTIMATED DIRECT COST	MARK-UPS IN PERCENT			TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					MATERIALS	LABOR	EQUIPMENT		OCM		Profit	%	VALUE				
3.8	(GD 8) 900mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK FRAMELESS TEMPERED CLEAR FIXED WINDOW (4.75 sq.m.), WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	2.00	set/s														
3.9	(GD 9) 900mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK FRAMELESS TEMPERED CLEAR FIXED WINDOW (3.00 sq.m.), WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
3.10	(GD 9A) 900mm x 2400mm COMBINATION DOUBLE ACTING SWING TYPE 12mm THK FRAMELESS TEMPERED CLEAR GLASS DOOR WITH 12mm THK FRAMELESS TEMPERED CLEAR FIXED WINDOW (2.34 sq.m.), WITH STAINLESS STEEL DOOR HANDLE IN BRUSH FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
4340.4	Aluminum Windows complete with necessary accessories/miscellaneous items																
4.1	(AW 1) 5000mm x 5600mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.2	(AW 3) 4600mm x 6000mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	2.00	set/s														
4.3	(AW 2-B) 17850mm x 4000mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.4	(AW 4) 4825mm x 6000mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	6.00	set/s														
4.5	(AW 5) 9388mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.6	(AW 6) 4100mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.7	(AW 7) 5000mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														

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					MATERIALS	LABOR	EQUIPMENT		OCM		Profit	%	VALUE				
4.8	(AW 8) 3375mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	2.00	set/s														
4.9	(AW 9) 9600mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.10	(AW 9A) 10550mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.11	(AW 11) 3900mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.12	(AW 12) 4700mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.13	(AW 13) 10600mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.14	(AW 14) 9650mm x 2900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.15	(AW 15) 6750mm x 3400mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.16	(AW 16-A) 1500mm x 2700mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.17	(AW 16) 1700mm x 2700mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.18	(AW 17) 3540mm x 2700mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
4.19	(AW 18) 5129mm x 2700mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.20	(AW 19) 4800mm x 3400mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.21	(AW 20) 3000mm x 3400mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.22	(AW 21) 2775mm x 3400mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.23	(AW 22) 5200mm x 3400mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.24	(AW 23) 2575mm x 3400mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.25	(AW 24) 10900mm x 3400mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.26	(AW 25) 3000mm x 900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	2.00	set/s														
4.27	(AW 26) 5000mm x 900mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	5.00	set/s														
4.28	(AW 27) 8750mm x 2400mm DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.29	(AW 28) 87.10 sq.m. TRAPEZOIDAL SHAPED DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) CLERESTORY FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	2.00	set/s														
4.30	(AW 29) 67.80 sq.m. TRAPEZOIDAL SHAPED DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) CLERESTORY FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	2.00	set/s														

DETAILED BREAKDOWN OF COMPONENT OF EACH ITEM
Expansion of Passenger Terminal Building at Davao International Airport
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ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	WL%	DIRECT COST			ESTIMATED DIRECT COST	MARK-UPS IN PERCENT			TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					MATERIALS	LABOR	EQUIPMENT		OCM		Profit	%	VALUE				
4.31	(AW 30) 13.71 sq.m.TRAPEZOIDAL SHAPED DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) CLERESTORY FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.32	(AW 31) 19.21 sq.m. DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) CLERESTORY FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	2.00	set/s														
4.33	(AW 32) 18.05 sq.m.DOUBLE GLAZED 14mm THK LAMINATED GLASS (8mm THICK HEAT ABSORBING TEMPERED GLASS - ANTI SHATTER INNER FILM - 6mm CLEAR FLOAT GLASS) CLERESTORY FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	2.00	set/s														
4.34	(LW 1) 4525mm x 2900mm rectangular shaped 50mm X 150mm TUBULAR STEEL FRAMED WITH 50mm X 75mm STEEL LOUVERS ON EPOXY POLYESTER BAKED PAINT FINISHED complete with necessary accessories/miscellaneous items.	2.00	set/s														
4.35	(AW 33) 35660mm x 2700mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.36	(AW 34) 14728mm x 2700mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.37	(AW 35) 5675mm x 2700mm 12mm THK TEMPERED CLEAR GLASS FIXED WINDOW ON POWDER COATED EXTRUDED ALUMINUM BACK MULLION FRAMING complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.38	(LW 1) 4525mm x 2900mm rectangular shaped 50mm X 150mm TUBULAR STEEL FRAMED WITH 50mm X 75mm STEEL LOUVERS ON EPOXY POLYESTER BAKED PAINT FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.39	(LW 2) 2625mm x 2900mm rectangular shaped 50mm X 150mm TUBULAR STEEL FRAMED WITH 50mm X 75mm STEEL LOUVERS ON EPOXY POLYESTER BAKED PAINT FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.40	(LW 3) 2325mm x 2900mm rectangular shaped 50mm X 150mm TUBULAR STEEL FRAMED WITH 50mm X 75mm STEEL LOUVERS ON EPOXY POLYESTER BAKED PAINT FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.41	(LW 4) 1725mm x 2900mm rectangular shaped 50mm X 150mm TUBULAR STEEL FRAMED WITH 50mm X 75mm STEEL LOUVERS ON EPOXY POLYESTER BAKED PAINT FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.42	(LW 5) 3475mm x 2900mm rectangular shaped 50mm X 150mm TUBULAR STEEL FRAMED WITH 50mm X 75mm STEEL LOUVERS ON EPOXY POLYESTER BAKED PAINT FINISHED complete with necessary accessories/miscellaneous items.	1.00	set/s														
4.43	(LW 6) 4450mm x 2900mm rectangular shaped 50mm X 150mm TUBULAR STEEL FRAMED WITH 50mm X 75mm STEEL LOUVERS ON EPOXY POLYESTER BAKED PAINT FINISHED complete with necessary accessories/miscellaneous items.	2.00	set/s														
SUB - TOTAL																	

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SECTION 3500: METALWORK																	
	Metalworks complete with necessary accessories/miscellaneous items																
2.4.1	(W9) 50MM Ø STAINLESS STEEL TROLLEY GUARD (GRADE 304)	303.00	I.m.														
2.4.2	STAINLESS STEEL RAILINGS FOR STAIRS 1 & 2 WITH BRACING/SUPPORTS	34.00	I.m.														
2.4.3	STAINLESS STEEL RAILINGS FOR GLASS RAILING WITH BRACING/SUPPORTS (with 12mm thk, Tempered Glass , area=93 sq.m.)	93.00	I.m.														
SUB - TOTAL																	
SECTION 3600: WOODWORK AND PARTITIONS																	
3.1	(TS.1) PHENOLIC PARTITION, COMPLETE WITH DOOR, POWDER COATED BLACK ACCESSORIES / MISCELLANEOUS - FOR TOILET	31.00	cubicle														
3.2	(TS.2) PHENOLIC PARTITION, COMPLETE WITH POWDER COATED BLACK ACCESSORIES / MISCELLANEOUS - FOR URINAL	33.00	each														
SUB - TOTAL																	
SECTION 3700: FINISHES																	
4370.3	Floor Finishes complete with necessary accessories/miscellaneous items																
3.1	(F1) 600MM X 600MM X 20MM POLISHED GRANITE TILES WITH ACCENT (SEE PATTERN DETAILS), TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE.	5,165.00	sq.m.														
3.2	(F2) 600MM X 600MM X 20MM FLAMED GRANITE TILES, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE.	717.00	sq.m.														
3.3	(F3) 600MM X 600MM X 8MM SLIP RESISTANT UNGLAZED HOMOGENEOUS TILES, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE.	235.00	sq.m.														
3.4	(F4) 300MM X 300MM X 6MM SLIP RESISTANT UNGLAZED VITRIFIED TILES, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE.	62.00	sq.m.														
3.5	(F5) 300MM X 300 X 3MM VINYL FLOOR TILES, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE.	795.00	sq.m.														
3.6	(F6) 600MM X 600MM ANTI STATIC VINYL FLOOR TILES ON RAISED FLOOR SYSTEM, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE.	65.00	sq.m.														
3.7	(F8) SMOOTH CONCRETE ON EPOXY PRIMER FINISHED, COLOR AS PER ARCHITECT / CLIENT'S APPROVAL.	627.00	sq.m.														
	Wall Finishes complete with necessary accessories/miscellaneous items																
2.1	19mm thk Plain Cement Plastering Class "A"	5,210.00	sq.m.														
2.2	(W1) PLAIN CEMENT PLASTER IN SYNTHETIC RESIN EMULSION PAINT FINISHED (EXTERIOR), COLOR AS PER ARCHITECT / CLIENT'S APPROVAL	1,269.00	sq.m.														
2.3	(W2) PLAIN CEMENT PLASTER IN ACRYLIC EMULSION PAINT FINISHED (INTERIOR), COLOR AS PER ARCHITECT / CLIENT'S APPROVAL	3,941.00	sq.m.														
2.4	(W3) DRYWALL IN ACRYLIC EMULSION PAINT FINISHED (INTERIOR), COLOR AS PER ARCHITECT / CLIENT'S APPROVAL	1,447.00	sq.m.														
2.5	(W4) 600MM X 600MM X 20MM MATTE GRANITE TILES, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE	223.00	sq.m.														
2.6	(W5) 600MM X 600MM X 8MM HOMOGENEOUS TILES, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE	696.00	sq.m.														
2.7	(W6) 300MM X 300MM X 6MM VITRIFIED TILES, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE	72.00	sq.m.														
2.8	(W7) DECORATIVE WALL ACCENT ON LAMINATED WOOD FINISHED	174.00	sq.m.														
2.9	100mm thk Tinted Green Glass with aluminum frame for fixed bridge	53.00	sq.m.														

