

Republic of the Philippines
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

BID BULLETIN NO. 04

8 March 2023

- I.** Attention is hereby invited to the Bidders of **BUKIDNON AIRPORT DEVELOPMENT PROJECT CY2022.**
- II.** Please be informed of the following issues/clarifications:

Issues/Queries	Clarification/s
<i>Detailed Unit Price Analysis (DUPA) and Bill of Materials and Cost Estimate Format</i> Clarification of the difference of two formats	For the main item A-Z and FF-II, use the Bill of Materials and Cost Estimate Format. For the Main Item AA-EE, use the Detailed Unit Price Analysis (DUPA) Format. Please refer to the item description of Bill of Materials and Cost Estimate for your reference.
<i>Main Item U & W: Construction of Pumphouse A & C</i> Clarification in the plans.	The plan that was provided has errors. <i>Bukidnon Airport Development Project CY2022 (Construction of Pumphouse A&C) Sheet No. M-1</i> was intended for Pumphouse A only. Please see attached supplemental plans for the Pumphouse C.
<i>Main Item Y: Construction of Transformer Yard (2-Units) and Transformer Pad at PTB</i> Requesting of plans	Plans for Construction of Transformer Yard (2-Units) and Transformer Pad at PTB are INCLUDED in the approved plans for Construction of Powerhouse.
<i>Main Item HH: Construction of Water Impounding System</i> Requesting of plans	Plans for Construction of Water Impounding System are INCLUDED in the approved plans for Construction of (13) Units Lifting Station with (26) Service Manhole.
<i>Main Item HH: Construction of Water Impounding System</i> Requesting of plans.	Plans for Construction of Water Impounding System are INCLUDED in the approved plans for Construction of (13) Units Lifting Station with (26) Service Manhole.

Issues/Queries:

Main Item HH: Construction of Water Impounding System

Discrepancy of Bill of Quantities and Scope of Work of Item No. 1.03 Polyethylene Sheets.

Clarification/s:

The Bill of Quantities at bidding documents that was provided has errors.

Original:

NAME OF PROJECT :		BUKIDNON AIRPORT DEVELOPMENT PROJECT CY 2022			
DESCRIPTION :		HH- CONSTRUCTION OF WATER IMPOUNDING SYSTEM			
LOCATION :		Maraymaray, Don Carlos, Bukidnon			
SUBJECT :		Bill of Quantities and Cost Estimates			
ITEM	DESCRIPTION	QUANTITY	UNIT	QUANTITY	UNIT
1.00	CIVIL/STRUCTURAL WORKS				
1.03	Polyethylene Sheet				
A	Material				
	1.32m x 50m x 0.75mm Polyethylene Sheet		rolls		

Revised:

NAME OF PROJECT :		BUKIDNON AIRPORT DEVELOPMENT PROJECT CY 2022			
DESCRIPTION :		CONSTRUCTION OF WATER IMPOUNDING SYSTEM			
LOCATION :		Maraymaray, Don Carlos, Bukidnon			
SUBJECT :		Bill of Quantities and Cost Estimates			
ITEM	DESCRIPTION	QUANTITY	UNIT	QUANTITY	UNIT
1.00	CIVIL/STRUCTURAL WORKS			5,325.32	sq.m.
1.03	Polyethylene Sheet				
A	Material				
	1.32m x 50m x 0.75mm Polyethylene Sheet		rolls		AMOUNT

Issues/Queries:*Main Item X: Construction of Powerhouse*

Clarification for the material requirements:

Automatic Transfer Switch (ATS), Transformers, Generator Set and Fuel Storage Tank

Clarification/s:

- Please refer to Bidding Documents Part II Page No. 369 of 720 for the requirements of generator set and transformers.

NAME OF PROJECT :		BUKIDNON AIRPORT DEVELOPMENT PROJECT CY 2022			
DESCRIPTION :		X. CONSTRUCTION OF POWERHOUSE			
LOCATION :		Maraymaray, Don Carlos, Bukidnon			
SUBJECT :		Bill of Materials & Cost Estimate			
ITEM	DESCRIPTION	QUANTITY	UNIT	QTY. 5.00	UNIT assy
3.00	ELECTRICAL WORKS				
3.09	Power Supply				
A	Materials				
	TR-PTB, Padmounted Transformer, 500KVA, 460V - 230V, 3Ø, 60Hz.	1.00	assy		
	TR-DPPH, Padmounted Transformer, 500KVA, 460V - 230V, 3Ø, 60Hz.	1.00	assy		
	TR-PTB, Padmounted Transformer, 250KVA, 460V - 230V, 3Ø, 60Hz.	1.00	assy		
	Diesel Engine Generator Set, 1000kVA, 460V, 3Ø, 60Hz.	2.00	sets		
			Material Cost	

- Please refer to Bidding Documents Part II Page No. 368 of 720 for the requirements of automatic transfer switch (ATS).

