



RUWAIS HOUSING COMPLEX EXPANSION-PHASE III
NEW INTERNATIONAL SCHOOL AT RUWAIS



PROJECT No. 6054
AGREEMENT No. 116054C1

MATERIAL APPROVAL REQUEST (MAR)

| | | | | | | | |
|---|--|--|---|------|-------------|----------|--|
| Serial No. | M 0 0 7 4 | Rev. No. | 0 0 | Date | 0 4 0 9 1 4 | S/C Ref. | |
| <input type="checkbox"/> Document class | <input checked="" type="checkbox"/> First submission | <input type="checkbox"/> Second submission | <input type="checkbox"/> Further submission | | | | |

Material Description: **Chilled Water Valves**

| Trade Name | Manufacturer | Supplier | ADNOC Reg. No. |
|-------------|-------------------|-----------------------------------|----------------|
| 1 Valves | M/s. HERZ, Europe | M/s. HERZ Middle East LLC, UAE | X |
| 2 Strainers | | | |

| | | | |
|----------------------------------|-----------------------------|----------------|----------------------------------|
| Specification requirement detail | Technical Specifications | 15110 - Valves | Discipline: Mechanical |
| Location / Area of use | For Chilled Water Services. | | |
| Technical Detail | As per attached. | | |

Attachments:

| | | | | | |
|----------------------------------|-------------------------------------|-----|--------------------------|----|---|
| 1 Specification comparison Sheet | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | NA | 4 Other supporting documents (list) <u>Technical Submittal</u> |
| 2 Samples | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | NA | |
| 3 Original Brochure | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | NA | |

NA:- Not applicable
Notes/Comments:-

For CONTR.

Name: ADHAM JAFAR Date: 4-Sep-14 Signature:

For ADNOC. Accepted Accepted subject to comments Incorporate comments. Resubmit before proceeding Not accepted

- Submitted samples are not for complete proposed items.
- Submit samples for butterfly valves size 150mm and above, control valves, strainers above 65mm, DRV 65mm and above, check valves and gate valves 65mm and above.
- Ball valves are applicable for this submittal.
- Proposed samples for air vent valve is 10bar mentioned on valve while type on sample board 16bars for the same valve – Clarify.
- Butterfly valves 150mm and above should be operated by totally enclosed and sealed worm gear actuator with 4 arm or wheel handle – Revised and resubmit, valve shall be bi-directional – follow project specification.
- Strainers perforation should be 0.6 mm for sizes 65mm and bigger (refer to section 15120 clause 2.4 of project specification). – Confirm.
- Refer to comments mentioned on proposed comparison sheet and revise accordingly.
- All control valve and respective actuator shall be modulated type refer to agreement detailed drawing no. AD-6054-PR-M-AC-301.
- Submit material list showing country of origin for each.
- Submit factory test certificate for each proposed items.

RECEIVED
16 SEP 2014
NATIONAL HOLDING & AL MOJIL LLC

16 SEP 2014

Name: JAMAL YOUSEF ABUKOU Date: _____ Signature:



RUWAIS HOUSING COMPLEX EXPANSION-PHASE III
NEW INTERNATIONAL SCHOOL AT RUWAIS

PROJECT No. 6054
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MATERIAL APPROVAL REQUEST (MAR)

| | | | | | | | |
|---|---|---|---|------|-------------|----------|--|
| Serial No. | M 0 0 6 3 | Rev. No. | 0 1 | Date | 1 0 0 9 1 4 | S/C Ref. | |
| <input type="checkbox"/> Document class | <input type="checkbox"/> First submission | <input checked="" type="checkbox"/> Second submission | <input type="checkbox"/> Further submission | | | | |

Material Description: **Plumbing Valves, Bib Tapes & Strainers**

| Trade Name | Manufacturer | Supplier | ADNOC Reg. No. |
|-------------------|-------------------|--------------------------------|----------------|
| 1 Plumbing Valves | | | |
| 2 Bib Tapes | M/s. HERZ, Europe | M/s. HERZ Middle East LLC, UAE | X |
| 3 Strainers | | | |

| | | | |
|----------------------------------|--------------------------|----------------|----------------------------------|
| Specification requirement detail | Technical Specifications | 15110 - Valves | Discipline: Mechanical |
| Location / Area of use | For Plumbing Services. | | |
| Technical Detail | As per attached. | | |

Attachments:

| | | | |
|----------------------------------|---|--|--|
| 1 Specification comparison Sheet | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> NA | 4 Other supporting documents (list) Technical Submittal |
| 2 Samples | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> NA | |
| 3 Original Brochure | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> NA | |

NA:- Not applicable

Notes/Comments:-

For CONTR.

Name: ADHAM JAFAR

Date: 10-Sep-14

Signature:



For ADNOC. Accepted Accepted subject to comments Incorporate comments. Resubmit before proceeding Not accepted

- Submitted samples are not for complete proposed items.
- Submit sample for each proposed item for COMPANY review and final approval.
- Proposed PRV valves is without low flow by –pass revise and resubmit.
- Submit factory test certificate.
- Submit material list showing country of origin for each.

RECEIVED
16 SEP 2014

NATIONAL HOLDING & AL MOJIL LLC

16 SEP 2014

Name: JAMAL YOUSEF ABUKOU

Date: _____

Signature:



Response to Comments on D.T.F.

RUWAIS HOUSING COMPLEX EXPANSION – PHASE III
NEW INTERNATIONAL SCHOOL AT RUWAIS
PROJECT NO. 6054 – AGREEMENT NO. 116054C1

Not Comply

| SN | Project Specifications | HERZ Specifications | Remark |
|-----|--|--|-----------------|
| 1.0 | As specified, all valves 50mm and smaller shall have bronze body versus as proposed – not complied | We proposed DZR brass body non corrosive valves suitable plumbing water application All valves are having 5 years guarantee | Comply as noted |
| 2.0 | As specified, furnish iron body bronze mounted (IBBM) valves cast iron body, bronze trim valves, with bolted bonnet, non rising stem, solid wedge disc, flange ends and renewable rings for 65mm and larger versus butterfly valves as proposed – Not complied | We proposed gate valves cast iron body, EPDM coated ductile iron disc, bolted bonnet, non rising stem flanged ends suitable for plumbing water application | Comply as noted |
| 3.0 | As specified 50mm and smaller check valve, disc shall be renewable and seat regrind able without removing valve for line - confirm | We propose check valves, bronze body renewable disc and seat regrindable. HERZ art HVCH25. Please to enclosed data sheet. | Comply |
| 4.0 | As specified, check valve shall be designed for min PN20 non shock water, oil, and gas working pressure versus PN16 as proposed- Not complied | Above proposed check valves are PN25 | Comply |
| 5.0 | Wafer check valve 65mm and larger catalogue shall be provided for review and comparison | Enclosed data sheet | Comply |
| 6.0 | As specified butterfly valve disc shall be of bronze, alum bronze, stainless steel versus carbon steel covered with nickel as proposed – not complied | Butterfly valve disc shall be stainless steel. | Comply |



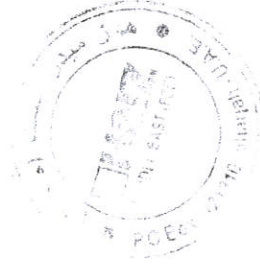


Response to Comments on D.T.F.