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
2.10	9mm thk Fiber Cement Board with 50mm thk insulation panel for fixed bridge	52.00	sq.m.														
	Ceiling Finishes complete with necessary accessories/miscellaneous items																
1.1	(C1) 12MM THK FR GYPSUM BOARD ON STANDARD DOUBLE METAL FURRING FRAMING	3,368.00	sq.m.														
1.2	(C2) 12MM THK MR GYPSUM BOARD ON STANDARD DOUBLE METAL FURRING FRAMING	268.00	sq.m.														
1.3	FLAT ACRYLIC EMULSION PAINT, COLOR AS PER ARCHITECT / CLIENT'S APPROVAL	3,160.00	sq.m.														
1.4	(C3) 600MM X 600MM X 15MM ACOUSTIC ROCKWOOL CEILING BOARD ON EXPOSED T-BAR SUSPENSION SYSTEM	596.00	sq.m.														
1.5	(C4) 300MM WIDTH METAL LINEAR CEILING SYSTEM ON WOOD GRAIN FINISHED, REFER TO MANUFACTURERS DETAIL, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE	525.00	sq.m.														
1.6	(C5) 200MMX300MM ALUMINUM TIMBER BAFFLE ON WOODGRAIN FINISHED, REFER TO MANUFACTURERS DETAIL, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE	1,204.00	sq.m.														
1.7	(C6) 600MM X 600MM SUSPENDED METAL PANEL CEILING SYSTEM, REFER TO MANUFACTURERS DETAIL, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE	774.00	sq.m.														
1.8	(C7) 25MM X 50MM ALUMINUM BAFFLE CEILING ON WHITE COLOR FINISHED, REFER TO MANUFACTURERS DETAIL, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE	3,327.00	sq.m.														
1.9	(C8) 4MM THK ALUMINUM COMPOSITE PANEL WITH PVDF COATING ON STEEL FRAMING , REFER TO MANUFACTURERS DETAIL, TYPE AND COLOR AS PER ARCHITECT / CLIENT'S APPROVE SAMPLE	328.00	sq.m.														
1.10	(C9) UNDER SLAB IN ELASTOMERIC PAINT FINISHED, COLOR AS PER ARCHITECT / CLIENT'S APPROVAL	1,593.00	sq.m.														
1.11	600MM X 600MM ACOUSTIC CEILING WITH T-BAR FOR FIXED BRIDGE	27.00	sq.m.														
SUB - TOTAL																	
SECTION 3800: Miscellaneous/Fittings/Furnitures																	
4380.2	FIXTURES																
2.4.6	(T14) STAINLESS STEEL TISSUE HOLDER complete with necessary accessories/miscellaneous items.	44.00	sets														
2.4.7	(T15) Wall Mounted Soap Dispenser, type and color as per Architect/ Owner's approval	26.00	sets														
2.5.1	FRAMELESS VANITY FACE MIRROR WITH LED STRIP COVE LIGHTING complete with necessary accessories/miscellaneous items.	40.00	sets														
2.5.2	FULL LENGTH FACE MIRROR TO BE FLUSH ON WALL, PROVIDE 1/2" THICK MARINE PLYWOOD BACKING complete with necessary accessories/miscellaneous items.	5.00	sets														
2.6.1	STAINLESS STEEL GRAB BAR complete with necessary accessories/miscellaneous items.	18.00	sets														
2.7.1	WALL MOUNTED BABY CHANGING STATION complete with necessary accessories/miscellaneous items.	2.00	sets														
2.7.2	(T10) 3/4" thk Polished Granite Maintenance Wall Cover, type and color as per Architect/ Owner's approval	10.00	sq.m.														
2.7.3	(T11) 3/4" thk Polished Granite Countertop and Splashboard, type and color as per Architect/ Owner's approval	56.00	sq.m.														
4380.3	Furniture complete with necessary accessories/miscellaneous items																
3.1	(IF-1) PUBLIC SEATS AT ARRIVAL, 5 SEATS, COMBINATION SEATS PER OF ROWS VARIES (VERIFY ON FURNITURE LAYOUT & SPECS)	10.00	set/s														

DETAILED BREAKDOWN OF COMPONENT OF EACH ITEM
Expansion of Passenger Terminal Building at Davao International Airport
Davao Airport, Daang Maharlika HWY, Buhangin, Davao City, Davao del Sur

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	WL%	DIRECT COST			ESTIMATED DIRECT COST	MARK-UPS IN PERCENT			TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
3.2	(IF-2A) PUBLIC SEATS AT DEPARTURE, 5 SEATS, COMBINATION SEATS PER OF ROWS VARIES (VERIFY ON FURNITURE LAYOUT & SPECS)	14.00	set/s														
3.3	(IF-2B) PUBLIC SEATS AT DEPARTURE, 10 SEATS, COMBINATION SEATS PER OF ROWS VARIES (VERIFY ON FURNITURE LAYOUT & SPECS)	12.00	set/s														
3.4	(IF-3) CUSTOM DESK & CHAIR WITH MOVABLE SIDE TABLE FOR HEAD, CONFIGURATION VARIES (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	18.00	set/s														
3.5	(IF-4) DESK AND CHAIR FOR OFFICE PERSONNEL (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	31.00	set/s														
3.6	OFFICE FILE CABINET (VERIFY LOCATION ON FURNITURE LAYOUT)	97.00	set/s														
3.7	(IF-8) SOFA SET (4 SETS & COFFEE TABLE AT PRIVATE LOUNGE (VERIFY LOCATION ON FURNITURE LAYOUT & QUANTITY ON SPECS)	6.00	set/s														
3.8	(IF-9) ROUND TABLE CONFIGURATION WITH 4 CHAIRS (VERIFY LOCATION ON FURNITURE LAYOUT)	8.00	set/s														
3.9	(IF-10) CUSTOM TV RACK WITH BOOK SHELVES AT PRIVATE LOUNGE(VERIFY LOCATION ON FURNITURE LAYOUT)	3.00	set/s														
3.10	TAPE BARRIEI INCL. STAINLESS STEEL BOLLARD	8.00	set/s														
	COUNTER SET																
3.11	(CO-1) OUTDOOR COUNTER WITH 2 SEATS (VERIFY LOCATION ON DRAWING)	1.00	sets														
3.12	(CO-2) INDOOR COUNTER WITH 2 SEATS (VERIFY LOCATION ON DRAWING)	2.00	sets														
3.13	(CO-3) CHECK-IN COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	12.00	sets														
3.14	(CO-4) RECEPTION COUNTER WITH 1 SEAT AT PRIVATE LOUNGE (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	1.00	sets														
3.15	(CO-5) LOST & FOUND COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	1.00	sets														
3.16	(CO-6) SECURITY COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	1.00	sets														
3.17	(CO-7) FIDS COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	2.00	sets														
3.18	(PAN-1) CONCESSIONAIRE PANTR (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	5.00	sets														
3.19	(PAN-2) VIP LOUNGE PANTRY (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	1.00	sets														
3.20	(IB) IMMIGRATION BOOTH 1 SEAT (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	6.00	sets														
	SUB - TOTAL																
	SECTION 3900: SIGNAGES																
	Supply and install building signages with all accessories to complete the works																
1.1	ARRIVAL SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	2.00	set/s														
1.2	DEPARTURE SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	2.00	set/s														
1.3	PASSENGER TERMINAL BUILDING SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	1.00	set/s														
1.4	CHECK-IN complete with necessary accessories/miscellaneous items. See Signage schedule/details.	1.00	set/s														
1.5	DECORATIVE SIGNAGE CUT-OUT complete with necessary accessories/miscellaneous items. See Signage schedule/details.	4.00	set/s														
1.6	OUTDOOR DIRECTIONAL SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	4.00	set/s														
1.7	INDOOR DIRECTIONAL SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	5.00	set/s														

