Question and Answer version 1

<table>
<tr><th>No.</th><th>Question</th><th>Type</th><th>Answer</th></tr>
<tr><td>1</td><td>What CIDB grade is needed for this tender?</td><td>Technical</td><td>This is covered on page 34 of the bid document, Mandatory Technical Requirements, criteria 5.1.2</td></tr>
<tr><td>2</td><td>May I please enquire about the tender document fee</td><td>Commercial</td><td>There is no charge associated with obtaining the tender document, the tender document can be downloaded from the IDC website www.idc.co.za</td></tr>
<tr><td>3</td><td>Please supply us with the technical specifications and design conditions for the AHU's you need for your project.
Technical specs such as airflow, external static pressure, filters,etc.
Design conditions such as ambient temperature, on coil and off coil temperatures, etc</td><td>Technical</td><td>The below specifications pertains to the Once off Project: Block D & E Roofs sitpulated on page 32 (paragraph 3.7.4), page 35 (paragraph 5.1.4.4) and page 66 (paragraph 7.2.4). It must be noted that the below specifications replaced the ones specified in the issued bid document:
<table>
<tr><th colspan="3">Specifications of units</th></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td>AHU x 2</td><td>AHU x 2</td></tr>
<tr><td>Airflow</td><td>8.0 m3/s</td><td>10.1 m3/s</td></tr>
<tr><td>VSD</td><td>Yes</td><td>Yes</td></tr>
<tr><td>Water in Temp</td><td>6.0</td><td>6.0</td></tr>
<tr><td>Water leaving</td><td>12.0</td><td>12.0</td></tr>
<tr><td>Total cooling</td><td>115kw</td><td>147kw</td></tr>
<tr><td>Humidifier</td><td>From 25.0 °CDB 20 % to 95 % RH</td><td>From 25.0 °CDB 20 % to 95 % RH</td></tr>
<tr><td>Bag filter section</td><td>Yes</td><td>Yes</td></tr>
<tr><td>Mixing box</td><td>Yes</td><td>Yes</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><th colspan="3">Equipment to perform under the following design conditions</th></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td>Minimum Ambient</td><td>-5°C</td></tr>
<tr><td></td><td>Maximum Ambient</td><td>35°C</td></tr>
<tr><td></td><td>Minimum Duct Temperature</td><td>11°C</td></tr>
<tr><td></td><td>Maximum Duct Temperature</td><td>22°C</td></tr>
<tr><td></td><td>Minimum Airflow, Smaller Units</td><td>3.2m³/s</td></tr>
<tr><td></td><td>Maximum Airflow, Smaller Units</td><td>8m³/s</td></tr>
<tr><td></td><td>Minimum Airflow, Bigger Units</td><td>4m³/s</td></tr>
<tr><td></td><td>Maximum Airflow, Bigger Units</td><td>10.1m³/s</td></tr>
<tr><td></td><td>Maximum additional pressure drop on all</td><td></td></tr>
<tr><td></td><td>units at maximum flow</td><td>75Pa</td></tr>
<tr><td></td><td></td><td></td></tr>
</table></td></tr>
<tr><td>4</td><td>What type of diffusers is required in terms of the following:
a. Is it Reheat Diffusers or Standard Diffusers?
b. Is it VAV or CAV?</td><td>Technical</td><td>The type of diffusers required is as follows:
a. Reheat diffusers
b. Variable Air Volume (VAV) diffusers.</td></tr>
<tr><td>5</td><td>Do panel filters need to be strengthened by mesh wire or just standard self-supported air filters?</td><td>Technical</td><td>The panel filters need to be standard self -supported air filters</td></tr>
<tr><td>6</td><td>Should the ducting be insulated or not?</td><td>Technical</td><td>The ducting should be insulated.</td></tr>
<tr><td>7</td><td>What is the head for the required water pumps</td><td>Technical</td><td>The water pumps are specified under 7.3 supply of Equipment and part (ad-hoc basis) items 42, 43 and 44 requires the following head sizes:
Item 42 - Water Pump 30kW requires head – 30m;
Item 43 - Water Pump 5.5kW requires head - 9m; and
Item 44 - Water Pump 7.5kW requires head - 15m.</td></tr>
<tr><td>8</td><td>What are the frame sizes for the two Fan Motors</td><td>Technical</td><td>The Fan Motors specified under 7.3 supply of Equipment and part (ad-hoc basis) items 45 and 46 requires the following frame sizes:
Item 45 - Fan Motor 5,5Kw require a frame size of 90; and
Item 46 - Fan Motor 1.5Kw require a frame size of 132.</td></tr>
<tr><td>9</td><td>Ref: page 5 – 4.3 bids are to be mailed not delivered?</td><td>Admin</td><td>The tender document inidcated on the mentioned page that bids must only be sent to tenders@idc.co.za. Also refer to page 5 paragraph 4.6 that confirms that only responses received via the specified email address will be considered.</td></tr>
<tr><td>10</td><td>Ref: page 5 – 4.4 Email size limit – Please advise if we are allowed to split our submission over multiple emails in the event of our submission being larger than 50MB, provided that each email is within the 50MB limit and clearly labelled e.g. email 1 of 3</td><td>Admin</td><td>As indicated, bidders are allowed to send as many emails as needed which should be clearly labelled, bidders MUST ensure that all the emails sent should reach the IDC BEFORE the closing DATE and TIME. Only emails submitted on time will be considered for evaluation.</td></tr>
<tr><td>11</td><td>Ref: page 40 - 7.1 “Bidders are required to provide total costing for a five (5) year period as this is required for comparative evaluation purposes.” Please confirm the term of this tender?</td><td>Commercial</td><td>Please refer to Section two, page 33 paragraph 4.1 Project timelines: "The successful bidder will be responsible for preventative maintenance of heating, ventilation and air-conditioning (HVAC) systems at the IDC Head office for a priod of five (5) years, subject to annual review of the service provider's performance."</td></tr>
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