RUWAIHS HOUSING COMPLEX EXPANSION – PHASE III
NEW INTERNATIONAL SCHOOL AT RUWAIHS
PROJECT NO. 6054 – AGREEMENT NO. 116054C1

Not Comply


| | | | |
|-----|--|---|-----------------|
| 7.0 | PRV shall be pilot controlled, hydraulically operated diaphragm type with a low bypass capacity versus direct acting zinc plated as proposed – not comply. | We proposed PRV upto 50mm, direct acting type suitable for plumbing water application | Comply as noted |
| 8.0 | As specified, ball valve handle shall be of steel with vinyl grip versus aluminium alloy plastic -- not comply | Ball Valve shall be provided with the vinyl grip and steel GI handle | Comply |
| 9.0 | BIB tab shall be in accordance with BS1010 1973 and shall be provided with hose union hose piece and hand wheel operated – proposed accordingly | We proposed HERZ BIB tab with hose bib connection, lever or t handle operated. Data sheet enclosed. | Comply |



SUBMITTAL COVER

| | | | |
|--------------|--|-----------------|-------------------|
| To: | WSP Middle East | Ref no.: | ABI-DCC-MS-ME-019 |
| FAO: | Amer Al Momani | Rev: | 01 |
| From: | Albonian International Electromechanical Works | | |

- | | | |
|--|---|--|
| <input type="checkbox"/> Technical Submittal | <input type="checkbox"/> Method Statement | <input type="checkbox"/> Test Certificates |
| <input checked="" type="checkbox"/> Material Submittal | <input type="checkbox"/> Sample | <input type="checkbox"/> Programme |
| <input type="checkbox"/> Manual | <input type="checkbox"/> Calculation | <input type="checkbox"/> Report |
| <input type="checkbox"/> Others: | | |

| | | | |
|--|---|--|---|
| Description: | Chilled Water Valves, PICVs HERZ (Herz Armaturen Ges. M.B.H.) | | |
| Attachment: | Material Submittal | | |
| Area of Use: | All Mechanical Areas | | |
| Discipline: | <input type="checkbox"/> Structural | <input type="checkbox"/> Architectural | <input checked="" type="checkbox"/> MEP <input type="checkbox"/> Civil <input type="checkbox"/> Other |
| Compliance Statement: The Contractor hereby Confirms that the Submitted Items have been Reviewed in Detail and are Correct and in Strict Conformance with Contract Documents. | | | |
| Contractor Signature: | Nidal Awad  | Date: | 16 / 12 / 2014 |

Consultant Comments:

| | |
|--|-------|
| WSP MIDDLE EAST  SITE OFFICE | |
| SUBMITTAL REVIEW STATUS | |
| <input checked="" type="checkbox"/> CODE A APPROVED | |
| <input type="checkbox"/> CODE B APPROVED AS NOTED | |
| <input type="checkbox"/> CODE C REVISE & RESUBMIT | |
| <input type="checkbox"/> CODE D REJECTED | |
| <input type="checkbox"/> CODE E FOR INFO & RECORD ONLY | |
| <small>Approval Does Not Relieve the Contractor of His Obligations Under the Contract.</small> | |
| Signature: | Date: |

Submittal Status:

- A – Approved
- B – Approved with Comments
- C – Revise & Resubmit
- D – For Information Only

Note: The Engineer's Approval shall not in any way Relieve the Contractor of his Obligation under the Contract. The Contractor shall be Solely Responsible for the Soundness and the Correctness of the Submitted Materials and Documents.


Signatures:

| | |
|--|---|
| <p>Consultant Signature & Stamp</p> <div style="text-align: center; margin: 20px 0;">  </div> <p>Name: MIGUEL Date: 17-12-2014</p> | <p>Contract Administrator Signature & Stamp</p> <div style="text-align: center; margin: 20px 0;">  </div> <p>Name: Amer Al Momani Date: 17-12-2014</p> |
|--|---|

SUBMITTAL COVER

| | | | |
|--------------|-------------------|-----------------|----------------------|
| To: | WSP Middle East | Ref no.: | KPSD-DCC-MTS-ME-0049 |
| FAO: | Amer Al Momani | Rev: | 0 |
| From: | ZENER STEWARD LLC | | |

- | | | |
|--|---|--|
| <input type="checkbox"/> Technical Submittal | <input type="checkbox"/> Method Statement | <input type="checkbox"/> Test Certificates |
| <input checked="" type="checkbox"/> Material Submittal | <input type="checkbox"/> Sample | <input type="checkbox"/> Programme |
| <input type="checkbox"/> Manual | <input type="checkbox"/> Calculation | <input type="checkbox"/> Report |
| <input type="checkbox"/> Others: | | |

| | | | |
|--|---|--|---|
| Description: | Pressure independent control valve | | |
| Attachment: | | | |
| Area of Use: | PROJECT WIDE | | |
| Discipline: | <input type="checkbox"/> Structural | <input type="checkbox"/> Architectural | <input checked="" type="checkbox"/> MEP <input type="checkbox"/> Civil <input type="checkbox"/> Other |
| Compliance Statement: The Contractor hereby Confirms that the Submitted Items have been Reviewed in Detail and are Correct and in Strict Conformance with Contract Documents. | | | |
| Contractor Signature: |  | Date: | 12/03/15 |

Consultant Comments:

| | |
|--|--|
| | <div style="border: 1px solid black; padding: 5px;"> <p>WSP MIDDLE EAST WSP</p> <p>SITE OFFICE</p> <p>SUBMITTAL REVIEW STATUS</p> <p><input checked="" type="checkbox"/> CODE A APPROVED</p> <p><input type="checkbox"/> CODE B APPROVED AS NOTED</p> <p><input type="checkbox"/> CODE C REVISE & RESUBMIT</p> <p><input type="checkbox"/> CODE D REJECTED</p> <p><input type="checkbox"/> CODE E FOR INFO & RECORD ONLY</p> <p><small>Approval Does Not Relieve the Contractor of His Obligations Under the Contract.</small></p> <p>Signature: _____ Date: _____</p> </div> |
| Submittal Status: | |
| <input checked="" type="checkbox"/> A – Approved <input type="checkbox"/> B – Approved with Comments <input type="checkbox"/> C – Revise & Resubmit <input type="checkbox"/> D – For Information Only | |

Note: The Engineer's Approval shall not in any way Relieve the Contractor of his Obligation under the Contract. The Contractor shall be Solely Responsible for the Soundness and the Correctness of the Submitted Materials and Documents.

Signatures:

| | |
|--|---|
| <p>Consultant Signature & Stamp</p> <div style="text-align: center; margin: 20px 0;"></div> <p>Name: Miguel Braga Date: 15-03-15</p> | <p>Contract Administrator Signature & Stamp</p> <div style="text-align: center; margin: 20px 0;"></div> <p>Name: Amer Al Momani Date: 15-03-15</p> |
|--|---|

YAS CLUB PROJECT

REQUEST FOR ALTERNATIVE OR SUBSTITUTION

TO: Mr. OMAR BASSAM, Project Manager

P.C.O.No.

CONTRACT: MAIN CONTRACT WORKS
 CONTRACTOR: ZUBLIN
 PACKAGE #: Air Conditioning & Ventilation

REQUEST # YC-ZUB-MAR-AC-0059-A
 DATE 30-Mar-13

This submittal will not be reviewed unless the Contractor complies with the minimum submittal requirements of comparison sheets, product data and cost comparison. (Ref. 1.9 -Specification Comparison Sheet of Control Forms and Volume 3, Division 1, Section 01030-Alternatives.)

PROPOSED ALTERNATIVE OR SUBSTITUTION:

PRODUCT METHOD OF FABRICATION METHOD OF INSTALLATION

SPECIFIED PRODUCT BALANCING VALVE

PROPOSED PRODUCT BALANCING VALVE

SPEC. SECTION # 23 70 00

PAGE # _____

ARTICLE # _____

SPECIFIED MANUFACTURER Nothing Mentioned on the Vendors List and Div.23 Specification

PROPOSED MANUFACTURER HERZ Middle East LLC - HERZ / AUSTRIA

BRIEF PRODUCT DESCRIPTION _____

REASON FOR PROPOSED ALTERNATIVE OR SUBSTITUTION

TO MITIGATE DELAYS OF SUPPLYING, SINCE THE PRODUCT WAS 100% ON STOCK.