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					MATERIALS	LABOR	EQUIPMENT		OCM		Profit	%	VALUE				
1.8	STANDING DIRECTIONAL SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	3.00	set/s														
1.9	BAY SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	2.00	set/s														
1.10	INTERIOR BUS GATE SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	2.00	set/s														
1.11	CONCESSIONAIRE SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	8.00	set/s														
1.12	MALE TOILET DOOR SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	3.00	set/s														
1.13	FEMALE TOILET DOOR SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	3.00	set/s														
1.14	TYPICAL DOOR SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	24.00	set/s														
1.15	TYPICAL GLASS DOOR SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	27.00	set/s														
1.16	MALE TOILET SIGNAGE CUT-OUT complete with necessary accessories/miscellaneous items. See Signage schedule/details.	5.00	set/s														
1.17	FEMALE TOILET SIGNAGE CUT-OUT complete with necessary accessories/miscellaneous items. See Signage schedule/details.	5.00	set/s														
1.18	PWD TOILET SIGNAGE CUT-OUT complete with necessary accessories/miscellaneous items. See Signage schedule/details.	2.00	set/s														
1.19	BAGGAGE SIGNAGE complete with necessary accessories/miscellaneous items. See Signage schedule/details.	2.00	set/s														
1.20	LED WALL BILLBOARD complete with necessary accessories/miscellaneous items. See Signage schedule/details.	11.00	sets														
SUB - TOTAL																	
TOTAL OF PART SECTION 3000 -ARCHITECTURAL WORKS																	
SECTION SERIES 4000 : MECHANICAL AND FIRE PROTECTION																	
SECTION 4100 : VENTILATION AND AIR CONDITIONING SYSTEM																	
3.0	AIR CONDITIONING EQUIPMENT																
AIR COOLED CHILLER (Incl. Pump ,Fitting, valves, thermometer and other accessories to complete the works)																	
3.1.1	WATER CHILLER, CAPACITY: 200 TR, RATING: 235 KW, 134A, 400V, 60Hz	3.00	unit/s														
3.1.2	CHILLER WATER PUMP,30LPS,250Kpa,30HP, 400V, 3PH, 60HZ	3.00	unit/s														
AIR HANDLING UNITS (including Accessories to complete the works)																	
3.2.1	AHU, 35 TR CAPACITY, 10HP, 400V, 60Hz	5	unit/s														
3.2.2	AHU, 30 TR CAPACITY, 7.5HP, 400V, 60Hz	4	unit/s														
3.2.3	AHU, 27 TR CAPACITY, 7.5HP, 400V, 60Hz	1	unit/s														
3.2.4	AHU, 22 TR CAPACITY, 5.0HP, 400V, 60Hz	1	unit/s														
3.2.5	AHU, 20 TR CAPACITY, 5.0HP, 400V, 60Hz	1	unit/s														
FAN COIL/ACCU UNITS																	
3.3.1	FCU -1-GF 7.5HP Capacity,400 V, 60 Hz	1.00	unit/s														
SUB - TOTAL																	
4.0	AIR CONDITIONING PIPING																
CONDENSED WATER PIPING SYSTEM																	
4.1.1	200mmØ BI Pipes including Fittings	52.00	I.m.														
4.1.2	150mmØ BI Pipes including Fittings	38.00	I.m.														
4.1.3	100mmØ BI Pipes including Fittings	37.00	I.m.														
4.1.3 b	50mmØ BI Pipes including Fittings	61.00	I.m.														
4.1.4	200mmØ Slip-on Flange	20.00	pcs.														

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
4.1.5	150mmØ Slip-on Flange	2.00	pcs.														
4.1.6	100mmØ Slip- on Flange	15.00	pcs.														
4.1.7	50mmØ Blind Flange	16.00	pcs.														
	REFRIGERANT PIPING																
4.2.1	6.35 mmØ Copper Pipes including Fittings	12.00	I.m.														
4.2.2	9.52 mmØ Copper Pipes including Fittings	353.00	I.m.														
4.2.3	12.7 mmØ Copper Pipes including Fittings	125.00	I.m.														
4.2.4	15.9 mmØ Copper Pipes including Fittings	202.00	I.m.														
4.2.5	19.05 mmØ Copper Pipes including Fittings	250.00	I.m.														
4.2.6	22.2 mmØ Copper Pipes including Fittings	13.00	I.m.														
4.2.7	28.6 mmØ Copper Pipes including fittings	75.00	I.m.														
4.2.8	34.9 mmØ Copper Pipes including Fittings	60.00	I.m.														
4.2.9	41.3 mmØ Copper Pipes including Fittings	39.00	I.m.														
4.3.1	Refrigerant	84.00	kgs.														
4.3.2	Consumables, Hangers & Supports	1.00	lot														
	SUB - TOTAL																
5.0	VENTILATION EQUIPMENTS																
5.0	VENTILATION EQUIPMENTS																
5.1.1	CEILING CASSETTE TYPE EXHAUST FAN, 50 LPS, 230V, 60Hz	12.00	unit/s														
5.1.2	CENT.TYPE EXHAUST FAN SWSI, 4300 LPS, 5KW, 230V, 60Hz	1.00	unit/s														
5.1.3	CEILING CASSETTE TYPE EXHAUST FAN, 120 LPS, 0.5kw,B69 230V, 60Hz	2.00	unit/s														
5.1.4	TUBE AXIAL FAN, 3780 LPS, 5KW, 230V, 60Hz	1.00	unit/s														
5.1.5	CENT.TYPE EXHAUST FAN SWSI, 7000 LPS, 300Pa, 400V, 60Hz	2.00	unit/s														
5.2	Consumables, Hangers & Supports	1.00	lot														
	SUB - TOTAL																
6.0	AIR CONDITIONING AND VENTILATION DUCTS																
	AIR CONDITION DUCT																
6.1.1	G.I. Sheet G18	153.00	sheet														
6.1.2	G.I. Sheet G20	283.00	sheet														
6.1.3	G.I. Sheet G22	153.00	sheet														
6.1.4	G.I. Sheet G24	109.00	sheet														
6.1.5	G.I. Sheet G26	102.00	sheet														
6.1.6	Flexible Duct w/ Insulation, 300 mm dia.	155.00	I.m.														
6.1.7	Stainless Clamp, 300 mm dia.	309.00	pcs.														
	FRESH AIR DUCT																
6.1.8	G.I. Sheet G24	96.00	sheet														
6.1.9	G.I. Sheet G26	84.00	sheet														
	RETURN AIR DUCT																
6.1.10	G.I. Sheet G18	26.00	sheet														
6.1.11	G.I. Sheet G20	53.20	sheet														
6.1.12	G.I. Sheet G22	26.00	sheet														
6.1.13	G.I. Sheet G24	14.00	sheet														
6.1.14	G.I. Sheet Gg 26 Corner Beads	122.00	sheet														
	VENTILATING DUCT SYSTEM																
6.3.1	G.I. Sheet G18	62.00	sheet														
6.3.2	G.I. Sheet G20	84.00	sheet														
6.3.3	G.I. Sheet G22	106.00	sheet														
6.3.4	G.I. Sheet G24	50.00	sheet														
6.3.5	G.I. Sheet G26	100.00	sheet														
6.4.1	Hanger & Support	1.00	lot														
	SUB - TOTAL																
7.0	DUCT WORK ACCESSORIES																
	PLENUM BOX																
7.1.1	G.I. Sheet G18	26.00	sheet														
7.1.2	G.I. Sheet G20	39.00	sheet														
7.1.3	G.I. Sheet G22	26.00	sheet														
7.1.4	G.I. Sheet G24	14.00	sheet														

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
7.1.5	G.I. Sheet G26	12.00	sheet														
	A/C AIR TERMINALS																
	Linear Slot Diffuser																
7.2.1	5 Slots X 1200mm Return Air Linear Grille	44.00	pc/s.														
7.2.2	3 Slots X 1200mm Return Air Linear Grille	18.00	pc/s.														
7.2.3	3 Slots X Continuous Return Air Linear Grille	750.00	l.m.														
	Square Ceiling Diffuser, w/obd																
7.2.4	600 x 600mm	136.00	pc/s.														
7.2.5	500 x 500mm	39.00	pc/s.														
7.2.6	450 x 450mm	42.00	pc/s.														
7.2.7	400 x 400mm	3.00	pc/s.														
7.2.8	300 x 300mm	13.00	pc/s.														
	Jet Nozzle Diffuser																
7.2.9	450mm dia.	9.00	pc/s.														
	Return Air Grille with Bell Mouth w/ Wire Mesh																
7.2.10	1800 x 600 mm	1.00	pc/s.														
7.2.11	1700 x 600 mm	1.00	pc/s.														
7.2.12	1600 x 500 mm	3.00	pc/s.														
7.2.13	1400 x 500 mm	2.00	pc/s.														
7.2.14	1200 x 500 mm	1.00	pc/s.														
7.2.15	1000 x 500 mm	2.00	pc/s.														
	Fresh Air Grille Louver with Insect Screen																
7.2.16	1200 x 500 mm	2.00	pc/s.														
	Exhaust Air Louver with Insect Screen																
7.2.17	1400 x 600 mm	2.00	pc/s.														
	Smoke Evacuation Air Grille with Bell Mouth Opening with Insect Screen																
7.2.18	1400 x 600 mm	2.00	pc/s.														
7.3	DAMPERS																
	Volume Dampers																
7.3.1	450mm dia.	32.00	pc/s.														
7.3.2	150 x 150mm	2.00	pc/s.														
7.3.3	250 x 250mm	5.00	pc/s.														
7.3.4	300 x 250mm	5.00	pc/s.														
7.3.5	350 x 300mm	4.00	pc/s.														
7.3.6	400 x 300mm	3.00	pc/s.														
7.3.7	400 x 350mm	3.00	pc/s.														
7.3.8	500 x 350mm	2.00	pc/s.														
7.3.9	500 x 450mm	1.00	pc/s.														
7.3.10	600 x 450mm	1.00	pc/s.														
7.3.11	1700 x 600mm	1.00	pc/s.														
	Fire Dampers:Curtain type																
7.3.12	1700 x 600mm	1.00	pc/s.														
7.3.13	1850 x 600mm	1.00	pc/s.														
7.3.14	2050 x 600mm	1.00	pc/s.														
7.3.15	2100 x 600mm	1.00	pc/s.														
7.3.16	2500 x 600mm	1.00	pc/s.														
7.3.17	Weather Proof Damper Actuator	2.00	pc/s.														
	Fresh Air Louver																
7.3.18	2000 x 800mm	1.00	pc/s.														
7.3.19	300 x 200mm	1.00	pc/s.														
7.3.20	700 x 350mm	1.00	pc/s.														
7.3.21	1300 x 300mm	1.00	pc/s.														
7.3.22	2000 x 800mm	1.00	pc/s.														
7.3.23	600 x 300mm	1.00	pc/s.														
7.3.24	550 x 300mm	1.00	pc/s.														
7.3.25	1600 x 300mm	1.00	pc/s.														
7.4.1	Hanger & Support	1.00	lot														
7.5	VENTILATING DUCT ACCESSORIES																
	EXHAUST AIR DUCT																
7.5.1	G.I. Sheet G18	62.00	sheet														
7.5.2	G.I. Sheet G20	84.00	sheet														
7.5.3	G.I. Sheet G22	106.00	sheet														
7.5.4	G.I. Sheet G24	34.00	sheet														

