



# GUAM MEMORIAL HOSPITAL AUTHORITY

ATURIDÁT ESPETÁT MIMURIÁT GUÅHÅN

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Operator: (671) 647-2330 or 2552 | Fax: (671) 649-5508



May 12, 2021

## AMENDMENT #5 - GMHA IFB 002-2021

### Removal & Replacement of Various AHU's

**TO: All prospective bidders,**

**This Amendment is being issued to clarify the following:**

**1) Vendor: Dylan Mechanical**

AHU Performance Criteria: CFM, Total Static Pressure, Size constraints, configuration, Horsepower, electrical voltage and phase, TEFC or ODP motors, premium efficiency or normal efficiency motors, belt or direct drive, chilled water inlet and outlet temperature and gpm, air entering and leaving coil wet and dry bulb temperatures, filtration (pre filter MERV rating and filter type thickness,) (final filter type, thickness, Merv rating), mixing box and dampers?

**GMHA Response: List is provided with available information. Site verify for space allocation and configuration. All are indoor unit, motors as per manufacturer-field verify existing, premium efficiency motor, belt drive, chiller water inlet and outlet is (42dF-52dF 10dF delta, gpm per field verify size of existing pipe, RH minimum 60% or better, filtration as per manufacturer – minimum MERV 8, mixing box and dampers integral to the unit.**

**2) Vendor: Dylan Mechanical**

Coils: Copper or aluminum tubes? Aluminum or copper fins? Drain pans galvanized or stainless steel? Coil casings galvanized or stainless steel.

**GMHA Response: Copper Tubes, Copper Fins, stainless drain pan (double).**

**3) Vendor: Dylan Mechanical**

Ultraviolet lights on cooling coil?

**GMHA Response: Yes, this applies and is required.**

**4) Vendor: Dylan Mechanical**

Are Variable frequency drives required?

**GMHA Response: Not required.**

**5) Vendor: Dylan Mechanical**

Controls: What are the fan cooling coil control requirements? Is tie into existing DDC system required? What is the sequence of operation and control requirements?

**GMHA Response: Tie in to existing DDC.**

**6) Vendor: Dylan Mechanical**

Is Testing and Balancing to be included?

**GMHA Response: No.**

**7) Vendor: Dylan Mechanical**

Is Commissioning and Performance Verification testing included?

**GMHA Response: Yes, it is required see attached listing (Air Handler Test Report).**

**8) Vendor: Dylan Mechanical**

What is the schedule of performance of the contract?

**GMAH Response: As rep SOW, confirm 120 days from PO release.**

**9) Vendor: Dylan Mechanical**

What is the budget for the contract?

**GMHA Response: The Funding Source is DOI –Guam-CIP 2016-2.**

**10) Vendor: Dylan Mechanical**

Vibration isolation requirements?

**GMHA Response: Yes, this applies to conform to new code requirements/ AS PER MANUFACTURER.**

**11) Vendor: Dylan Mechanical**

Seismic bracing requirements?

**GMHA Response: Yes, this applies to conform to new code requirements.**

**12) Vendor: Dylan Mechanical**

Are new electrical disconnects required? If so, NEMA rating and material specs.

**GMHA Response: Yes, NEMA 1 minimum, per NEC, located to be accessible about 2 feet above ceiling line and maximum of 5 feet away from unit.**

**Note: For units 12 thru 15 provide combination Disconnect with magnetic starter.**

**13) Vendor: JRN Guam**

1. The deadline for inquiries regarding the IFB is set until 4:00pm of May 07, 2021 and the corresponding responses from GMHA are until May 11, 2021 at 4:00pm. Submission of Bid is set on May 14, 2021 at 10:30am. (Questions #1-4).

**GMHA Response: GMHA IFB 002-2021**

**\*RFI deadline extended to May 12, 2021 at 4:00pm.**

**\*RFI Responses will be sent out by May 17, 2021 at 4:00pm.**

**\*Submission Date Change to read as: 10:30am, Friday, May 21, 2021 and Publicly Open at 11:00am, Friday, May 21, 2021.**

- 14) GMHA IFB 002-2021 –pg. 15, section 2.2 Scope of Work, item A#2-Add “and” between remove and replace, and delete “and repair”.**

- 15) GMHA IFB 002-2021 –pg. 16, section 2.2 Scope of Work, item A#17- Add the following: Relocate all utilities that interferes with the removal of old unit and installation of new unit.**

**16) Vendor: Carrier Guam**

1. Please provide As-Built drawings (mechanical/ducting, electrical, civil), as drawings within the Invitation for Bid are not clear and insufficient. Need to work on this.

**GMHA Response: List provided is current listing and information available. The site inspection was required so prospective bidders can check the actual units and match them.**

**17) Vendor: Carrier Guam**

2. If DDC sensors/devices not functional, please verify if sensors/devices required to be replaced and programmed into existing DDC.