COST AND TIME SAVINGS

COST NO YES AMOUNT (AED) (DEDUCTION) _____
 TIME NO YES DAYS _____

THE CONTRACTOR CERTIFIES AND UNDERTAKES THAT:

- * Same warranty will be furnished for proposed alternative or substitution as for specified product.
- * Same maintenance service and source of replacement parts, as applicable is available.
- * Cost data as stated above is complete. Claims for additional costs or time related to accepted alternative or substitution which may subsequently become apparent are to be waived. Other costs to other disciplines and/or contractors shall be borne by the Contractor.
- * Proposed alternative or substitution does not affect dimensions and functional clearances.
- * The cost for all changes to design, including architectural or engineering design, detailing, and construction cost including authorities approvals, caused by the requested alternative or substitution shall be fully the responsibility of the contractor at no cost to the employer.
- * Coordination, installation, and changes in the Work as necessary for accepted alternative or substitution will be complete in all respects.

THE CONTRACTOR FURTHER ACKNOWLEDGES THAT APPROVAL FOR ALTERNATIVE/SUBSTITUTION DOES NOT WAIVE HIS OBLIGATIONS TO THE EMPLOYER AS DETAILED IN VOLUME 3, DIVISION 1, SECTION 01030.

THE CONTRACTORS REP _____

Christian Meichsner

ZUBLIN
 إد زوبلين ايه جي
 مقاولون ومهندسون مائتفقات
 Ed. Zublin AG
 ABU DHABI ابوظبلي

DATE/TIME _____

REVIEW AND COMMENTS BY CONSULTANT

*Follow manufacturer's Recommendation for installation and storage materials.
 Submit sample for approval. Follow p.p and Estidama Requirements. Installation to be approved A layout. Certificate of origin to be provided. to be under spec section 23 70 00*

REVIEW AND ACTION BY CLIENT

Approved Not Approved Approved as Noted Incomplete Data Resubmit
 Request received too late Other _____

ADDITIONAL COMMENTS: _____

CLIENT's signature _____

DATE/TIME: _____

THE APPROVAL OF ANY ALTERNATIVE OR SUBSTITUTE PRODUCT/METHOD SHALL BE SOLELY AT THE DIRECTION OF THE ENGINEER AND SUCH APPROVAL SHALL IN NO WAY RELIEVE THE CONTRACTOR OF ANY OF HIS LIABILITIES AND OBLIGATIONS UNDER THE CONTRACT. THIS APPROVAL DOES NOT ENTAIL ANY ADDITIONAL COST OR TIME

RECEIVED BY CONTRACTOR: _____

DATE/TIME: _____

Distribution: Client Consultant Contractor Others



BO 3/4/13

| | | |
|--------------------|---------------------------------------|--------------------------------------|
| Form | MATERIAL SUBMITTAL | Submittal No.: YP-ZUB-MAR-CHW-0015-A |
| | | Date: 20-Mar-2014 |
| CLIENT | : MIRAL | ACTION |
| PROJECT | : YAS WELCOME PAVILION & CASCADE WALK | NO OBJECTION |
| CONTRACT | : | NO OBJECTION AS NOTED |
| CONTRACTOR | : ZÜBLIN CONSTRUCTION LLC | REVISE AND RESUBMIT |
| SUBJECT | : PRODUCT, MATERIAL SUBMITTAL | OBJECTION |
| TO | : EC HARRIS | |
| ATTACHMENTS | : As Noted | |
| LOCATION | : Overall | |
| DISCIPLINE | : Mechanical / Plumbing | |

| DWG. Ref. | SPEC. Ref. | BOQ's Ref. | DESCRIPTION | DOCUMENT TYPE | SUBMITTED FOR | ACTION CODE |
|-----------|------------|------------|-------------|--------------------|---------------|-------------|
| | | | CHW Valves | Material Submittal | Approval | B |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

MANUFACTURER / SUPPLIER :
Supplier: HERZ Middle East L.L.C.
Manufacturer: HERZ

This Submittal does/ does not deviate from Contract Documents (Circle one)

Contractor Signature: MAZEN AMMO, PROJECT MANAGER
Date: 20-Mar-14
Contractor Stamp



CONSULTANT REVIEW/ COMMENTS :

Refer to the enclosed 'Comments Sheet'.

CLIENT REMARKS :

| Consultant | Date | Client | Date |
|-----------------------------|-----------|--------|------|
| <i>Handwritten initials</i> | 31/Mar/14 | | |

| ROUTING | DATE | INITIAL | NAME |
|-----------------------|------|---------|------|
| Received by : ECH | | | |
| Forwarded to : | | | |
| Received from : ECH | | | |
| Forwarded to : ZÜBLIN | | | |



COMMENTS SHEET

Date: 31st March 2014
 Submittal Ref. No: YP-ZUB-MAR-CHW-0015-A dated 20th March 2014
 Project Name: Yas Welcome Pavilion & Cascade Walk
 Subject: **MAR: CHW valves**
 Review status: **B – Approved with comments**

Comments:

1. No vendor list for the CHW valves; however the proposed materials from Herz are technically acceptable.

-END-

Reviewed by: Elvin De Jose, Sr. Mech Eng.

Approved By: Ahmad Al Khaldi, Sr. RE 

| | | | |
|--|--------------------------------|----------------------------|---------------|
| AECOM | | | |
| PROJECT : Welcome Pavilion & Cascade Walk | | | |
| PROJECT No.: 60288354 | | | |
| A Approved | B Approved with Comments | C Revise & Re-Submit | D Rejected |
| DATE REVIEWED: 31 Mar 2014 | | | |
| REVIEWED BY: | | | |
| <small>This document is reviewed in accordance with the contract General Requirements under submittals and other applicable Sections and is intended to verify general conformance with the design. That Contractor remains fully responsible for accuracy of information, site and fabrication dimensions, coordination with other trades and works. Change of information contained in this document shall invalidate and be subject to a further review. The approval of Engineer for contractor's submittals shall not relieve the contractor of his responsibility under the contract in meeting the design intent and design accuracy of verification.</small> | | | |



الرقم : 014/ 795
التاريخ : 2014/09/ 13

نموذج اعتماد عينة أو مقاول باطن

| معلومات أساسية | |
|-------------------------|--|
| إسم عقد المشروع : | مشروع انشاء المكتبة المركزية لكليات البنات |
| الإستشاري المشرف : | مكتب الحصان الإستشارات الهندسية |
| المقاول الرئيسي : | مؤسسة الصملي للمقاولات |
| المورد / مقاول الباطن : | مؤسسة تم العربية (Team Arabia) |
| نوع البند : | مدني معماري ميكانيكا كهرباء |
| توصيف البند : | HAVC Valves |
| المورد / مقاول الباطن : | " HERZ " |
| المورد / مقاول الباطن : | بلد المنشاء Austria |
| المورد / مقاول الباطن : | بلد المنشاء |
| المورد / مقاول الباطن : | بلد المنشاء |



تقديم المقاول الرئيسي : مؤسسه الصملي للمقاولات
المهندس المختص : مهندس / إيهاب فؤاد عبد القفار

المرفقات : الكتالوجات الخاصة بالشركة .
جدول المقارنة بالمستندات التعاقدية :
شهادات الخبرة :
أخرى :

توصية الاستشاري المشرف :
المهندس المختص :
إعتماد بدون ملاحظات (كود A)

إعتماد مشروط (كود B)
As per attached letter from the Contractor, they would like to substitute value manufacturer from Econosto to "Herz". As per attached documents, this product is made in "Europe" countries. They have all necessary certificate in manufacturing. This value has been used in many projects in different countries including "K.S.A." it

لجنة الاعتماد بالجهة المالكة *
إعتماد بدون ملاحظات (كود A)
الرفوض (كود D)
إعتماد إعادة التقديم (كود C)

التوجيهات :
الإسم :
التوقيع :

المشرف العام على إدارة المدينة الجامعية
د . عبدالله بن محمد الربيش

* includes ministry of Education projects. It has compiled this project specification. As mechanical Engineering consultant, I have no objection to use this value manufacturer.



