

	<b>Construction, Completion and Maintenance of the proposed Al Meera New Build</b> Project Name: <b>Convenience Store at Rawdat Al Hamama - Schemes 2016</b> Project No.: <b>1083-14</b> Form No.: <b>P07-F10 / Rev. 01 / Feb. 2012</b>			
	Project Manager: 	Executive Cost Consultant: 	Supervision Consultant:  المكتب العربي للشؤون الهندسية Arab Engineering Bureau	Contractor: 

## MATERIAL APPROVAL REQUEST (MAR)




Submittal Contents: <input type="checkbox"/> - Material/Sample <input type="checkbox"/> - Mock-up <input checked="" type="checkbox"/> - Catalogue/Brochure <input checked="" type="checkbox"/> - others <b>TECHNICAL SUBMITTAL + SOFT COPY</b>	MAR No.: <b>ITCC/1083-14/AEB/HVAC/MAR/0007</b> Rev. <b>0</b> Date Submitted: <b>24-May-17</b>
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<b>Trade / Discipline:</b> <input type="checkbox"/> - Civil <input type="checkbox"/> - Architectural <input type="checkbox"/> - Electrical <input type="checkbox"/> - Information Tech. (IT) <input type="checkbox"/> - Structural <input checked="" type="checkbox"/> - Mechanical <input type="checkbox"/> - Plumbing <input type="checkbox"/> - Others Hvac <input type="checkbox"/> - Landscape <input type="checkbox"/> - Interior Design <b>HVAC</b>	Date Required on Site: _____ Production Period: _____ Total Delivery Time: _____ Expected Arrival on Site: _____
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<b>Description of Material / Equipment:</b> <div style="background-color: yellow; padding: 5px; text-align: center;"> <b>Valves &amp; Fittings (Chilled Water Piping Network)</b> </div>	<table border="1" style="width: 100%;"> <tr><th colspan="3">DISTRIBUTION</th></tr> <tr><th colspan="3">ARAB ENGINEERING BUREAU</th></tr> <tr><th colspan="3">DATE:</th></tr> <tr><th>NO.</th><th>DESIGNATION</th><th>ACTION/FILE</th></tr> <tr><td>1</td><td>PROJECT MANAGER</td><td></td></tr> <tr><td>2</td><td>PROJECT ENGINEER</td><td>✓</td></tr> <tr><td>3</td><td>PROJECT COORDINATOR</td><td></td></tr> <tr><td>4</td><td>ARCHITECT</td><td></td></tr> <tr><td>5</td><td>CIVIL ENGINEER</td><td></td></tr> <tr><td>6</td><td>ELECTRICAL INSPECTOR</td><td></td></tr> <tr><td></td><td>MECHANICAL ENGINEER</td><td>✓</td></tr> <tr><td></td><td>PLUMBING INSPECTOR</td><td></td></tr> <tr><td></td><td>MECHANICAL ENGINEER</td><td></td></tr> <tr><td></td><td>PLUMBING INSPECTOR</td><td></td></tr> <tr><td></td><td>INSPECTOR</td><td></td></tr> </table>	DISTRIBUTION			ARAB ENGINEERING BUREAU			DATE:			NO.	DESIGNATION	ACTION/FILE	1	PROJECT MANAGER		2	PROJECT ENGINEER	✓	3	PROJECT COORDINATOR		4	ARCHITECT		5	CIVIL ENGINEER		6	ELECTRICAL INSPECTOR			MECHANICAL ENGINEER	✓		PLUMBING INSPECTOR			MECHANICAL ENGINEER			PLUMBING INSPECTOR			INSPECTOR	
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<b>References:</b> a.) Specs. Ref. : Volume C3 - Sec.22.2.02.05 b.) Drawing Ref. : N/A c.) BOQ Ref. : N/A Others : <b>ITCC/1083-14/AEB/PQD/000002</b>	c.) QCS 2014 Ref. : N/A d.) Statutory Req. : N/A e.) Specified Vendors List : volume : C3 section -22.2.3
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<b>Manufacturer / Supplier Details:</b> <input type="checkbox"/> - Locally Manufactured <input checked="" type="checkbox"/> - Imported Country of Origin: <b>MALAYSIA</b> a.) Local Supplier / Agent: Company Name : Innovation Gate Trading Co. Address / Contacts : Qatar	b.) Manufacturer : Company Name : HERZ Address / Contacts : European Union
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Prepared by: (Contractors PE or CM)  Fazal Hameed Khan (Mechanical Engineer) Name / Sign / Date	Verified by: (Contractors QA/QC, QS, or Proj. Coordinator)  Fazal Hameed Khan (Mechanical Engineer) Name / Sign / Date	Recommended for Approval by: (Contractor's PM)  Mohammed Hussein (Project Manager) Name / Sign / Date
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### COMMENTS BY THE CONSULTANT