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
7.5.5	G.I. Sheet G26	45.00	sheet														
	TOILET EXHAUST AIR DUCT																
7.5.6	G.I. Sheet G24	16.00	sheet														
7.5.7	G.I. Sheet G26	55.00	sheet														
7.6	AIR TERMINALS;																
	Exhaust Air Grille																
7.6.1	600 x 600mm	24.00	pc/s.														
7.6.2	450 x 450mm	10.00	pc/s.														
	Toilet Exhaust Grille																
7.6.3	300 x 300mm	7.00	pc/s.														
	Toilet Exhaust Louver																
7.6.4	300 x 300mm	4.00	pc/s.														
	DAMPERS																
	Volume Control Dampers																
7.7.1	100 x 100mm	30.00	pc/s.														
7.7.2	150 x 100mm	8.00	pc/s.														
7.7.3	250 x 150mm	1.00	pc/s.														
7.7.4	250 x 200mm	1.00	pc/s.														
7.7.5	600 x 400mm	1.00	pc/s.														
7.7.6	800 x 350mm	3.00	pc/s.														
7.7.7	500 x 400mm	1.00	pc/s.														
7.7.8	550 x 400mm	1.00	pc/s.														
7.7.9	650 x 500mm	1.00	pc/s.														
7.8.1	Hanger & Support	1.00	lot														
SUB - TOTAL																	
9.0	INSULATION WORKS																
	AC Duct Insulation (FiberGlass Insulation)																
9.1.1	25 mm thick, 32 kg/m³ density 15 meters.	144.00	roll/s														
	Others to Complete:																
9.1.2	Internal Lining Insulation 25mm thick	20.00	roll/s														
	Rubber Insulation																
9.2.1	200mmØ	10.00	l.m.														
9.2.2	150mmØ	72.00	l.m.														
9.2.3	100mmØ	34.00	l.m.														
	Refrigrant Piping Insulation																
	Rubber Insulation																
9.2.4	6.35 mmØ	12.00	lm.														
9.2.5	9.52 mmØ	353.00	lm.														
9.2.6	12.7 mmØ	125.00	lm.														
9.2.7	15.9 mmØ	202.00	lm.														
9.2.8	19.05 mmØ	250.00	lm.														
9.2.9	22.2 mmØ	13.00	lm.														
9.2.10	28.6 mmØ	75.00	lm.														
9.2.11	34.9 mmØ	60.00	lm.														
9.2.12	41.3 mmØ	39.00	lm.														
9.3.1	TDC duct accessories	1.00	lot														
9.3.2	Aluminum Duct Tape	200.00	Roll														
SUB - TOTAL																	
11.0	AUTOMATIC CONTROL																
11.1.1	Chiller Plant Manager with Energy Management Function and Multiple chiller Automatic Sequencing Capability Software	1.00	lot														
11.1.2	Jace Controller	1.00	lot														
11.1.3	Direct Digital Controller	3.00	set														
11.1.4	DDC Panels and Accessories	3.00	set														
11.1.5	BMS Computer	1.00	lot														
11.1.6	Chiller Plant Manager Communication & Field Wiring Works	1.00	lot														
SUB - TOTAL																	
12.0	TESTING AND BALANCING																
	Water Treatment																
12.1.1	Pre Operational Cleaning	1.00	lot														

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Expansion of Passenger Terminal Building at Davao International Airport
Davao Airport, Daang Maharlika HWY, Buhangin, Davao City, Davao del Sur

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	WL.%	DIRECT COST			ESTIMATED DIRECT COST	MARK-UPS IN PERCENT			TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
12.1.2	Chemical treatment (first 1 month)	1.00	lot														
12.1.3	Descaling	1.00	lot														
12.1.4	Automatic Feed & Bleed system	1.00	lot														
12.1.5	Testing & Commissioning	1.00	lot														
12.1.6	Loop Checking	1.00	lot														
12.1.7	Supply & installation of Chemical Pot Feeder	1.00	lot														
12.1.8	Supply & installation of Water Softener	1.00	lot														
SUB - TOTAL																	
13.0	MISCELLENEOUS WORKS																
	Supply and Installation of expansion Tank																
13.1.1	Open Type Cylindrical Expansion Tank, complete with necessary accessories	1.00	lot														
13.1.2	Pipes, valves, pressure gauge, Fittings, Pump and other accessories to complete the works	1.00	lot														
	MAKE UP WATER LINE																
13.2.1	BI Pipes 75 mm dia.(including fitting and Valves)	18.00	I.m.														
13.2.2	Pressure Gauge	2.00	pcs.														
13.2.3	Thermometer	2.00	pcs.														
13.2.4	Auto air vent	2.00	pcs.														
13.2.5	Float Valve 75 mm dia	1.00	pc.														
13.2.6	Flow Meter 75 mm dia.	2.00	pcs.														
13.2.7	Globe Valve, 75 mm dia.	6.00	pcs.														
13.2.8	Flexible Connector, 75 mm dia.	2.00	pcs.														
	Differential Pressure By Pass Connection																
13.3.1	Pressure Differential Valve, 200 mm dia	1.00	pcs.														
13.3.2	Butterfly Valves, 200 mm dia.	3.00	pcs.														
13.3.3	Condensate Drain System	1.00	lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 4100 -VENTILATION AND AIRCONDITIONING SYSTEM																	
SECTION 4200 FIRE PROTECTION SYSTEM																	
2.0	SPRINKLER SYSTEM																
2.1.1	Alarm Check Valve, 200 mm dia.	1.00	pc.														
2.1.2	Check Valve, 200 mm dia.	1.00	pc.														
2.1.3	Flexible Connector, 200 mm dia.	2.00	pcs.														
2.1.4	Flange Connector, 200 mm dia.	5.00	pcs.														
2.1.5	Flange Connector, 150 mm dia.	4.00	pcs.														
2.1.6	Y- Strainer, 200 mm dia.	1.00	pc.														
2.2	Water Motor Alarm	1.00	set														
2.3	Water Flow Detector Switch, 100 mm dia.	5.00	pcs.														
2.4	Supervisory Switch	2.00	pcs.														
2.5.1	Sprinkler Heads, Upright Type	629.00	pcs.														
2.5.3	Sprinkler Heads, Pendent Type	675.00	pcs.														
3.0	STAND PIPE SYSTEM																
3.1	Fire Deparment Connection	2.00	set														
3.2	Roof Manifold 100 mm dia.	2.00	pcs.														
7.4.3	Check Valve, 100 mm dia.	2.00	pcs.														
7.4.9	Gate Valve, 100 mm dia.	2.00	pcs.														
7.4.10	Floor Control Valve Assembly, 100 mm dia.	5.00	Assy.														
4.0	HOSE STATIONS																
4.1	Fire Hose Cabinet incl. accessories	13.00	set														
5.0	FM GAS SYSYTEM																
5.1	FM 200 Gas System with complete accessories (incl. pipes, detection system, nozzle , alarm system and other accessories to complete the works	1.00	Assy.														
6.0	FIRE EXTINGUISHER																
6.1	Fire Extinguisher, 4.5 kg. CO2	11.00	pcs.														
6.2	Fire Extinguisher, 100 lbs. CO2, Wheeled Type	1.00	pcs.														
SUB - TOTAL																	
7.0	PIPES, VALVES AND FITTINGS																
7.1.1	BI Pipes 200 mm dia.(including fittings to complete the work) Schedule 40	75.00	I.m.														