TRANSMITTAL FOR APPROVAL

17 JUL 2014
 DIRECTOR GENERAL
 MILITARY WORKS

المصالح
 احمد سليمان آل فهد و Sons LTD.CO
 Ahmed Soliman Al fahad & Sons LTD.CO

PROJECT NO: 17/523
 Transmittal No: MT-MEC-007
 Previous Trans. No: N/A
 Date sent 2/7/2014
 Date returned

New Submittal
 Resubmittal

Shop DWG
 EQUIP. Data
 Material
 Samples
 Certificates
 Design
 Others

| Description of ITEM Submitted | NO OF COPIES | CONTRACT REFERENCE DOCUMENT | | Signature of Reviewer | Action code |
|---|--------------|-----------------------------|-----------|-----------------------|-------------|
| | | SPEC. PARA NO. | SHEET NO. | | |
| VALVES FOR PLUMBING SYSTEM | 3 | DIVISION 22 | | | (B) |
| DIRECT AWARD FOR TRADING ESTABLISHMENT | 2 | | | | (B) |
| TRAYAT TRADING (HATTERSLEY) | 2 | | | | (B) |
| Personal Services Trading Co (ECONOSTO) | 3 | | | | (B) |
| PERSONAL BUILDING MATERIALS (UBM) | 3 | | | | (B) |



That the above submittal has been reviewed in detail and approved for construction in and other respects. The contractor shall ensure that the above submittal complies with the requirements of the contract items specification and the project design.

Ahmed Soliman Al fahad & Sons LTD.CO
 CN: 1010220958 - O.U.
 المصالح احمد سليمان آل فهد
 CONTRACTOR

GMW ACTION

NAME, TITLE & SIGNATURE OF APPROVING AUTHORITY DATE

(Herz) 2/7/2014

FOLLOWING CODES ARE GIVEN TO ITEMS SUBMITTED

A - APPROVED AS SUBMITTED
 B - APPROVED EXCEPT AS NOTED ON SUBMITTED ITEM. REFER TO ATTACHED SHEET.
 C - APPROVED EXCEPT AS NOTED ON SUBMITTED ITEM. REFER TO ATTACHED SHEET.
 D - WILL BE RETURNED BY SEPARATE CORRESPONDENCE
 E - DISAPPROVED. SEE ATTACHED SHEET
 F - SEE COMMENTS ON ATTACHED SHEET
 G - RETURNED WITHOUT ACTION SEE ATTACHED SHEET



Hill International

Al Rajhi Bank



Drake & Scull Construction KSA



SUBMITTAL FORM - CONTRACTOR

Project: Operation and Data Centers

Work Package: MC00

| | | | |
|---|--|-------------------------|--|
| TITLE: Valve for Plumbing & HVAC | SUBMITTAL NO: ARB-DC-MC00-CS-DSC-MPD-M-0241 | | |
| TO: Hill International | REVISION NO. 00 | DATE: 07 Dec.-14 | |
| FROM: Drake & Scull Construction KSA | C/REF: | | |
| ATTN: Mr. Goran Erdelji (PM) | Submitted For: <input type="checkbox"/> For Info <input type="checkbox"/> For Review <input checked="" type="checkbox"/> For Approval | | |

TYPE OF SUBMITTAL

- | | | |
|--|--|---|
| <input type="checkbox"/> SDS - Shop Drawing Schedule | <input type="checkbox"/> SMP - Samples | <input type="checkbox"/> PQD - Pre-Qualification |
| <input type="checkbox"/> SCE - Programme / Schedule | <input type="checkbox"/> CRT - Certification, Verification & Verification of Performance | <input type="checkbox"/> OMM - Operating & Maintenance Manuals |
| <input type="checkbox"/> ITP - Inspection & Test Plan | <input type="checkbox"/> TST - Test reports | <input type="checkbox"/> QPP - Quality Plans & Procedures |
| <input type="checkbox"/> MST - Method Statement | <input type="checkbox"/> MUP - Mock Ups & QC Panels | <input type="checkbox"/> INC - Insurance Certificates |
| <input checked="" type="checkbox"/> MPD - Product & Materials Data | | <input type="checkbox"/> PBW - Bonds, Guarantees, Warranties |
| | | <input type="checkbox"/> ABD - As Built Drawings <input type="checkbox"/> OTH -Others |

SUBMITTAL DISCIPLINE & DESCRIPTION

- C-CIVIL S-STRUCTURAL A-ARCHITECTURAL E-ELECTRICAL M-MECHANICAL O-OTHER

SPECIFICATION & BOQ REF.

Location / Use

PROJECT MANAGEMENT CONSULTANT'S REVIEW

Name: Goran Erdelji Signature: [Signature] Date: 22/12/14

CLIENT'S COMMENTS (optional)

Name: _____ Signature: _____ Date: _____

SUPERVISION CONSULTANT'S COMMENTS

- A-APPROVED B-APPROVED AS NOTED, WORK MAY PROCEED - INCORPORATE COMMENTS & RESUBMIT WITHIN 14 DAYS

1. Refer to comments on enclosed sheet.



Reviewed by: NS Signature: [Signature] Date: 21/12/14

DATE RECEIVED: _____ DATE RETURNED: _____

SUPERVISION CONSULTANT'S SIGNATURE

For & On behalf Resident Engineer (Hyder)

Name: _____ Signature: _____ Date: _____

ORIGINAL

Hyder EKH... Engineering Consultant

Project **PPNNCC** مجمع المراكز الطبية التخصصية

| | | | |
|---|--|---|--|
| Client Ministry of Health King Fahad Medical City | Consultant HKS المركز الهندسي HAR ENGINEERING | Contractor Al-talafia HLC LEIGHTON MIDDLE EAST | MEP Subcontractor Drake & Scull USA HLS HARTCOOR LEIGHTON SPECOR |
|---|--|---|--|

MATERIAL SUBMITTAL

| | | | | | | | | | | |
|---------|------------------------------------|--------|--------|---|---|---|---|---|---|---|
| Ref. No | KFMC-PPNNCC-PTC-DSHS-MAT-M-HP-0270 | Rev.00 | Date : | 0 | 4 | 1 | 2 | 1 | 4 | <input checked="" type="checkbox"/> New Submittal |
| | | | | | | | | | | <input type="checkbox"/> Resubmittal |

| | | | | | |
|--|--|--------------------------------------|---------------------------------|------------|--------|
| <input type="checkbox"/> Architectural | <input type="checkbox"/> Electrical | <input type="checkbox"/> Low Current | <input type="checkbox"/> Civil | Specs. No. | VARIAN |
| <input type="checkbox"/> Structural | <input checked="" type="checkbox"/> Mechanical | <input type="checkbox"/> Plumbing | <input type="checkbox"/> Others | Drwg. No. | |

| Description* | Manufacturer | Supplier | No. of Catalogue/Sample | Code |
|--|----------------|---|-------------------------|------|
| Double regulating valves for process cooling , Applicable to PTC | HERZ - AUSTRIA | Direct Award Trading Est P.O.Box 14288 Riyadh 11 Ph: 00966-11-2009653 Fa: 00966-11-2009653 E-mail: info@dategcc.com | 1/1 | 18 |

* Description: (Manufacture, Model, Type, Size, Colour, etc.)

| | | | | | |
|---|----------------------------------|--|---|--------------------------------------|--|
| <input checked="" type="checkbox"/> Catalogue | <input type="checkbox"/> Drawing | <input checked="" type="checkbox"/> Sample | <input checked="" type="checkbox"/> Certificate | <input type="checkbox"/> Calculation | <input checked="" type="checkbox"/> Document |
|---|----------------------------------|--|---|--------------------------------------|--|

Having checked this submittal, we certify that it confirms to the requirements of the Contract Documents in all respects, except as otherwise indicated herein.

