



Republic of the Philippines  
**DEPARTMENT OF SCIENCE AND TECHNOLOGY**  
**Philippine Atmospheric, Geophysical and Astronomical Services**  
**Administration (PAGASA)**

22 November 2022

**SUPPLEMENTAL BID BULLETIN**  
**ADDENDUM NO. 2022-032-01**

**Subject: Supply, Delivery, Installation and Commissioning of Five (5) Air-conditioning Units (ACU) for ICT Server Room and Old Satellite Room: IB2022-032 / PR No. 2022-09-0767**

This Supplemental Bid Bulletin (SBB) is being issued to all prospective bidders to clarify, amend and/or modify certain provisions in the Bidding Documents and to answer clarificatory questions during the pre-bid conference by prospective bidders, to wit:

<b>Question(s)</b>	<b>PAGASA BAC Answer(s)</b>
1. Is there a preferred brand required by the end-user?	The specifications set by the end-user unit of the Project represents the minimum technical specifications. Thus, the interested bidder/s may be allowed to alternative offer that is compliant and responsive to the specific requirements of the Project
2. Request omission of the brand name indicated in the Bill of Quantities (BOQ).	The corrected BOQ is hereby attached as "Annex A"

This shall form an integral part of the Bid Documents.

For guidance and information of all participating bidders.

**Sgd.**  
**BONIFACIO G. PAJUELAS, Ph.D.**  
*Chairperson, PAGASA-BAC*

*"tracking the sky...helping the country"*

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Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)  
 Contract Reference Number  
 Name of the Contract  
 Location of the Contract

**FPF 3. DETAILED COST BREAKDOWN / BILL OF MATERIALS**

**Project Title: Supply, Delivery, Installation and Commissioning of Five (5) Air-conditioning Units (ACU) for ICT Server Room and Old Satellite Room**  
**Location: WFCC COMPOUND, AGHAM RD, DILIMAN QUEZON CITY**

I.D. No.	Description	Unit	Qty	Material Cost		Labor Cost		Total Direct Cost [(6) + (8)]	Indirect Cost					Total Indirect Cost [ Sum of (10) to (14)]	Total Cost
				Unit Cost	Amount	Unit Cost (40% & 35%)	Amount		Overhead [(6%)(9)]	Contingency [(3%)(9)]	Misc [(1%)(9)]	Contractor's Profit [(10%)(9)]	VAT component [(5%)(SUM of 9-13)]		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
<b>A. FOR OLD SATELLITE ROOM</b>															
1	3TR Floor Standing ACU (Inverter) Indoor model: 42CFV03608-1 Cooling Capacity: 36,500 kj/hr Outdoor model: 38CFV03608-1 Single phase: 230V-60 Hz	units	3		-	-	-	-						-	-
2	Angular bar 2 1/2 x 20ft	pc	3		-	-	-	-						-	-
3	5/8"Ø Copper Tube, soft drawn (50ft/roll)	rolls	3		-	-	-	-						-	-
4	3/8"Ø Copper Tube, soft drawn (50ft/roll)	rolls	3		-	-	-	-						-	-
5	Polyethylene Tape	pcs	9		-	-	-	-						-	-
6	Dyna bolts and nuts (1/2"Ø)	pcs	60		-	-	-	-						-	-
7	Freon R-410A	kg	12		-	-	-	-						-	-
8	5/8"Ø Rubber Insulation (6ft/pc)	pcs	24		-	-	-	-						-	-
9	3/8"Ø Rubber Insulation (6ft/pc)	pcs	24		-	-	-	-						-	-
10	Welding Rod 1/2	kg	1.5		-	-	-	-						-	-
11	50AT, 2P Circuit breaker with NEMA 3R Enclosure	set	3		-	-	-	-						-	-
12	3.5mm² THHN Wire (150m/box)	box	1		-	-	-	-						-	-
13	Electrical Tapes	pcs	2		-	-	-	-						-	-
14	1/2"Ø PVC PIPE	pcs	2		-	-	-	-						-	-
15	Flexible Hose 1" dia	m	50		-	-	-	-						-	-
<b>Sub-Total (A)</b>					-	-	-	-	-	-	-	-	-	-	-
<b>B. FOR ICT SERVER ROOM</b>															
1	3TR Floor Standing ACU (Inverter) Indoor model: 42CFV03608-1 Cooling Capacity: 36,500 kj/hr Outdoor model: 38CFV03608-1 Single phase: 230V-60 Hz	units	2		-	-	-	-						-	-
2	Angular bar 2 1/2 x 20ft	pc	2		-	-	-	-						-	-
3	5/8"Ø Copper Tube, soft drawn (50ft/roll)	rolls	2		-	-	-	-						-	-
4	3/8"Ø Copper Tube, soft drawn (50ft/roll)	rolls	2		-	-	-	-						-	-
5	Polyethylene Tape	pcs	6		-	-	-	-						-	-
6	Dyna bolts and nuts (1/2"Ø)	pcs	40		-	-	-	-						-	-
7	Freon R-410A	kg	8		-	-	-	-						-	-
8	5/8"Ø Rubber Insulation (6ft/pc)	pcs	16		-	-	-	-						-	-
9	3/8"Ø Rubber Insulation (6ft/pc)	pcs	16		-	-	-	-						-	-
10	Welding Rod 1/2	kg	1		-	-	-	-						-	-
11	50AT, 2P Circuit breaker with NEMA 3R Enclosure	set	2		-	-	-	-						-	-
12	3.5mm² THHN Wire (150m/box)	box	1		-	-	-	-						-	-
13	Electrical Tapes	pcs	2		-	-	-	-						-	-
14	1/2"Ø PVC PIPE	pcs	2		-	-	-	-						-	-

I.D. No.	Description	Unit	Qty	Material Cost		Labor Cost		Total Direct Cost [(6) + (8)]	Indirect Cost					Total Indirect Cost [ Sum of (10) to (14)]	Total Cost
				Unit Cost	Amount	Unit Cost (40% & 35%)	Amount		Overhead [(6%)(9)]	Contingency [(3%)(9)]	Misc [(1%)(9)]	Contractor's Profit [(10%)(9)]	VAT component [(5%)(SUM of 9-13)]		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
15	Flexible Hose 1" dia	m	50		-	-	-	-	-	-	-	-	-	-	-
	<b>Sub-Total (B)</b>			-	-	-	-	-	-	-	-	-	-	-	-
<b>GRAND TOTAL:</b>															-

**SCOPE OF WORKS:**

1. Dismantling of old units including the accessories.
2. Fabrication of Fan Coil Unit (FCU) base using 2 1/2 x 20ft angular bar with dyna bolts 1/2 diameter.
3. Laying of copper tubing's high and low pressure pipes using 5/8"Ø and 5/8"Ø soft drawn pipes including drainage for condensate water using PVC pipe 1 1/2 diameter, insulate it with rubber insulations and polyethylene tapes.
4. Installation of new circuit breaker 50AT, 2P with NEMA 3R Enclosure at condenser side.
5. Mounting of Fan Coil Unit and Condenser to its corresponding location.
6. Leak testing and recharging of R-410A to the system as additional refrigerant.
7. Testing and turn-over.