DETAILED BREAKDOWN OF COMPONENT OF EACH ITEM
Expansion of Passenger Terminal Building at Davao International Airport
Davao Airport, Daang Maharlika HWY, Buhangin, Davao City, Davao del Sur

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	WL. %	DIRECT COST			ESTIMATED DIRECT COST	MARK-UPS IN PERCENT			TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
7.1.3	BI Pipes 100 mm dia.(including fittings to complete the work) Schedule 40	678.00	I.m.														
7.1.5	BI Pipes 65 mm dia.(including fittings to complete the work) Schedule 40	51.00	I.m.														
7.1.6	BI Pipes 50 mm dia.(including fittings to complete the work) Schedule 40	30.00	I.m.														
7.1.7	BI Pipes 40 mm dia.(including fittings to complete the work) Schedule 40	210.00	I.m.														
7.1.8	BI Pipes 32 mm dia.(including fittings to complete the work) Schedule 40	512.00	I.m.														
7.1.9	BI Pipes 25 mm dia.(including fittings to complete the work) Schedule 40	3,000.00	I.m.														
7.1.10	BI Tee 200 mm dia. Schedule 40	2.00	pcs.														
7.1.11	BI Tee 200 x 100 mm dia. Schedule 40	5.00	pcs.														
7.1.12	BI Tee 100 x 65 mm dia. Schedule 40	21.00	pcs.														
7.1.13	BI Tee 100 mm dia. Schedule 40	7.00	pcs.														
7.1.14	BI Tee 65 mm dia. Schedule 40	1.00	pcs.														
7.1.15	BI Tee 50 mm dia. Schedule 40	31.00	pcs.														
7.1.16	BI Tee 40 mm dia. Schedule 40	390.00	pcs.														
7.1.17	BI Tee 32 mm dia. Schedule 40	250.00	pcs.														
7.1.18	BI Tee 25 mm dia. Schedule 40	511.00	pcs.														
7.1.19	BI Blind Flange 100 mm dia. Sche. 40	3.00	pcs.														
7.1.20	BI Blind Flange 65 mm dia. Sche. 40	2.00	pcs.														
7.1.21	BI Slip-on Flange 200 mm dia. Sche. 40	8.00	pcs.														
7.1.22	BI Slip-on Flange 100mm dia. Sche. 40	13.00	pcs.														
7.1.23	BI Slip-on Flange 65 mm dia. Sche. 40	44.00	pcs.														
7.1.24	BI Slip-on Flange 50 mm dia. Sche. 40	10.00	pcs.														
7.1.25	25 mm dia. Union Patente	5.00	pcs.														
7.1.26	40 mm dia. Union Patente	5.00	pcs.														
7.1.27	Threadolet 50 mm dia.	36.00	pcs.														
7.1.28	Threadolet 40 mm dia.	47.00	pcs.														
7.1.29	Threadolet 32 mm dia.	60.00	pcs.														
7.1.30	Threadolet 25 mm dia.	27.00	pcs.														
7.1.31	Pipe Bracket and Support Fabricated and Installed	1.00	Lot														
7.4	VALVES AND FITTINGS																
7.4.1	Gate Valve , 25 mm dia.	5.00	pcs.														
7.4.2	Gate Valve , 40 mm dia.	5.00	pcs.														
7.4.3	Check Valve, 100 mm dia.	3.00	pcs.														
7.4.4	Ball Valve, 25 mm dia.	3.00	pcs.														
7.4.5	Ball Valve, 15 mm dia.	5.00	pcs.														
7.4.6	Pressure Gauge , 0- 300 psi	4.00	pcs.														
7.4.7	Sight Glass, 25 mm dia.	5.00	pcs.														
7.4.8	Automatic Air Vent	3.00	pcs.														
SUB - TOTAL																	
8.0	FIRE PUMP AND JOCKEY PUMP																
8.1	FIRE PUMP CAPACITY: 560 GPM @ 130 PSI TOTAL DYNAMIC HEAD, 75HP MOTOR, 400V, 3ø, 600Hz. Complete with UL/FM Controller and other standard accessories	1.00	unit														
8.2	JOCKEY PUMP CAPACITY: 10 GPM @ 140 PSI TOTAL DYNAMIC HEAD, 5HP MOTOR, 400V, 3ø, 600Hz. Complete with UL/FM Controller and other standard accessories	1.00	unit														
8.3	Testing and Commissioning	1.00	Lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 4200 - FIRE PROTECTION WORKS																	
TOTAL OF PART SECTION 4000 - MECHANICAL AND FIRE PROTECTION																	

DETAILED BREAKDOWN OF COMPONENT OF EACH ITEM
Expansion of Passenger Terminal Building at Davao International Airport
Davao Airport, Daang Maharlika HWY, Buhangin, Davao City, Davao del Sur

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					MATERIALS	LABOR	EQUIPMENT		OCM		Profit	%	VALUE				
SECTION SERIES 5000 : SANITARY																	
SECTION 5100 :WATER SUPPLY PIPE LINE																	
3.11.1	uPVC Pipe 100 mm dia. Incl. fittings	150.00	L.m.														
3.11.2	uPVC Elbow 100 mm dia.	4.00	pc/s.														
3.11.3	uPVC Tee 100 mm dia.	2.00	pc/s.														
3.11.4	B.I. Pipe 150 mm dia. Incl. fittings	250.00	L.m.														
3.11.5	Flange Connector 150 mm dia.	12.00	pc/s.														
3.11.6	Gate Valve 100 mm dia.	1.00	pc/s.														
3.11.7	Gate Valve 150 mm dia.	2.00	pc/s.														
3.11.8	Check Valve 100 mm dia.	1.00	pc/s.														
3.11.9	Steel Elbow 150 mm dia.	4.00	pc/s.														
3.11.10	Steel Tee 150 mm dia.	2.00	pc/s.														
3.11.11	FireHydrant , 100 mm dia. Inc. accessories	2.00	Assy.														
3.12	64 CU.M. Capacity , Concrete Cistern Tank	1.00	Lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 5100 -WATER SUPPLY LINE																	
SECTION 5200 :SANITARY AND PLUMBING SYSTEM																	
2.0	WATER LINE																
	PPR Pipes and Fittings																
2.1.1	15mm diameter PPR Pipes incl. Couplings	123.00	L.m.														
2.1.2	20mm diameter PPR Pipes incl. Couplings	55.00	L.m.														
2.1.3	25mm diameter PPR Pipes incl. Couplings	53.00	L.m.														
2.1.4	32mm diameter PPR Pipes incl. Couplings	65.00	L.m.														
2.1.5	40mm diameter PPR Pipes incl. Couplings	37.00	L.m.														
2.1.6	50mm diameter PPR Pipes incl. Couplings	87.00	L.m.														
2.1.7	65mm diameter PPR Pipes incl. Couplings	274.00	L.m.														
2.1.8	80mm diameter PPR Pipes incl. Couplings	18.00	L.m.														
	Elbow 90°																
2.1.9	15mm diameter	267.00	pcs.														
2.1.10	20mm diameter	123.00	pcs.														
2.1.11	25mm diameter	132.00	pcs.														
2.1.12	50mm diameter	65.00	pcs.														
2.1.13	65mm diameter	97.00	pcs.														
	Tee																
2.1.14	15mm diameter	89.00	pcs.														
2.1.15	20mm diameter	41.00	pcs.														
2.1.16	25mm diameter	96.00	pcs.														
2.1.17	50mm diameter	60.00	pcs.														
2.1.18	65mm diameter	137.00	pcs.														
	Tee reducer																
2.1.19	50x15mm diameter	29.00	pcs.														
2.1.20	50x20mm diameter	39.00	pcs.														
2.1.21	50x25mm diameter	53.00	pcs.														
2.1.22	65x50mm diameter	43.00	pcs.														
	Reducer																
2.1.25	65x50mm diameter	43.00	pcs.														
	Male Adaptor																
2.1.23	15mm diameter	89.00	ea														
2.1.24	20mm diameter	41.00	ea														
2.1.26	25mm diameter	44.00	ea														
	Female Threaded Elbow Adaptor																
2.1.27	15mm diameter	89.00	ea														
2.1.28	20mm diameter	41.00	ea														
2.1.29	25mm diameter	44.00	ea														
2.2	Gate Valves																
2.2.1	50mm diameter	17.00	ea														
2.2.2	65mm diameter	3.00	ea														
2.3.1	Hangers and Support	1.00	lot														
SUB - TOTAL																	
3.0	SANITARY SYSTEM																