Subcontractor's:
 Material Engineer: [Signature] MEP Manager: [Signature] Technical Manager: [Signature]
 M. A. Nabi

Contractor's:
 Material Engineer: [Signature] MEP Manager: [Signature] Technical Manager: [Signature]

Received by: _____
 Date: _____ Name & Signature of Consultant: _____

Remarks / Comments:
 Refer to comments on document review form.

| | | | | | |
|--------|---|---|---|----------------------------------|-----------------------------------|
| Status | <input checked="" type="radio"/> A Approved | <input type="radio"/> B Approved as noted | <input type="radio"/> C Revise & Resubmit, Work shall not proceed | <input type="radio"/> D Rejected | <input type="radio"/> N No Action |
|--------|---|---|---|----------------------------------|-----------------------------------|

| | | | |
|------------------------|--------------------------------------|---------------|-------------------------|
| Consultant Site Office | | Client Office | |
| Engineer: | MEP / Project Manager: | | |
| <u>[Signature]</u> | <u>[Signature]</u> | | |
| Date: <u>15/12/14</u> | Name & Signature: <u>[Signature]</u> | Date: _____ | Name & Signature: _____ |

Sultanate of Oman

Royal Court Affairs
The Royal Estates

سلطنة عمان

شؤون البلاط السلطاني
المنشآت السلطانية

08 FEB 2015

01 MAR 2015

Material Approval Circulation – Transmittal Note Ref: Phase 17, TN – 706

| Contract Title | | Hisn A'Shumookh Extension : Phase 17 | | | Date of Issue : | 08-Feb-15 | | | | | |
|--------------------------|------|--------------------------------------|------------------------|-----|-----------------|---------------------|-----|-----|--|--|--|
| Client: | | Royal Court Affairs | | | Attn: | Mr. Shailesh Pawar | | | | | |
| Consultant: | | Central Design Office (CDO) | | | | Mr. Mohd. Al Hashmi | | | | | |
| Main Contractor: | | Target LLC | | | | Mr. J.D. Singh | | | | | |
| MAS Reference | Rev. | DESCRIPTION | Status (A / AWC / R) * | | | | | | | | |
| | | | RCA / CDO / RCA | | | | | | | | |
| | | | RCA | CDO | RCA | CDO | RCA | CDO | | | |
| MAS-AC-024 (alternative) | 3 | Chilled Water Valves | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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TARGET
AWC
2/3/2015

| Signed | TARGET | | RCA, Nizwa | | CDO | | RCA, Nizwa | | TARGET | |
|--------|-----------|----------|------------|----------|------|----------|------------|----------|--------|----------|
| | Sent | Received | Sent | Received | Sent | Received | Sent | Received | Sent | Received |
| | | | | | | | | | | |
| Date | 08-Feb-15 | | | | | | | | | |

Notes:
Circulation to be TARGET → RCA, Nizwa → CDO → RCA, Nizwa → TARGET
* Approved (A) / Approved with comments (AWC) / Rejected (R)

RECEIVED
02 MAR 2015
TARGET PROJECT OFFICE
RECEIVED BY:

| TARGET LLC | | |
|------------------------------------|------|--------|
| Hisn A'Shumookh - Phase 17 (I-151) | | |
| Construction of RGC Complex | | |
| NAME | COPY | ACTION |
| DIRECTOR | | ✓ |
| MANAGER | | ✓ |
| SR. ENGINEER G-1 | | ✓ |
| SR. ENGINEER G-2 | | ✓ |
| MEP COORDINATOR | | ✓ |
| PCS | | ✓ |
| PLANNING | | ✓ |
| QC | | ✓ |
| SITE ENGINEER G1 | | ✓ |
| SITE ENGINEER G2 | | ✓ |
| DRAFTSMAN | | ✓ |
| HSE | | ✓ |
| DOC | | ✓ |
| STORE | | ✓ |
| SUB-CONTRACTOR | | ✓ |
| ALL STAFF | | ✓ |
| H.O. | | ✓ |

DSFG
FYA



MATERIAL APPROVAL SHEET

| | | | |
|---|---|---|---|
| Proj. Ref.: DPN/15/14 | Project: Hisn Al Shumookh Extension Phase-17 | MC: TARGET LLC SC: Drake & Scull International LLC | Date: 31.01.2015 |
| Material Description: CHILLED WATER VALVES | | MAS No: MAS-AC-024 (Rev 3) (ALTERNATIVE) | Drg. Ref. : M-02, M-BA1-02-1 BOQ Ref. : 12/30 E,F,G,& 4/47R Spec. Ref.: 18.1.5 |
| Location to be Used : All Buildings Chilled water system | | | Enclosure : Yes Drawing : N/A Sample : N/A Literature: Yes |
| Signature of Contract | | Date : 31.01.2015 | Other: |
| PROJECT OFFICE P.O. Box 574, Ruwi, P.C.: 112 Sultanate of Oman | | PROPOSED | |
| MAKE/MODEL | T&A, ATS, Hattersley, Crane, Herz | MAKE/MODEL | Herz |
| CAPACITY/SIZE | As Per Schedule Attached | CAPACITY/SIZE | As Per Schedule Attached |
| MANUFACTUER | T&A, ATS, Hattersley, Crane, Herz | MANUFACTUER | Herz |
| LOCAL AGENT | - | LOCAL AGENT | Middle East Engineering Solutions LLC |
| PLACE OF ORIGIN | United Kingdom | PLACE OF ORIGIN | European Union Countries |
| NOTICE OF COST VARIATION : N/A | | REASON FOR ALTERNATIVES : N/A | |
| <input type="checkbox"/> Accepted AS Complying with Contract <input checked="" type="checkbox"/> Accepted but With Comments as noted below <input type="checkbox"/> Rejected as noted below, now Submittal required | | | |
| COMMENTS | * State Country of Origin * Submit Sample 26/2/15 u | | |
| REMARKS / COMMENTS FROM ROYAL ESTATES | Date received : Date forwarded : | | |
| The approval of MAS does not relieve the contractor of his responsibility for errors. | | | |

P.O. Box: 949, Post Code 100, Tel : 24 736 170 / 24 736 270 Fax : 24 736 536

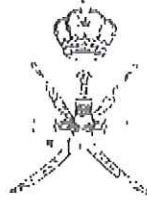
E-Mail: cdomct@rca.gov.om

Country of origin shall be as per approved list / Lists

RE/COOL/GA/160/809
DRO 15/5/2014

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

*Sultanate of Oman
Royal Court Affairs
The Royal Estates
The Palace - Muscat*



سُلْطَنَةُ عُومَانِ
شُرُوكُ الْمَلِكِ السُّلْطَانِي
الْمَسْتَقَرَّ السُّلْطَانِي
الْمَسْتَقَرَّ - مَسْقَط

Ref. : RE/CDO/GA/160/ 1809

Date : 15 Rajab 1435
15 May 2014

M/s. Middle East Engineering Solutions L.L.C
Post Box : 1227, Hai Al Mina,
Postal Code : 114
Sultanate of Oman

Fax: 24498023

Attn: Mr. K.G. Muralidharan, Managing Director

Dear Sirs,

HERZ make Valves from Austria

Further to your letter Mes/cdp/herz-1 dated 29/04/2014 and we have no objection to include the above product in our approved material list.

This is for your information and necessary records please.

Yours faithfully,

Zuhair bin Ali Dawood
D.G of Architectural & Engineering Design
Central Design Office

GA/SJ

P.O. Box : 949, Postal Code 113
Telephone : 24736170/24736270
Telefax : 24736536
E-mail : cdomct@diwan.gov.om

ص.ب : ٩٤٩، الرمز البريدي ١١٣
تليفون : ٢٤٧٣٦٢٧٠ / ٢٤٧٣٦١٧٠
تليفاكس : ٢٤٧٣٦٥٣٦
البريد الإلكتروني : cdomct@diwan.gov.om

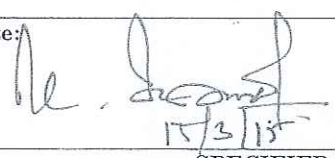


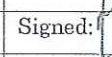


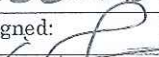
Sultanate of Oman
 Royal Court Affairs
 The Royal Estates
 The Palace - Muscat