**GMHA Response: Scope includes replacement of DDC devices. Required to replace with compatible devices so programming will not be necessary.**

**18) Vendor: Carrier Guam:**

3. Are AHU control valves and shut-off valves required to be replaced?

**GMHA Response: No, to control valves, and yes to all shut off/isolation valves (supply and return), with ball valve type.**

**19) Vendor: Carrier Guam:**

4. Is there a specific order or phases of AHU's to be removed and replaced?

**GMHA Response: Successful bidder has to coordinate with owner for scheduling of AHU removal and replacement. Work shall not interrupt ongoing operations.**

**20) Vendor: Carrier Guam:**

5. Is it required to provide temporary cooling to laboratories and zones which will not be occupied/not be operational during AHU removal/replacement work?

**GMHA Response: Yes, required so that would allow maintaining and not interrupting ongoing operations.**

**21) Vendor: Carrier Guam:**

6. Please provide list of AHU zones which will require temporary cooling.

**GMHA Response: All areas require temporary cooling.**

**22) Vendor: Carrier Guam:**

7. Please provide list of occupies zones during AHU work.

**GMHA Response: See number #6, all other areas where the AHU's are not being worked on stays as is. Only affected areas are to be maintained.**

**23) Vendor Carrier Guam:**

8. Please provide contractor's requirements of temporary cooling? Please provide required setup and designations to install temporary cooling. What is the power supply provided for temporary cooling equipment?

**GMHA Response: Same as number #6. To allow no interruption to operation. Will be provided when areas of work are designated. Coordinate with Facilities Maintenance for equipment power requirement. Source to be assigned by Facilities Maintenance and contractor to provide the lines and disconnect switches.**

**24) Vendor: Carrier Guam:**

9. Regarding isolation of clean rooms, laboratory areas, and zones of hospital activity during AHU removal/replacement work activity, please provide specific plan and requirements.

**GMHA Response: We anticipate CSR, Radiology Storage Room, and Laboratory as the only clean room for this project. Work space should be isolated (plastic curtained) from the rest of the area.**

**25) Vendor: Carrier Guam:**

10. Please provide time/hours allowed for work activity.

**GMHA Response: Regular work hours are Monday through Friday, 0800 to 1700 hours. However, this is open and can be schedule to least interrupt activities.**

**26) Vendor: Carrier Guam:**

11. There is a pre-cooling coil unit PCCU (associated with AHU-M101) in plumbing shop that is not working. Is this pre-cooling PCCU required to be replaced, as not listed on AHU equipment schedule nor on the Invitation for Bid. If PCCU replacement required, please provide its equipment scheduling parameters.

**GMHA Response: Existing unit is packaged unit. Pre-cooler is integral to the AHU. Provide both.**

**27) Vendor: Carrier Guam:**

12. What is required construction plan and safety plan regarding isolation if AHU work area.

**GMHA Response: Same as regular industry practice, all dust, smoke, fumes, debris etc., shall be contained within the work space. If exhaust is needed it must be considered and provided. Balance work area environment.**

**28) Vendor: Carrier Guam:**

13. Will there be designated/specific passage route for labor manpower and equipment traffic.

**GMHA Response: Yes, passage route will be designated reference to be location of the AHU to be removed and replaced.**

**29) Vendor: Carrier Guam:**

14. Is building permit required?

**GMH Response: Yes, and all applicable government required fees.**

**30) Vendor: Carrier Guam:**

15. Per scope of work, a total of one-hundred (120) calendar days to complete the project is required from issuance date of GMHA's notice to proceed. Please note AHU equipment lead time is approximately one hundred twenty (120) calendar days, thus conflicts with project days of completion. Request for two-hundred forty (240) calendar days to complete the project.

**GMHA Response: Good to change from 120 days to 180 days to complete the project from NTP to Completion.**

**31) Vendor: Carrier Guam:**

16. When is approximate issuance (month/year) of “Notice To Proceed-NTP”?

**GMHA Response: Upon Selection, Award can be release with NTP within the month.**

**32) Vendor: Carrier Guam:**

17. In lieu eighteen (18) months warranty, please verify if eighteen (18) months of AHU monitoring (no repair) AHU’s is acceptable. Please note standard warranty is (1) month labor and one (1) year AHU equipment. Please advise or confirm.

**GMHA Response: 18 months warranty stays and applies. During the warranty period all works, and equipment are under warranty and therefore, labor, materials, and equipment repair if required must be inclusive and free.**

**33) Vendor: Carrier Guam:**

18. Please provide further completed AHU equipment schedule. Note, per attached page 6 of Amendment #3, there are missing parameters, (CFM, GPM, total and sensible cooling capacity loads, AHU-B281 power) of AHU’s listed.

**GMHA Response: AHU 281 is 460 volt, three phase.**

**34) Vendor: Carrier Guam:**

1. Will GMHA further accept RFI after May 7, 2021. If RFI accepted, I have additional RFI below.

**GMHA Response: Please see the response to item #13 above.**

**35) Vendor: Carrier Guam:**

2. Per Scope of Work Item #2, please verify if “repair” existing AHU is necessary, as existing AHU’s shall be replaced with New AHU.