	Synchronizing Panel with ATS - Freestanding Enclosure 3Ø, 4W, 460V, 60 Hz with ground bus & neutral busbar Common busbar rated 4000Amps, 3P+N+G GCB-1 ACB rated 1250AT, 3P, 65KAIC, 460V, Drawout Type with Micrologic 6.0E GCB-2 ACB rated 1250AT, 3P, 65KAIC, 460V, Drawout Type with Micrologic 6.0E With synchronizing controller, metering, wiring and other standard accessories to complete the system Feeder-1: ACB rated 4000AT, 3P, 65KAIC, 460V, Drawout type with Micrologic 6.0E Feeder-2 ATS 4000A: 4000A, 3P, Changeover switch type, contact plasma ATS Controller with battery and battery charger, open transition technology	1.00	assy		
			Material Cost	

- Please refer to Bidding Documents Part II Page No. 375 of 720 for the requirements of fuel storage tank.

NAME OF PROJECT :		BUKIDNON AIRPORT DEVELOPMENT PROJECT CY 2022			
DESCRIPTION :		X. CONSTRUCTION OF POWERHOUSE			
LOCATION :		Maraymaray, Don Carlos, Bukidnon			
SUBJECT :		Bill of Materials & Cost Estimate			
ITEM	DESCRIPTION	QUANTITY	UNIT	QUANTITY 1.00	UNIT assy.
4.00	MECHANICAL WORKS				
4.03	Fuel Oil Handling System				
A	Materials				
	Fuel Oil Storage Tank, On ground, horizontal cylindrical type tank with low carbon roller steel gage thickness of 6 mm. (15/64") complete with fill line, level gauge, manual sounding line, inlet/outlet connections, vent, drain connection outlets, ladder/railing, manhole and other standard fittings and accessories Tank Volume: 22,432 Liters (5,934.39 gal) Dimensions (Dia x L): 2,500 mmØ x 5,000 mm Connections: 65 mmØ (inlet), 50 mmØ (outlet)	1.00	set		AMOUNT

Issues/Queries:

Main Item BB: Construction of Rescue and Fire Fighting Facility

Clarification in the bill of quantities.

Clarification/s:

The Bill of Quantities at bidding documents that was provided has errors. Item No. 1001(1) a2.3 will be added.

Bidding Documents Part I Page No. 518 of 604

Original:

1002 (28) a2.8	Gate Valve, 20 mm dia.	4.00	each		
	Amount in Words:				
1002 (29) f.2	Water Meter Assembly, 50 mm dia, includes Gate Valve, Check Valve, G.I Pipe and fittings and other accessories to complete the system.	1.00	piece		
	Amount in Words:				
	SEWER SYSTEM				
	Unplasticized Polyvinyl Chloride (UPVC) conforming to ASTM D2729 series 1000, including pipe and fittings, miscellaneous consumables and other necessary accessories to complete the system.				
	UPVC Pipe including fittings				
1001 (1) a3.1	100 mm dia. x 3.0 m	62.70	pieces		
	Amount in Words:				
1001 (1) a2.1	75 mm dia. x 3.0 m	12.30	pieces		
	Amount in Words:				
1001 (1) a1.1	50 mm dia. x 3.0 m	9.00	pieces		
	Amount in Words:				
1001 (1) a1.2	UPVC Condensate Drain Pipe including fittings 50 mm dia. x 3.0 m	6.00	pieces		
	Amount in Words:				
	Unplasticized Polyvinyl Chloride (UPVC) conforming to ASTM D2729 series 1000, including pipe and fittings, pipe supports, miscellaneous consumables and other necessary accessories to complete the system.				
	UPVC Pipe (Above Ceiling) including fittings				
1001 (1) a3.2	100 mm dia. x 3.0 m	1.00	pieces		
	Amount in Words:				
1001 (1) a1.3	50 mm dia. x 3.0 m	0.70	pieces		
	Amount in Words:				

Revised:

1002 (25) a2.8	Gate Valve, 20 mm dia.	4.00	each		
	Amount in Words:				
1002 (23) f.2	Water Meter Assembly, 50 mm dia, includes Gate Valve, Check Valve, 6.1 Pipe and fittings and other accessories to complete the system	1.00	piece		
	Amount in Words:				
	SEWER SYSTEM				
	Unplasticized Polyvinyl Chloride (uPVC) conforming to ASTM D2729 series 1000, including pipe and fittings, miscellaneous consumables and other necessary accessories to complete the system				
1001 (1) a3.1	uPVC Pipe including fittings 100 mm dia. x 3.0 m	62.70	pieces		
	Amount in Words:				
1001 (1) a2.1	75 mm dia. x 3.0 m	12.30	pieces		
	Amount in Words:				
1001 (1) a3.1	50 mm dia. x 3.0 m	9.00	pieces		
	Amount in Words:				
	uPVC Condensate Drain Pipe including fittings				
1001 (1) a3.2	50 mm dia. x 3.0 m	6.00	pieces		
	Amount in Words:				
	Unplasticized Polyvinyl Chloride (uPVC) conforming to ASTM D2729 series 1000, including pipe and fittings, pipe supports, miscellaneous consumables and other necessary accessories to complete the system				
	uPVC Pipe (Above Ceiling) including fittings				
1001 (1) a3.2	100 mm dia. x 3.0 m	1.00	pieces		
	Amount in Words:				
1001 (1) a2.3	75 mm dia. x 3.0 m	0.70	pieces		
	Amount in Words:				
1001 (1) a3.3	50 mm dia. x 3.0 m	0.70	pieces		
	Amount in Words:				

Issues/Queries:

Equipment Requirements

Clarification in specification and capacity of equipment.

Clarification/s:

Please be informed that any brand/model of equipment will be considered as long as the specifications and capacity are the same or higher as required in the bidding documents.

- III.** This Bid Bulletin should be included in the Technical Requirements and be marked accordingly. These will serve 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. Bidders are not required to include the sub attachments of the provided Bid Bulletins.

For the information and guidance of all concerned.