سلطنة عمان
 شؤون البلاط السلطاني
 للمنتجعات السلطانية
 القصر - مسقط

MATERIAL APPROVAL SHEET

336

| | | | | | | |
|--|--|---|---|--|---|--|
| Project Ref: DPM / 04 / 14 | Project: Royal Opera House Muscat- Supplementary Theatre Facilities | Contractor: Oman Shapoorji Construction Co. LLC. | Date: 11.03.2015 | | | |
| Material Description: CHW Valves & Accessories 26/6/2015 | | MAS Number : MS-DSIO-ME- 039 (Rev.01) | DRG. REF : AC-1010, 1011 & DETAILS DRAWINGS BOQ. REF : 4/95, 4/96, 4/97 & 4/98 SPEC. REF : 2/4/9 | | | |
| Location to be used: A/C System | | ENCLOSURE | | | | |
| Signature of Contractor: | Signature of Sub Contractor: | DRAWING : N/A | | | | |
| Date:  15/3/15 | Date: 11.03.2015  | SAMPLE : N/A | | | | |
| | | LITERATURE : ENCLOSED | | | | |
| | | OTHER : CATALOGUE | | | | |
| SPECIFIED | | PROPOSED | | | | |
| MAKE/MODEL | Not Specified | MAKE/MODEL | Herz | | | |
| CAPACITY/SIZE | Not Specified | CAPACITY/SIZE | 1/4" - 8" | | | |
| MANUFACTURER | Not Specified | MANUFACTURER | Herz | | | |
| LOCAL AGENT | Not Specified | LOCAL AGENT | Middle East Engineering Solutions | | | |
| PLACE OF ORIGIN | Not Specified | PLACE OF ORIGIN | Europe / Austria | | | |
| NOTICE OF COST VARIATION: N/A | | REASONS FOR ALTERNATIVES: | | | | |
| COMMENTS: <i>Revise the valve schedule according to the approved working drawing</i> | | | | | | |
| SUB Contractor | Main Contractor | SUB Consultant | Consultant | RCA | RCA | Return to works Contractor Date: |
| DSIO | OSCO | MAJAN | QUAD | BSE | Project Director | |
| Date of Submission: | Date Received: | Date Received: | Date Received: | Date Received | Date Received | |
| | 12/03/2015 | | 16/3/15 | 23.6.2015 | 23.6.2015 | |
| Signed: | Signed: | Signed: | Signed: | Signed: | Signed: | Not Approved (C) |
| |  |  |  |  |  | |
| | Date | Status | Date | Status | Date | Approved with comments (B) |
| | 15/03/2015 | B | 15/5/15 | B | 19/5/15 | Approved (A) |
| | | | | B | 23/6/2015 | |
| The approval of MAS does not relieve the contractor of his responsibility for errors: | | | | | | |



THE SUPREME COUNCIL FOR NATIONAL SECURITY GENERAL SECRETARIAT BUILDING

Material Submittal

From:

Ghantoot Tpt & Gen. Cont. Est.
Building Division



Package: SCNS General Secretariat Building

Description: Pressure Independent Control Valves (PICV)

To: PMDC

Attn: Mr. Mazen Amin Qaffaf
(Project Manager)

Scheduled date for Submission:

Subject: Pressure Independent Control Valves (PICV)

Sub Date: 30-Jul-2014

No. of Sheets: 01 of 01

Document Sub. No: GTGCE/J074/MS-AC-023

Rev. 00

Discipline: MEP

I certify that the below submitted item is correct and in strict conformance with the contract.

Any Deviation from contract requirements? Yes No (If yes, fill out the TSPC form provided flipside of this sheet)

- Drawing Ref. -
- Specification Ref. -
- BOQ Ref. -

Supplier: HERZ MIDDLE EAST

Material Description:

Material Submittal for "Pressure Independent Control Valves (PICV)"

Attachments:

- 1) 3 Nos. Hard Copies
- 2) 1 No. Sample Board

Supervision Consultant Comments:

See the comments written on the attached letter.



30/7/2014

PMDC Project Manager's Comments:

| Approval (Circle LETTER) | | Received (Please stamp on the corresponding square) | | |
|--------------------------|-------------------|---|---|----------------------------------|
| A | Approved | PM receipt of submittal | Supervision Consultant's receipt of submittal | Contractor's receipt of response |
| B | Approved as noted | | | |
| C | Revise & resubmit | | | |
| D | Rejected | | | |

Permission to proceed does not constitute acceptance or approval of design details. Calculations, drawings, analysis, test methods or materials developed or selected by the supplier do not relieve the contractor from full compliance with contractual obligations.

| | | |
|-------------------|-------------------------------|----------------------------------|
| QA/QC initial: | Checked by Consultant | PMDC Consultant Project Manager: |
| Contractor PM : | R. E. / Section Engineer : | |
| Sign: | Sign: | Sign: |
| Date: 30-Jul-2014 | Date: 31/7/14 | Date: 31-7-14 |



Date: 30th July 2014

PROJECT: SCNS General Secretariat Building
SUBMITTAL REFERENCE: (GTGCE/J074/MS-AC-023)
SUBJECT: Pressure independent control valve
DISCIPLINE: Mechanical- HVAC
REVISION: REV- 00
CONSULTANT COMMENTS: Approved as Noted

Comments details:

1. Commissioning support should be provided by the manufacturer as suggested by the supplier of the valve. The commissioning report should be approved by the supplier prior to submitting it for consultant's approval.
2. The commissioning kit should be as recommended and approved the valve manufacturer only. No other kits are allowed to be used for commissioning.
3. The contractor should submit a valves schedule that includes valve model, size and setting suggested for each Air handling unit and fan coil unit.
4. Upon delivery, provide five years warranty as required against corrosion for valves' cartridge and body.

Eng. Aamir Farook Abdul Hameed
Senior Mechanical Engineer



BIN BELAILA CONTRACTING LLC

شركة بيليلة للتقانة والبناء

MATERIAL APPROVAL REQUEST {MAR}



ENG. ADNAN SAFFARI

TITLE:

Submittal ID No :

| | | | | | |
|------------|------------|----------------------|---------------|-----|--------|
| Originator | Discipline | Spec No | 4 Digit SR No | Rev | Copies |
| TES | MEP-AC | MEP SPECS. (HVAC) | MAR- | 0 | 3 |

PROJECT **NEW DUBAI GATE 2 TOWER (E-103)**

CLIENT Bonyan International Investment Group

CONSULTANT Eng.Adnan Saffarini

CONTRACTOR Bin Belaila Contracting L.L.C.

Material / Product Description:

AC-03 Valves & Strainers

Issuing Date : 23.02.2014

Supplier / Manufacturer

Brand : Herz
Make : Europe
Supplier : Herz Middle East LLC

Specification Ref No:

Division MEP

Section HVAC

Supporting Documents

Location of Use All Building

- 1- Product Data
- 2- Sample
- 3- Drawings

MEP Subcontractor (M/s TES)

Main Contractor (M/s Bin Belaila)

Project Manager :

Project Manager :

Name : Eng. Hassan Al Hajouj (PM)

Name : Eng. Jenan Sarafa (PM)

Signature :

Signature :

Received EAS By

Date

Forward EAS To:

Date

CONSULTANT & APPROVAL ACTION

Submittal is

APPROVED REJECTED - REVISE & RE-SUBMIT

COMMENTS

APPROVED

APPROVED WITH COMMENTS

APPROVED
H. Hassan Al Hajouj

Signature:

Consultant Action Rec'd on:

Date:

Client Rep:



Ref. No. : Su/EBCC/MZ/dt/0755/1110
Date : 04 August 2014

M/s. Emirates Belbadi Contracting Co. Ltd.
P.O. Box 44477
Abu Dhabi, U.A.E.
Tel. No.: 02 631 7171
Fax No.: 02 631 7087

Attention : Eng. Thaer Al Gouthani
Project Manager

Project : ENI Shams Abu Dhabi Tower
Location : Plot No. S2-C14 (RS-2-C11), Al Reem Island, Abu Dhabi

Subject : Pressure Independent Control Valve

Dear Sir,

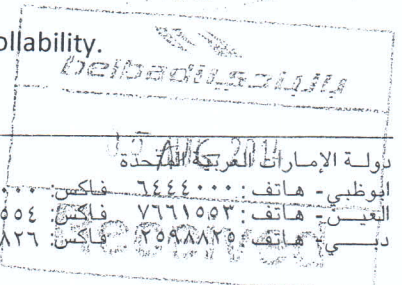
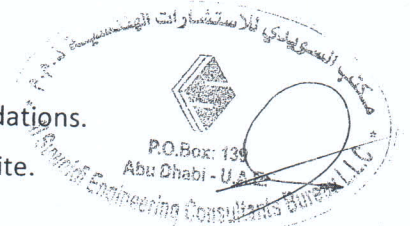
Reference to your letter Ref. No. P39/PM/L/CO/23B/1116/A dated 27 July 2014 along with 2 sets of the revised Pressure Independent Control Valves Material Submittal.