**GMHA Response: Please see response to item #14 above.**

**36) Vendor: Carrier Guam:**

3. Is Wye strainer replacement of each AHU system and flush of condensate drain pipe required after AHUSs installed?

**GMHA Response: Yes, this is inclusive with each AHU.**

**37) Vendor: Carrier Guam:**

4. Please confirm that water treatment is excluded from Scope of Work.

**GMHA Response: Water treatment is excluded from SOW.**

**38) Vendor: Carrier Guam:**

5. Per Scope of Work Item #14, please clarify "associated fees".

**GMHA Response: Contractors are to pay all governmental fees required in conducting or performing government contracts. Any and all fees in regards to all work-(removal and replacement) shall be performed by Contractor in accordance with all applicable federal and local codes, standards, and guidelines, including: UL Standards; Life Safety Codes; National Electrical Code (NEC); and National Fire Protection Association (NFPA) Codes and Standards and shall be borne by the Contractor(excerpt from scope of work) .**



Dolores F. Pangelinan,  
Hospital Supply Management Admin.

Acknowledgment of Receipt: Return acknowledgment to fax number 649-3640

\_\_\_\_\_  
Company

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Signature                      Date

EQUIPMENT	LOCATION	TYPE	MODEL #	INSIDE CFM	OUTSIDE CFM	GPM	TOTAL LOAD /HR	SENSIBLE LOAD BTU	POWER	HP/RPM	FILTER SIZE	FILTER MERV
1. AHU -A120	GIFT SHOP	CEILING MOUNT	CARRIER SR# D1281680	7,760	1320		257,740 BTU	183,910 BTU	480/3PH	7.5HP/1715	AS PER DESIGN	MERV 8
2. AHU - A174	FILTER ROOM	CEILING MOUNT	CARRIER WF254TTDR502688L						480/3PH	1HP/1700	AS PER DESIGN	MERV 8
3. AHU - B118	MIS(TRAINING RM)	CEILING MOUNT	CARRIER 39ED11	5,315	1,690		222,220 BTU	137,915 BTU	480/3PH	7.5HP/1745	16X25X2 OR AS PER DESIGN	MERV 8
4. AHU - B151A	CSR - STERILE AREA	CEILING MOUNT	CARRIER SR# D1281714						480/3PH	5HP/1715	AS PER DESIGN	MERV 8
5. AHU - B151B	CSR - AREA SECTION	CEILING MOUNT	TRANE SR# USD39952						480/3PH	5HP/1715	16X25X2 OR AS PER DESIGN	MERV 8
6. AHU - B188	BELT ROOM	FLOOR MOUNT	TRANE SR# 37M244X770						480/3PH	7.5HP/1715	16X20X2 OR AS PER DESIGN	MERV 8
7. AHU - D131	BUS OFFICE	CEILING MOUNT	CARRIER UN215TTF726APL	8,140	1,175	86.8 GPM	237,755 BTU	179,520 BTU	480/3PH	7.5/1450	24X24/4 OR AS PER DESIGN	MERV 8
8. AHU - M101	PLUMBING SHOP	FLOOR MOUNT	TRANE MCCB006UAOAOUA	3,245	2,680		243,315 BTU	111,290 BTU	480/3PH	5HP/1715	16X20X2 OR AS PER DESIGN	MERV 8
9. AHU - A245	FILE ROOM (RAD)	CEILING MOUNT	CARRIER SR# 01301063						480/3PH	5HP/1740	16X20X2 OR AS PER DESIGN	MERV 8
10. AHU - A295	ELEV LOBBY	CEILING MOUNT	CARRIER MODEL# SK45PG9548X			57.4 GPM			480/3PH	1.5HP/1725	16X25X2 OR AS PER DESIGN	MERV 8
11. AHU - B281	OR CORRIDOR	CEILING MOUNT	TRANE 428MB30C8YR630LSFAC							3/4 HP	16X25X2 OR AS PER DESIGN	MERV 8
12. AHU - D215	NUCLEAR MED	CEILING MOUNT	TRANE 60H495B						480/3PH	1HP/1745	20X20X2 OR AS PER DESIGN	MERV 8
13. AHU - D224	LAB HISTOLOGY	CEILING MOUNT	TRANE SR# K94401948			28.2 GPM			480/3PH	3HP/1730	20X20X2 OR AS PER DESIGN	MERV 8
14. AHU - D226	LAB CENTRAL CORE	CEILING MOUNT	TRANE MOD# MCCB012UAOAUJA			41.6 GPM			230/480/3PH	7.5HP/1750	16X25X2 OR AS PER DESIGN	MERV 8
15. AHU - D234	LAB/STAFF LOUNGE	CEILING MOUNT	TRANE SR# K94401919			17 GPM			230/480/3PH	3HP/1730	20X20X2 OR AS PER DESIGN	MERV 8