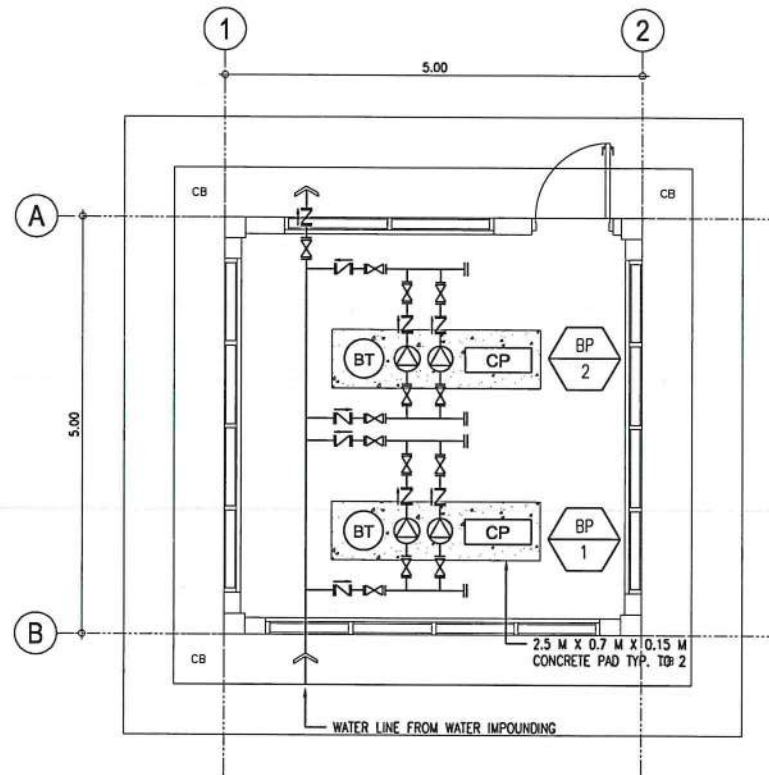


CAPTAIN EDGARDO G. DIAZ

Chairperson, Bids and Awards Committee

GENERAL NOTES

1. IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY PIPE FITTING, VALVE AND APPURTENANCE. ALL SUCH ITEMS WHETHER SPECIFICALLY MENTIONED OR NOT, OR INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED IF NECESSARY TO COMPLETE THE SYSTEM TO THE SATISFACTION OF THE OWNER.
2. ALL PLUMBING WORKS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISION OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES, THE REQUIREMENTS OF THE LOCAL PLUMBING INSPECTION OFFICE, PERTINENT PROVISIONS OF THE UNIFORM BUILDING CODE AND THE NATIONAL BUILDING CODE OF THE PHILIPPINES.
3. ALL PLUMBING INSTALLATIONS SHALL BE COORDINATED WITH OTHER TRADES. ANY REVISION IN THE PIPING LAYOUT REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE PROJECT ENGINEER.
4. ALL VENT PIPE SHALL BE FREE FROM DROPS OR SAGS AND SHALL BE SLOPED OR GRADED AS TO DRIP BACK BY GRAVITY TO THE DRAINAGE PIPE IT SERVES.
5. ALL PLUMBING FIXTURES SHALL BE INDIVIDUALLY VENTED.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE, SUCH AS, THE ACTUAL PIPE SIZES, LOCATIONS, DEPTHS, TOP AND INVERT ELEVATIONS OF ALL EXISTING PIPES AND RELATED STRUCTURES. THE CONTRACTOR SHALL PROVIDE THE NECESSARY EXCAVATIONS, BACKFILLING AND SURFACE RESTORATION OF THE AFFECTED AREAS IN THE LAYING OF SEWER, STORM DRAINAGE AND SUPPLY LINES.
7. PROVIDE VALVE BOX FOR EACH EMBEDDED GATE VALVE.
8. THE SIZES OF WATER SUPPLY FIXTURES SHALL BE IN ACCORDANCE THE MANUFACTURER'S INSTRUCTIONS



1 BOOSTER PUMP LAYOUT
SCALE: 1:50 M

BOOSTER PUMP SCHEDULE

MARK	QUANTITY	DESCRIPTION	LOCATION	CAPACITY LPS (GPM)	TDH M (FT)	ELECTRICAL DATA				REMARKS
						V	PH	HZ	KW (HP)	
BP 1	2 (1 DUTY, 1 STAND-BY)	BOOSTER PUMP	PUMP HOUSE	6.62 (105)	50.30 (165)	220-240	3	60	7.5 (10)	VERTICAL MULTI-STAGE CENTRIFUGAL PUMP, DUPLEX PACKAGE TYPE COMPLETE WITH CONSTANT PRESSURE CONTROL, MOTOR INCLUDES A FREQUENCY CONVERTER AND PRESSURE INDICATING CONTROLLER IN THE MOTOR TERMINAL BOX, BLADDER TANK, GATE VALVE, CHECK VALVE, PRESSURE TRANSMITTER, PRESSURE GAUGE, AIR VENT, DRAIN, CONTROL PANEL AND OTHER STANDARD ACCESSORIES
				6.62 (105)	50.30 (165)	220-240	3	60	7.5 (10)	
BP 2	2 (1 DUTY, 1 STAND-BY)	BOOSTER PUMP	PUMP HOUSE	6.62 (105)	50.30 (165)	220-240	3	60	7.5 (10)	VERTICAL MULTI-STAGE CENTRIFUGAL PUMP, DUPLEX PACKAGE TYPE COMPLETE WITH CONSTANT PRESSURE CONTROL, MOTOR INCLUDES A FREQUENCY CONVERTER AND PRESSURE INDICATING CONTROLLER IN THE MOTOR TERMINAL BOX, BLADDER TANK, GATE VALVE, CHECK VALVE, PRESSURE TRANSMITTER, PRESSURE GAUGE, AIR VENT, DRAIN, CONTROL PANEL AND OTHER STANDARD ACCESSORIES
				6.62 (105)	50.30 (165)	220-240	3	60	7.5 (10)	

LEGEND AND SYMBOLS

	VERTICAL MULTI-STAGE CENTRIFUGAL BOOSTER PUMP
	CONTROL PANEL
	34 GALLON BLADDER TANK
	GATE VALVE
	CHECK VALVE



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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CHECKED BY:	RUAJR

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Department Manager II, AED-ADMS

RECOMMEND APPROVAL:

LT COL. VALENTINO A. DIONELA PAF (RET)
Assistant Director General II, ADMS

NOTES/REVISIONS:

PROJECT:

BUKIDNON AIRPORT
DEVELOPMENT PROJECT
CY 2022
(CONSTRUCTION OF PUMP HOUSE C)

LOCATION:

BUKIDNON AIRPORT
BRGY. MARAY MARAY, DON CARLOS,
BUKIDNON

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- BOOSTER PUMP LAYOUT
- BOOSTER PUMP SCHEDULE

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AS SHOWN

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