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
	PVC Pipes and Fittings																
3.1.1	50mm diameter	708.00	I.m.														
3.1.2	100mm diameter	400.00	I.m.														
3.1.3	150mm diameter	455.00	I.m.														
3.1.4	200mm diameter	365.00	I.m.														
	Elbow 45°																
3.2.1	50mm diameter	452.00	ea														
3.2.2	100mm diameter	90.00	ea														
3.2.3	150mm diameter	43.00	ea														
3.2.3a	200mm diameter	2.00	ea														
3.2.3b	150mm X 200mm diameter	11.00	ea														
	Wye																
3.2.4	50mm diameter	75.00	ea														
3.2.5	100mm diameter	65.00	ea														
3.2.6	150mm diameter	35.00	ea														
	Wye Reducer																
3.2.7	50mm x 100 mm diameter	140.00	ea														
3.2.8	100mm x 150 mm diameter	55.00	ea														
3.2.8a	200mm x 150 mm diameter	6.00	ea														
	P-trap																
3.2.9	50mm diameter	141.00	ea														
	Floor Clean Out																
3.2.10	50mm diameter	25.00	ea														
3.2.11	100mm diameter	50.00	ea														
3.2.11a	200mm diameter	5.00	ea														
	Floor Drain																
3.2.12	50mm X 50 mm diameter	50.00	ea														
3.2.13	100mm X 100 mm diameter	20.00	ea														
	PVC reducer																
3.2.14	50X100mm diameter	44.00	ea														
	Roof Drain																
3.2.15	Combination Rood and Overflow Drain 200 mm diameter	13.00	ea														
3.2.16	Single Roof 200 mm diameter	6.00	ea														
	Vent System																
	PVC Pipes and Fittings																
3.3.2	75mm diameter	140.00	I.m.														
	Elbow 90°																
3.3.3	75mm diameter	55.00	ea														
3.3.4	200mm diameter	45.00	ea														
	Sanitary tee																
3.3.5	50mm diameter	311.00	ea														
3.3.6	100mm diameter	44.00	ea														
	Sanitary tee reducer																
3.3.7	100x50 mm diameter	141.00	ea														
3.3.8	150mm diameter Steel Rood drain w/P-3 and drainage pit with necessary accessories/miscellaneous items	15.00	ea														
3.3.9	Hangers and Support	1.00	lot														
SUB - TOTAL																	
4.0	Plumbing and Sanitary Fixtures incl. Accessories to complete the works																
2.4.1	(T1) SENSOR FLUSH TYPE - WATER CLOSET complete with necessary accessories/miscellaneous items.	43.00	sets														
2.4.2	(T2) UNDER COUNTER TYPE LAVATORY WITH SENSOR TYPE FAUCET complete with necessary accessories/miscellaneous items.	40.00	sets														
2.4.3	(T3) SENSOR TYPE - URINAL complete with necessary accessories/miscellaneous items.	41.00	sets														
2.4.4	(T4) WALL MOUNTED TYPE LAVATORY complete with necessary accessories/miscellaneous items.	5.00	sets														
2.4.5	(T16) FLUSH TYPE - WATER CLOSET complete with necessary accessories/miscellaneous items.	1.00	sets														
2.4.6	(T17) SHOWER SET complete with necessary accessories/miscellaneous items.	2.00	sets														

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
2.4.7	(T19) Wall Mounted Janitor's Sink, type and color as per Architect/ owner's approval	2.00	sets														
2.4.8	STAINLESS STEEL HYGENIC SPRAY complete with necessary accessories/miscellaneous items.	44.00	sets														
SUB - TOTAL																	
5.0	Pumps and Accessories (Including civil works, electrical and mechanical works to complete the works)																
5.1.1	Elavator Pit Sump Pump, 25 GPM, 40 FT, 1HP, 230V, 1P, 60Hz	4.00	ea														
5.1.2	Gate Valve 50mm diameter	8.00	ea														
5.1.3	Flexible Hose 50mm diameter	16.00	l.m.														
5.1.4	Check Valve 63mm diameter	8.00	ea														
5.1.5	Mechanical Clamp 50mm diameter	8.00	ea														
5.1.6	Escalator Pump, 25GPM, 40 FT, 1HP, 230V, 1P, 60Hz	4.00	ea														
5.1.7	Oil Interceptor, 100 GPM, 1750 RPM	1.00	ea														
5.2	Supply and Installed Hydro-Pneumatic Tanks (1.20 m Dia. X 3.00m Length) including Pumps, Valves and other Accessories for Potable and Non-Potable Water	1.00	ea.														
SUB - TOTAL																	
TOTAL OF PART SECTION 5200 - SANITARY AND PLUMBING WORKS																	
TOTAL OF PART SECTION 5000 - SANITARY																	
SECTION SERIES 6000 : ELECTRICAL WORKS																	
SECTION 6100 :POWER SUPPLY SYTEM																	
3.2.1	POWER TRANSFORMER, PADMOUNT, OIL COOLED 3ø 2000KVA 13.8/14.4Kv PRIMARY VOLTAGE, 400/230 VOLTS SECONDARY VOLTAGE.	1.00	Assy														
3.2.2	HIGH VOLTAGE SWITCHGEAR (HVSG), 15KV, 100A, OUTDOOR TYPE	1.00	Assy														
3.2.3	GENERATOR SET, 3ø 350KVA 400/230VOLTS, 60HERTZ, STANDBY DUTY, SILENT TYPE	6.00	unit														
3.2.4	GENERATOR SYNCRONIZING PANEL FOR 6-350KVA 3PHASE 400/230VOLTS WYE 60HERTZ STANDBY-DUTY GENERATOR HOSTS, 2000KVA POWER HANDLING CAPABILITY	1.00	Assy														
3.2.5	PRIMARY METERING; 3SETS-POTENTIAL TRANSFORMERS 15KV/230V; 3SETS-MV CURRENT TRANSFORMERS; 3ø DEMAND METER & OTHERS	1.00	lot														
3.2.6	LOW VOLTAGE SWITCHGEAR; MAIN BREAKERS: 2- 4P3000AT/AF 120KAIC AUTO-SWITCHING (COMPARTMENTS 1 & 2); BRANCHES: 2-4P1000AT/AF 100KAIC (COMPARTMENT 3 & 4); 1-4P400AT/AF 65KAIC (COMPARTMENT 5);2- 4P350AT/400AF 65KAIC (COMPARTMENT 5); NEMA 3R ENCLOSURE COMPLETE WITH METERINGS, INDICATOR LAMPS, GROUNDING BUS	1.00	Assy														
3.2.7	LOW VOLTAGE SWITCHBOARD (LVSB), SEE PLSND A& SPECS OR SEE BELOW, COMP1: MDP, COMP2: WCPHP, COMP3: AHUP, COMP4: SPACE, COMP5: SPACE; NEMA 3R ENCLOSURE COMPLETE WITH METERINGS, INDICATOR LAMPS, GROUNDING BUS	1.00	Assy														
3.2.8	MV CONCRETE PEDESTAL SERVICE ENTRY; 13.8KV, 3ø WITH 4- 100MM DIA. PVC & OTHERS	1.00	lot														
3.2.9	POWER CABLE AND TERMINATION KIT (XLPE CABLE; 15KV, SINGLE CORE, 100MM² - 630 METERS AND 4 SETS HIGH VOLTAGE TERMINATION KIT; 4P)	1.00	lot														
3.2.10	THW COPPER WIRE 250MM² 99.99% COPPER	3,000.00	m														
3.2.11	THW COPPER WIRE 50MM² 99.99% COPPER	1,067.00	m														
3.2.12	Civil works (UNDERGROUND DUCT, PEDESTALS & FENCING, POST, HAND HOLES and other necessary works to complete the system)	1.00	lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 6100-POWER SUPPLY SYTEM																	