Further to our review, we have no objection to approve the proposed PICV's from HERTZ – EU Origin as follows:

| Application | Description | Remarks (Sizes and Models) |
|----------------------|--------------------------------------|---|
| Standalone FCU's | 2-ways PICV with ON/OFF Actuator | PICV Valve Size: DN 15, 20 & 25 Valve / Actuator Model: 1400621-22-12/1799000 |
| FCU Connected to BMS | 2-ways PICV with Modulating Actuator | PICV Valve Size: DN 20 Valve / Actuator Model: 1400622/1799000 |
| Standalone AHU's | 2-ways PICV with Modulating Actuator | PICV Valve Size: DN 32 & 40 Valve / Actuator Model: F400674-5/L-NV 24A SR-TPC |
| AHU's | 2-ways PICV with Modulating Actuator | PICV Valve Size: DN 32 & 40 Valve / Actuator Model: F400674-5/L-NV 24A SR-TPC |
| FAHU's | 2-ways PICV with Modulating Actuator | PICV Valve Size: DN 65 & 80 Valve / Actuator Model: F400681-3/EV 24A SR-TPC |

Subject to the following:

- 1- Installation works to be done as per the manufacturer's recommendations.
- 2- Certificates of Origin to be provided upon Material Delivery to the Site.
- 3- Flow rates tolerance must not exceed to the manufacturer's limit.
- 4- Successful testing and commissioning to prove optimum system controllability.
- 5- Correct flow rates shall be achieved at all operating conditions.





- 6- Update the BMS Supplier regarding the control points for any necessary modification.
- 7- Revise the valve and actuator selections, if necessary as per our comments via letter Ref No. Su/EBCC/MZ/rz/0755/1103 dated 26 July 2014 regarding the FAHU's.
- 8- Mock up installation sample to be prepared on site for the QA/QC verification.
- 9- Coordination is required between the concerned trades on site to ensure optimum installation and further performance.
- 10- Full (3) sets of material submittals to be provided, as proper.
- 11- Commitment to the Tender Documents and Local Authorities requirements is strictly required.

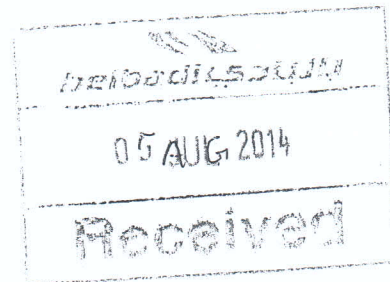
This is for your information and necessary action.

Sincerely,



Mohammed Rushdi Zarzar
MEP Section Head

Attachment : As mentioned above
Cc. : Emirates National Investment (04-4524555)
Mr. Nizar B. (PM-SECB)





شركة العارف للمقاولات ش.م.ع.
AL-ARIF CONTRACTING CO. LLC

TECHNICAL SUBMITTAL

CONTRACT NO. 1473 - Utmost properties
CONTRACT TITLE 313-548 at Al Hamriah – Dubai.
CONTRACTOR ACC. Al Arif Contracting Co.

Submittal Type: Pressure Independent Control Valves
Submittal No: **AC-27**
Revision No: 1
Date: **28-06-2014**
Title: Pressure Independent Control Valves
Discipline: HVAC



Product Name : **Pressure Independent Control Valves**
Manufacturer : HERZ

TO : A&B. Arif & Bintook engineering consultancy FROM : Al Arif Contracting Co.

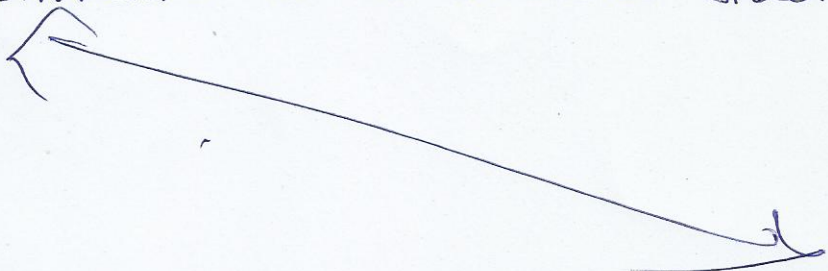
DESCRIPTION :

Pressure Independent Control Valves for approval/comments if any to power factor electromechanical works.

*for Hamada
Maseer
27/7/14*

LEAD SECTOR CONSULTANT'S COMMENTS :

Refer comments on the attached sheet



CONTRACTOR'S REVIEW

Contractor has reviewed this submission prior to submission to Consultant

SIGNATURE *[Signature]*
8/7/2014

SUBMITTAL STATUS

- APPROVED NO COMMENTS
- APPROVED AS NOTED
- NOT APPROVED - RESUBMIT
- FOR RECORD ONLY

Date Received by Consultant

Date Returned to Contractor

LEAD SECTOR CONSULTANT'S SIGNATURE

For and on behalf of
Arif & Bintook

[Signature]
Date :

Annexure -1

Material Submittal Approval Ref# AC-27 Rev 01 dated 03/07/2014- Pressure independent control valves

No objection subject to the following:



- Independent lab results should be provided by supplier as per specification.
- **As manufacturer is not in the approved list as per specification, contractor to attach previous approval from A&B Consultant and other consultants for final approval.**
- **Sample shall be provided for final approval prior to purchase full quantity.**
- Procedure and method statement is required to verify the installed valve is achieving design performance including flow rate, temperature difference etc.
- Installation, Testing and commissioning should be done as per manufacturer's recommendations and under supervision of supplier.
- The valve and actuator shall be matched prior to site delivery.
- Country of origin certificate shall be provided upon delivery.
- Contractor to strictly comply with project specification.
- **Final approval subject to satisfactory performance at testing and commissioning and at operating conditions.**




Engineer Name: Alameen Ahamed sha


Status - Approved with comments

10/07/2014




| | | |
|--|--|--|
|  موانئ أبوظبي ABU DHABI PORTS | Abu DhabiPorts Project |  ZUBLIN Construction LLC |
| PROJECT TITLE | Project – Contract No. 2107-209 Refurbishment of Zayed Port Cruise Terminal | |

MATERIAL APPROVAL REQUEST Chilled Water Valves

| CONTRACTOR'S VERIFICATION STAMP |
|--|
| We, Züblin Construction L.L.C., verify that this contractor's document: <ul style="list-style-type: none"> • Has been produced and checked in accordance with contractor's quality assurance plan • Is of a standard that will enable the employer to accept it in accordance with the contract • Complies with all requirements of the contract |
| Following deviations to contract are referenced for which a dispensation has been accepted by the employer: |
| Other related letters/CTIs which document clarifications associated with this document are listed below: |
| Consultant/Contractor's Project Manager: |
| <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> Mazen Ammo Project Manager </div> <div style="text-align: center;">  Signature </div> <div style="text-align: center;"> 01.Jul.2015 Date </div> </div> |

| DOCUMENT STATUS STAMP | | |
|---|---------|---|
| <input checked="" type="checkbox"/> | Code 1: | Work may proceed. |
| <input type="checkbox"/> | Code2: | Revise & Resubmit. Work may proceed subject to incorporation of comments indicated. |
| <input type="checkbox"/> | Code3: | Revise & Resubmit. Work may not proceed. |
| <input type="checkbox"/> | Code4: | Review not required. Work may proceed. |
| The statement "work may proceed" applies to the following work activities associated with the matters contained within the contractor's document: | | |
| Any review, comment or acceptance by employer under this contract with respect to any of contractor's documents shall not in any way be, or deemed to be, an approval of any works or an acceptance that the contractor's documents meet the requirements of the contract, as contractor has the sole responsibility for performing the works in accordance with the requirements of this contract. | | |
| <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Abu Dhabi Ports </div> <div style="text-align: center;"> 5/7/15 Date </div> </div> | | |

