

*Section VII. Technical Specifications*

# Technical Specifications

| Item No.   | Specification | Statement of Compliance | Annex |
|--|---------------|-------------------------|-------|
| <i>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder’s statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i> |               |                         |       |
| <b>Note: Kindly indicate what particular document the bidder must submit as proof of their compliance to the technical specification and marked as Annex</b>   |               |                         |       |
| <b>Mechanical Works and Equipment</b><br><br>All mechanical works shall be done in accordance with the standard manufacturer’s recommendation for the material specification and workmanship execution.<br><br>AHU brand has been in the local market for at least ten (10) years, can be searched/browsed in the internet.  |               |                         |       |

| Item No. | Specification  | Statement of Compliance | Annex |
|----------|--|-------------------------|-------|
| <b>1</b> | <b>30 TR Air Handling Unit (AHU) Ducted, Water – Cooled with Controller</b><br><br><b>Bidder must submit Brochures showing the given parameters</b>  |                         |       |
| 1.1      | General Specifications:<br>Vertical Type<br>Nominal Capacity: 30 TR<br>Static Pressure: 300 Pa<br>Flow Rate: 20,000 CMH (minimum)<br>Cooling Coils: 4 rows (minimum)<br>Water Temperature (in/out): 6.7 °C / 12 °C<br>Panel Thickness: 50 mm<br>AHRI Certified |                         |       |
| 1.2      | Fan and Motor Section:<br>Fan Type: EC Fan<br>Number of Fans: Two (2) (minimum)<br>Motor Efficiency: IE5 or Grade N<br>Service Voltage: 480VAC, 3 phase, 60 Hz<br>AMCA Certified<br>UL Listed or CE Marking Conformity   |                         |       |
| 1.3      | Filter Section:<br>Primary Filter: MERV 3 – 4 or G2 (Washable Four-Layer Nylon Filter)<br>Secondary Filter: MERV 13 – 14 or F7   |                         |       |



|     |  |  |  |
|-----|--|--|--|
| 2   | 40 TR Air Handling Unit (AHU) Ducted, Water – Cooled with Controller<br><br><b>Bidder must submit Brochures showing the given parameters</b>   |  |  |
| 2.1 | General Specifications:<br>Vertical Type<br>Nominal Capacity: 40 TR<br>Static Pressure: 300 Pa<br>Flow Rate: 30,000 CMH (minimum)<br>Cooling Coils: 4 rows (minimum)<br>Water in/out Temperature: 6.7 °C / 12 °C<br>Panel Thickness: 50 mm<br>AHRI Certified |  |  |
| 2.2 | Fan and Motor Section:<br>Fan Type: EC Fan<br>Number of Fans: Two (2) (minimum)<br>Motor Efficiency: IE5 or Grade N<br>Service Voltage: 480VAC, 3 phase, 60 Hz<br>AMCA Certified<br>UL Listed or CE Marking Conformity                                       |  |  |
| 2.3 | Filter Section:<br>Primary Filter: MERV 3 – 4 or G2 (Washable Four-Layer Nylon Filter)<br>Secondary Filter: MERV 13 – 14 or F7   |  |  |
| 3   | Controllers for the 30 TR and 40 TR Air Handling Units<br><br><b>Bidder must submit Brochures showing the given parameters</b>   |  |  |
| 3.1 | Display: High Resolution with at least 7” display<br>Touch Screen<br>BMS Ready: Modbus RTU or BACnet protocol<br>Speed Control and Speed Monitoring<br>Power Consumption Display<br>Can display AHU faults/ errors<br>UL Listed or CE Marking Conformity     |  |  |

Name: \_\_\_\_\_

Legal capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

Date: \_\_\_\_\_