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					MATERIALS	LABOR	EQUIPMENT		OCM		Profit	%	VALUE				
SECTION 6200 POWER FEEDER SYSTEM SYSTEM																	
1.1	Wires and Cables																
1.1.1	THW COPPER WIRE 250MM²	1,200.00	m.														
1.1.2	THW COPPER WIRE 60MM²	7,040.00	m.														
1.1.3	THW COPPER WIRE 50MM²	4,880.00	m.														
1.1.4	THW COPPER WIRE 22MM²	2,347.00	m.														
1.1.5	THW COPPER WIRE 14MM²	1,493.00	m.														
1.1.6	THWN COPPER WIRE 22MM²	1,500.00	m.														
1.1.7	THWN COPPER WIRE 14MM²	1,500.00	m.														
1.1.8	THWN COPPER WIRE 8MM²	3,000.00	m.														
1.1.9	THWN COPPER WIRE 5.5MM²	6,000.00	m.														
1.1.10	THWN COPPER WIRE 3.5MM²	15,000.00	m.														
1.2	Conduits/Raceways																
1.2.1	IMC CONDUIT WITH COUPLING & ELEBOW, 80MMØ x 3m	30.00	length														
1.2.2	IMC CONDUIT WITH COUPLING & ELEBOW, 50MMØ x 3m	60.00	length														
1.2.3	IMC CONDUIT WITH COUPLING & ELEBOW, 40MMØ x 3m	60.00	length														
1.2.4	IMC CONDUIT WITH COUPLING & ELEBOW, 32MMØ x 3m	60.00	length														
1.2.5	IMC CONDUIT WITH COUPLING & ELEBOW, 25MMØ x 3m	80.00	length														
1.2.6	IMC CONDUIT WITH COUPLING & ELEBOW, 20MMØ x 3m	250.00	length														
1.2.7	IMC CONDUIT WITH COUPLING & ELEBOW, 15MMØ x 3m	1,100.00	length														
1.2.8	80mmØ LOCKNUT AND BUSHING	24.00	pairs														
1.2.9	50mmØ LOCKNUT AND BUSHING	30.00	pairs														
1.2.10	40mmØ LOCKNUT AND BUSHING	30.00	pairs														
1.2.11	32mmØ LOCKNUT AND BUSHING	30.00	pairs														
1.2.12	25mmØ LOCKNUT AND BUSHING	30.00	pairs														
1.2.13	20mmØ LOCKNUT AND BUSHING	90.00	pairs														
1.2.14	15mmØ LOCKNUT AND BUSHING	90.00	pairs														
1.3	Boxes and Ladder																
1.3.1	UTILITY BOX, DEEP TYPE, GAGE#18	1,600.00	Pcs														
1.3.2	JUNCTION BOX, DEEP TYPE, GAGE#19	1,600.00	Pcs														
1.3.3	CABLE TRAY ASSEMBLY, 1000MM WIDTH, 300MM DEPTH x 2400MM LENGTH; CAN SUPPORT 8-80MMØ IMC CONTAINING 4-250SQMM WIRES EACH, COVERED AND HOT DIPPED GALVANIZED	23.00	lengths														
1.3.4	CABLE TRAY ASSEMBLY, 1200MM WIDTH, 300MM DEPTH x 2400MM LENGTH; CAN SUPPORT 8 x 4-250SQMM WIRES EACH, COVERED AND HOT DIPPED GALVANIZED	42.00	lengths														
1.3.5	CABLE TRAY ASSEMBLY, 700MM WIDTH, 300MM DEPTH x 2400MM LENGTH; CAN SUPPORT10 X 4-60SQMM WIRES EACH, COVERED AND HOT DIPPED GALVANIZED	42.00	lengths														
SUB - TOTAL																	
TOTAL OF PART SECTION 6200-POWER FEEDER SYTEM																	
SECTION 6300 LIGHTING AND WIRING DEVICE SYSTEM																	
2.1.0	Wiring Devices																
2.1.1	DUPLEX CONVENIENCE OUTLET	630.00	Sets														
2.1.2	ONE GANG CONVENIENCE OUTLET	128.00	Sets														
2.1.3	3-GANG LIGHTING SWITCH, WITH PLATE	320.00	Sets														
2.1.4	2-GANG LIGHTING SWITCH, WITH PLATE	253.00	Sets														
2.1.5	1-GANG LIGHTING SWITCH, WITH PLATE	185.00	Sets														
2.1.6	3WAY LIGHTING SWITCH, WITH PLATE	53.00	Sets														
2.2.0	Lighting Fixtures																
2.2.1	6" ACCENT DOWNLIGHT	260.00	Sets														
2.2.2	6" PINLIGHT	275.00	Sets														
2.2.3	8" SURFACE MOUNTED LIGHT	1,025.00	Sets														
2.2.4	1200mm x 600mm LED PANEL LIGHT	90.00	Sets														

DETAILED BREAKDOWN OF COMPONENT OF EACH ITEM
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Davao Airport, Daang Maharlika HWY, Buhangin, Davao City, Davao del Sur

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	WL%	DIRECT COST			ESTIMATED DIRECT COST	MARK-UPS IN PERCENT			TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
2.2.5	1200mm x 300mm TROFFER LIGHT	152.00	Sets														
2.2.6	4" DIRECTIONAL LIGHT	62.00	Sets														
2.3	Panel Boards, ECB's, MTS, etc.																
2.3.1	AHUP PANELBOARD (SEE PLANS, LOAD SCHEDULE)	1.00	Assy.														
2.3.2	TLP PANELBOARD (SEE PLANS, LOAD SCHEDULE)	1.00	Assy.														
2.3.3	FPP PANELBOARD (SEE PLANS, LOAD SCHEDULE)	1.00	Assy.														
2.3.4	DP1 PANELBOARD (SEE PLANS, LOAD SCHEDULE)	1.00	Assy.														
2.3.5	DP2 PANELBOARD (SEE PLANS, LOAD SCHEDULE)	1.00	Assy.														
2.3.6	DP3 PANELBOARD (SEE PLANS, LOAD SCHEDULE)	1.00	Assy.														
2.3.7	ME1 PANELBOARD (SEE PLANS, LOAD SCHEDULE)	1.00	Assy.														
2.3.8	ME2 PANELBOARD (SEE PLANS, LOAD SCHEDULE)	1.00	Assy.														
2.3.9	FAN PANELBOARD (SEE PLANS, LOAD SCHEDULE)	1.00	Assy.														
2.3.10	TYPICAL PANELBOARD, LP1-, PP1 & PP2 (SEE PLANS, LOAD SCHEDULE)	7.00	Assy.														
2.3.11	METER CENTER, FOR 12 UNITS CONCESSIONAIRES(SEE PANS)	2.00	Assy.														
SUB - TOTAL																	
TOTAL OF PART SECTION 6300-LIGHTING AND WIRING DEVICE SYSTEM																	
TOTAL OF PART SECTION 6000 -ELECTRICAL WORKS																	
SECTION SERIES 7000 : TELECOMMUNICATION																	
SECTION 7100 TELEPHONE AND DATA SYSTEM																	
6.3.1	PABX Telephone System,complete installation and deliveries with complete accessories , cables, conduit, testing ,warranty and other miscellenous items to complete the works ISDN Primary Interface Board 1.00 pc, VoIP Daugther Board/Card 1.00 pc, 8L Analog Line (SLT) Circuit Board Extention Card 1.00 pc, 4L Analog Line (SLT) Expansion Circuit Board 1.00 pc, 2nd generation main CPU 1.00 pc, SD Card (2GB) 1.00 pc, 4L Analog Trunk Board 1.00 pc, 4L Analog Trunk Expansion Board 2.00 pc, Doorbox/Page/Audio Adapter 1.00 pc ,SYSTEM PORT IP Trunk Channels License 128.00 pc, IP PHONE-01 LIC 35.00 pc, IP TRUNK-01 LIC 16.00 pc PBX License 1.00 lot, Analog Terminal Basic Model (Asia) 10.00 pc, 12 Button DT920 with LCD 35.00 pc, 12 Button DT920 with LCD 1.00 pc, 3 Yrs warranty and SWA 1.00 lot, Roughing ins materials (Entrance Conduit) 1.00 lot, 12-core Fiber Optic Cable, 50/125um, Multimode, Indoor Type 600.00 mtrs, 12-port LIU Fiber Panel loaded w/ SC/ST Couplers, Duplex, Multimode 6.00 sets, SC Connectors, Multimode 35.00 pcs ,SC - LC Fiber Patch Cord, 50/125um, Multimode, 2 meters length 10.00 pcs	1.00	Lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 7100-TELEPHONE AND DATA SYSTEM																	
SECTION 7200 CABLE TV SYSTEM																	

DETAILED BREAKDOWN OF COMPONENT OF EACH ITEM
Expansion of Passenger Terminal Building at Davao International Airport
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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
6.4.1	DESCRIPTION : Cable TV System with complete deliveries, installation and accessories including cables, conduits , supports , testing , warranty and other miscellaneous items to complete the work: RG11 Coaxial Cable, 75ohms, 60% Braid Black (305m/Rl) 250.00 lm ,Set Top Box (STB) 5.00 pcs Encoder Main Shelf w/ Redundant power 1.00 pc HD HDMI Encoding Module 5.00 pcs, HD IP to SDI/HDMI/VGA Video Decoder 8.00 pcs, Desktop PC 1.00 set, 55" UHD TV 8.00 pcs ,Roughing ins materials (Entrance Conduit) 1.00 lot, 42RU Cabinet 1.00 set, Spares 1.00 lot, RG6 Solid Bare Copper Conductor 21% CCS, 95% Bare Copper Braid Shield Coaxial Cable Black (305mtr) 450.00 lm, Trunk Amplifier Outdoor Bi-Directional w AGC/ASC, 32dB, 42/54mhz - 4RF Output" 4.00 PC ,Power Supply 60VAC / 15Amp 2.00 PC ,RG 11 F Connector, Compression Type 50.00 PC, 4 Core OM3 Indoor Fiber Optic Cable 150.00 l.m.	1.00	Lot														
6.4.2	Local Area Network (LAN) System with complete deliveries, installation and accessories including cables, conduits , supports , testing , warranty and other miscellaneous item to complete the work: SFP 1g 2.00 pc, SFP 10g 1.00 pc, Access Switch, non-PoE (24P) 1.00 set, License 1.00 pc, SFP 10g 1.00 pc , Access Switch, PoE+ 4.00 set, License 4.00 set, SFP 1g 3.00 pc, SFP 10g 1.00 pc , Firewall 1.00 set, License 1.00 set, License, management, central Core Switch 1.00 set License, management, central Server Switch 1.00 set, License, management, central Access Switch 8.00 set, Telecom Cabinet 1.00 lot Workstation 1.00 set ,	1.00	Lot														
6.4.3	Wi-Fi System with complete deliveries, installation and accessories including cables, conduits , supports , testing and warranty Access Point 1 7.00 , set License 7.00 set, Bracket 7.00 pc, Access Point 2 3.00 set, License 2.00 set , Bracket 2.00 pc, License, management, central Access PointsSwitch 9.00 set, Spares 1.00 lot	1.00	Lot														
6.4.4	Uninterruptible Power System with complete deliveries, installation and accessories including cables, conduits , supports , testing and warranty 20KVA UPS - Telecom Room 1.00 pc, 2KVA UPS - CCTV Video wall 1.00 pc External Battery for 2KVA UPS 1.00 pc 1KVA/600W UPS for CCTV workstation 1.00 pc, 20KVA UPS - Telecom Room 1.00 pc, 2KVA UPS - CCTV Video wall 1.00 pc, External Battery for 2KVA UPS 1.00 pc, 1KVA/600W UPS for CCTV workstation 1.00 pc , SNMP for Intelligent monitoring 1.00 pc Distribution Panel 8-gang with breaker 2.00 pc, By-pass Panel 1.00 pc 2x 22mmsq THHW, (L,N) 100.00 meters 1 x 8mmsq THHN (Gnd) 100.00 meters Warranty extension for 1 yr. 2.00 lot SNMP for Intelligent monitoring 1.00 pc Distribution Panel 8-gang with breaker 2.00 pc By-pass Panel 1.00 pc 2x 22mmsq THHW, (L,N) 100.00 meters 1 x 8mmsq THHN (Gnd) 100.00 meters Warranty extension for 1 yr. 2.00 lot	1.00	Lot														