NOTE: (C) Additional Information Required. Refer to the attached consultant comments sheet.



(Use a separate comments sheet when necessary, for easy traceability purposes do not forget to include the MAR No., Revision No., & corresponding date of this MAR to the comments sheet.)

<b>Submittal Status :</b> <input type="checkbox"/> - A - Approved <input type="checkbox"/> - B - Approved as Noted <input checked="" type="checkbox"/> - C - Revise and Resubmit <input type="checkbox"/> - D - Rejected
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<b>Supervision Consultant Signature :</b>  MR MARIO Name & Signature RE or Senior Engineer Designation <b>17/6/17</b> Date	 Mr. MAHINDRA MAGULVALLI Name & Signature Project Manager Designation Date	<b>Client Approval / Endorsement (when required) :</b> Name & Signature Designation Date
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Approval or comments to the submittals does not relieve the Contractor from their responsibilities. The assessment is to review the general conformance and compliance of the submittal to the contract and specification requirements.

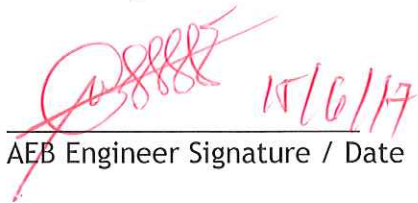


Al Meera Rawdat Hamama  
CHW Valves and Fittings ( HVAC )  
MAR Ref. No. ITCC/1083-14/HVAC/MAR/003 rev 1

**AEB Comments:**

**Status C ( Additional Information Required )** - Proposed CHW Valves and Fittings from Manufacturer : HERZ- Origin : Malaysia submitted is not in the project vendors list subject to comply and confirm the following requirements under the specifications for review and approval:

1. Subject to the final approval of Al Meera client and cost savings if necessary.
2. Contractor to use RAR form (Request for Alternative replacement) for material submittal
3. Provide sample board for review. Valves shall be kitemarked as per specification
4. Pressure rating for all proposed shall comply for all the specified ratings of valves requirement suitable for the applications
5. Strainer selected model to comply specified requirements for the specified screen size diameter holes % free flow area per the sq. meter
6. The following specified to confirm with inclusion in the compliance
  - a. No asbestos containing materials shall be employed in any valves
  - b. Unless otherwise specified, valves of 50mm nominal bore and under shall have female ends screwed to BS21 and valves 65mm nominal bore and over shall have flanged ends.
  - c. Flanged valves shall have matching flanges manufactured in accordance with BS4504.
  - d. All flanged valves ( all services ) shall be epoxy coated both internally and externally in order to prevent corrosion and pitting, valves shall be suitable to the for the fluid carried and the temperatures, test and working pressure of the system in which they are installed.
  - e. Valves shall be approved by the local water authority and the WRC
7. Contractor to submit complete technical schedule of all valves and fittings proposal in excel format with all data compliance to specified against proposed details of valve material / models, valve sizes, pressure rating, working temp, rising / non-rising stem, third party approval,
8. Contractor to submit separately valves application for the plumbing system
9. Supplier and contractor to provide and submit holding full set of spare parts per specs 22.1.01 spare parts and attached / submit spare parts lists per specs 22.1.03
10. Proposed warranty and Guarantee of the material of 5 years is acceptable subject to the compliance to the contract commencing from successful T and C / and project handing over
11. The proposed materials shall be ensure to be compatible to testing and balancing works requirements. Submit Kv setting, graph of DRV for CHW flow balancing and setting

  
AEB Engineer Signature / Date