DETAILED BREAKDOWN OF COMPONENT OF EACH ITEM
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					MATERIALS	LABOR	EQUIPMENT		OCM		Profit	%	VALUE				
SUB - TOTAL																	
TOTAL OF PART SECTION 7200-CABLE TV SYSTEM																	
SECTION 7300 PUBLIC ADDRESS SYSTEM																	
6.5.1	Public address sytem complete installation and deliveries including complete accessories, cables, racks, conduits, testing, warranty and other miscellaneous item to complete the work: LCD desktop call station 5.00 pc, Call station extension 3.00 pc, Fireman's Microphone 1.00 pc, Ceiling loudspeaker 96.00 pc, Metal fire dome 96.00 pc ,Horn loudspeaker 3.00 pc Cabinet loudspeaker, outdoor 1.00 pc, Cabinet loudspeaker, indoor 17.00 pc ,End of line 8.00 pc ,DSP matrix 24x24 channels 1.00 set Ambient noise sensor 4.00 pc ,Column loudspeaker 11.00 pc, BGM source 1.00 pc Battery 1.00 pc, Telecom cabinet 1.00 lot Spares 1.00 lot, Roughing-ins, accessories, connectors and ancillaries 1.00 lot, 16 AWG, 2 CONDUCTORS, WHITE JACKET, 500FT BOX. Premium 16 gauge speaker cable, featuring 65 strand OFC conductors and a super-luxe outer jacket. Built to exacting standards with zero compromises. 5,000.00 m	1.00	Lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 7300-PUBLIC ADDRESS SYSTEM																	
SECTION 7400 MASTER CLOCK SYSTEM																	
6.6.1	Master Clock System complete deliveries and installation including complete accessories, cables, conduits, testing , warranty and other miscellaneous item to complete the work: Time Server 1.00 pc, Digital Display Clock, 5cm 6-digit, 20m viewing 2.00 pcs , Digital Display Clock, 7cm 6-digit, 30m viewing 3.00 pcs, Digital Display Clock, 10cm6-digit, 40m viewing 6.00 pcs Double-sided bracket 2.00 pcs , Multi-zone Digital Display Clock, 5cm digits, 20m viewing 1.00 pc , Spares 1.00 lot, GPS Antenna 1.00, PC Cable, 75ohms, 60% Braid Black 1,000.00 lm , 16 AWG, 2 CONDUCTORS, WHITE JACKET 1,250.00 lm	1.00	Lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 7400-MASTER CLOCK SYSTEM																	
SECTION 7500 IP CCTV SYSTEM																	
6.7.1	CCTV System complete deliveries and installation including complete accessories, cables, conduits, testing ,warranty and other miscellaneous item to complete the work: Dome varifocal camera 3.00 pc, Dome fixed camera 3.00 pc, Bullet fixed camera 1.00 lot, PTZ 42x camera 9.00 pc ,Pendant w/ JB 4.00 set ,PTZ 25x camera 4.00 pc, Pendant mount 1.00 pc Temperature screening camera 2.00 pc Tripod 1.00 set , NVR (channels dependent on camera count) 1.00 set, HDD, 10TB 1.00 set, CCTV TV, 55in 8.00 set, Vesa mount 1.00 set Decoder 1.00 lot Keyboard 5.00 set , Server 1.00 set, License, base - 64ch 1.00 set, License - Video wall 1.00 set, License - face recognition 8.00 set, License - temperature screening 1.00 set , Telecom Cabinet 1.00 lot Workstation 5.00 set, Accessories 1.00 lot Spares 1.00 lot	1.00	Lot														

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
6.7.2	Access Control system complete installation and deliveries including complete accessories, cables, conduits, testing, warranty and other miscellaneous items to complete the work ACCESS CONTROLLER 13.00 unit, CARD READER 32.00 unit, FACE TERMINAL 6.00 unit, RFID CARD 1,000.00 pc MAGNETIC LOCK 35.00 unit, PUSH-TO-EXIT BUTTON 19.00 pc, EMERGENCY BREAK GLASS 27.00 pc, CARD ISSUER 1.00 unit, CARD PRINTER 1.00 unit, ACCESS CONTROLLER 1.00 unit, FACE TERMINAL 1.00 unit, Roughing-ins, accessories, etc 1.00 lot	1.00	Lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 7500-IP CCTV SYSTEM																	
SECTION 7600 FIRE DETECTION ALARM SYSTEM																	
6.8.1	Fire detection and alarm system complete installation and deliveries including complete accessories, cables and wires, conduits, testing, warranty and other miscellaneous items to complete the work: Fire Alarm Control Panel (FACP), 6 Loops 1.00 pc Battery, 12VDC 2.00 pcs Smoke Detector, Addressable 115.00 pcs Smoke Detector, Base, Addressable 10.00 pcs Heat Detector, Base, Addressable 10.00 pcs Annunciator 4.00 pcs Manual Pull Station 9.00 pcs Horn Strobe 6.00 pcs Supervised Output Module 7.00 pcs Dual Relay Module 5.00 pcs Dual Input Monitor Module 5.00 pcs AVR, 1000w 1.00 pc Shielded Fire Alarm Cable #16, 2c 44.00 rolls Roughing-in 1.00 lot, Spares 1.00 lot Wirings (TF Wire #16), single wire 10,250.00 l.m.	1.00	Lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 7600-FIRE DETECTION ALARM SYSTEM																	
SECTION 6900 FLIGHT INFORMATION DISPLAY SYSTEM (FIDS)																	
6.9.1	Flight information display System with complete deliveries, installation and accessories including cables, conduits, supports, testing, warranty and other miscellaneous items to complete the work: FIDS - 55" TV (Indoor) with Android device and licenses 1.00 lot FIDS - 43" TV (Indoor) with Android device and licenses 7.00 lot FIDS - 43" TV (Outdoor) with Android device, licenses and encasement 2.00 lot, FIDS - 32" TV (Indoor) with Android device and licenses 18.00 lot Integration with existing FIDS 1.00 lot Installation materials, wirings and accessories 1.00 lot, Spares 1.00 lot	1.00	Lot														
SUB - TOTAL																	
TOTAL OF PART SECTION 7600-FIRE DETECTION ALARM SYSTEM																	
TOTAL OF PART SECTION 7000-TELECOMMUNICATION																	
SECTION SERIES 8000 : SPECIAL EQUIPMENT																	

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					MATERIALS	LABOR	EQUIPMENT		OCM	Profit		%	VALUE				
	SECTION 8100 : ELEVATORS AND ESCALATORS																
	Supply and Installed including electrical, mechanical and civil works to complete the works																
1.1	Elevator (Capacity 21 persons)	3.00	Unit														
1.2	Escalator (Capacity 600 person /hr.)	4.00	Unit														
	SUB - TOTAL																
	TOTAL OF PART SECTION 8100 -ELEVATORS AND ESCALATORS																
	SECTION 8200 :BAGGAGE HANDLING SYSTEM																
	Supply and Installed including electrical, mechanical and civil works to complete the works																
1.1	Baggage Handling System	2.00	units														
	SUB - TOTAL																
	TOTAL OF PART SECTION SECTION 8200 -BAGGAGE HANDLING SYSTEM																
	SECTION 8300 : AIRPORT SECURITY & SAFETY SYSTEM																
1.1	XRAY LUGGAGE SCANNER	7.00	units														
1.2	WALK THRU METAL DETECTOR	6.00	units														
1.3	ACCESS CONTROL SYSTEM TRIPOD GATE	4.00	units														
1.4	SELF SERVICE CHECK IN SYSTEM(TOUCH SCREEN)	5.00	units														
	TOTAL OF PART SECTION 8300 : AIRPORT SECURITY & SAFETY SYSTEM																
	TOTAL OF PART SECTION 8000 - SPECIAL EQUIPMENT																
	GRAND TOTAL COST																