Document Number: 2107-209-V4-7000-00009 Rev.001





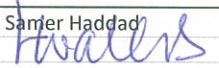


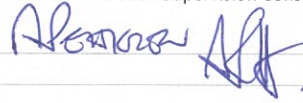
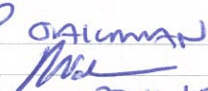

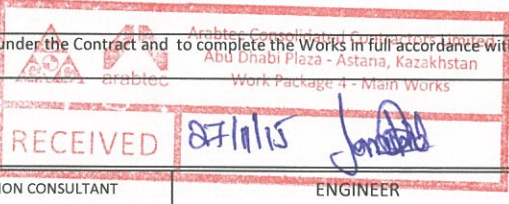
| Rev | Date | Reason For Revision | Prepared | Checked | Approved |
|-----|-------------|---------------------|---|--|--|
| 001 | 01.Jul.2015 | Issued for Approval |  J. Chavez |  R. Schielke |  M. Ammo |

Holders of registered copies receive revisions to this document, should they occur, with a request that the superseded copy be destroyed. Registration of copies eases at taking over date. The revision number is included at the end of the document number, which is noted in the right of the bottom of each page. When amendments occur, the whole document is re-issued with the revision number updated accordingly.

- (1) Revisions are shown in italics. Deletions are hidden. Earlier additions revert to normal text in subsequent amendments
- (2) The QA Manager reviews and the project Manager approves amendments by signature on the cover sheet to the document
- (3) The document controller maintains a Register of the holders of this document
- (4) Amendments to the document are distributed according to (1) above and this I reflected in the register
- (5) The document controller keeps the original of the latest version of this document

KPIZ DCC 7 JUL '15 12:44

KPIZ DCC 2 JUL '15 14:35

| | | | | | | | |
|---|--|--|--|---|--|---|--------|
|   | | ABU DHABI PLAZA - ASTANA, KAZAKHSTAN PROJECT TRANSMITTAL NOTICE | |   | | | |
| FM-QMP-1122-002-003 | | REV. : 003 | | | | | |
| PROJECT No | : A560101/2011/C/014 | TRANSMITTAL # | : WP4/TN/CAJ/08637 | | | | |
| WORK PACKAGE 4 MAIN WORKS | | DATE | : 12/11/2015 | | | | |
| FROM | : Arabtec Consolidated Contractors Ltd. | Time | : 18:30:00 | | | | |
| TO | : Mott MacDonald Ltd | | | | | | |
| Attention | : Mr. Paul Oakman | | | | | | |
| Distribution | : | Employer | Engineer | CSC | Others | Issued For: | |
| DOCUMENT TYPE | : DRA: Drawing | SKT: Sketch | CAL: Calculation | MST: Method Statement | OTR: Other | <input checked="" type="checkbox"/> Comment | |
| Tick Box | : WTY: Warranty | TR: Test Result | CTF: Certificate | MOM: Meeting Minutes | | <input type="checkbox"/> Information | |
| | : LTR: Letter | RPT: Report | TD: Technical Data | <input checked="" type="checkbox"/> MT: Material Transmittal | | <input type="checkbox"/> As requested | |
| | : INV: Invoice | PRG: Programme | SMP: Sample | IR: Inspection Request | | <input type="checkbox"/> Record & file | |
| Media *Paper (P) Paper Master (PM) Transparency (T) Disk (D) | | | | | | | |
| No | Document Title | Document Reference Number | Rev. | Media* | Copies | Discipline | Status |
| 1 | Material Approval Request - Plumbing Valves (Herz) | ADP-220523-002 | 002 | P | 3 | MEP | A |
| Issued by: Contractor | | | Acknowledgement of Receipt | | STATUS LEGEND: | | |
| Contractor Representative : Samer Haddad | | | Name : L. NEDAMO | | <input checked="" type="checkbox"/> A - No comment | | |
| Signature :  | | | Signature :  | | B - Noted w/comments - revise & resubmit | | |
| Date : _____ | | | Date : 13-11-2015 | | C - Rejected / Resubmit | | |
| | | | | | D - For Information Only | | |
| CSC's Comments /Remarks: • NO FURTHER COMMENT • VALVE SELECTION W/HERZ STAMPED SHALL BE SUBMITTED IN DUE COURSE/HEARING SYS APPROVAL • SECURE COUNTRY OF ORIGIN & LOCAL PASSPORT | | | ENGINEER'S Comments /Remarks: * see CSC general notes, * see Warranty comment. | | | | |
| Name:  Date: 25/11/15 | | | Name: Moh Elweshyhy Date: 27.11.15 | | | | |
| Attached additional comments continuation sheet ref: _____ | | | | | | | |
| For and on behalf of the Construction Supervision Consultant: | | | For and on behalf of the Engineer : | | | | |
| Name :  | | | Name : P. Oakman | | | | |
| Signature : _____ | | | Signature :  | | | | |
| Date : 25-11-15 | | | Date : 27-11-15 | | | | |
| This review and the Engineer's comments does not relieve or diminish the Contractor of any of his responsibilities under the Contract and to complete the Works in full accordance with the Contract. | | | | | | | |
| RECEIVED BY CONTRACTOR and STAMP: | | | | | | | |
| PRINT Name: Jamelhid | | Signature:  | | Date/Stamp: 27/11/15  | | | |
| DOCUMENT TRACKING: | | | | | | | |
| CONTRACTOR | | CONSTRUCTION SUPERVISION CONSULTANT | | ENGINEER | | | |
| Issued Via ACONEX | : | | | | | | |
| Workflow Ref. No. | : | | | | | | |
| Transmittal Ref. No. | : | | | | | | |
| Date | : | | | | | | |

*Warranty to be 5 years from take over certificate,
 *Warranty to reference spec.220523, part 1, item 1.10
 and spec 1780, part 2, item 2.10



Arabtec Consolidated Contractor LTD.
Abu Dhabi Plaza – Astana, Kazakhstan
Material Approval Request (MAR)







Form No: FM-QMP-1122-006-001

Revision: 004

Date: 25/04/2015



Page 1 of 217

| | | | | |
|---|---|---|------------------|-------------|
| Document No. ADP-220523-002 | REV No. 002 DATE: 09/11/2015 | MATERIAL DESCRIPTION: Plumbing Valves | | |
| DESIGN CONCESSION REQUIRED | | <input type="checkbox"/> YES / NO <input checked="" type="checkbox"/> | | |
| 1. MATERIAL | Plumbing valves | | | |
| NAME OF PRODUCT | Herz | | | |
| LOCATION OF USE | All Blocks Water supply system | | | |
| NAME OF MANUFACTURER & COUNTRY OF ORIGIN | Herz, Europe,China | | | |
| NAME OF LOCAL AGENT/SUPPLIER | Herz Middle East LLC. | | | |
| NAME OF SPECIALIST CONTRACTOR / INSTALLER | ACCL JV | | | |
| 2. REFERENCE SPECIFICATION / SECTION No. | 220523 | | | |
| 3. REFERENCE BILL No. / CODE ITEM No(S) | N/A | | | |
| 4. REFERENCE DRAWING (S) | ARJ-PL-DRA-H-02-L14-00005 ~ | | | |
| 5. REQUIRED ON SITE (DATE) | December, 2015 | | | |
| 6. DELIVERY PERIOD (DATE) | 4-6 weeks | | | |
| 7. ASSURANCE OF DELIVERY ON TIME | <input checked="" type="checkbox"/> YES / NO <input type="checkbox"/> | | | |
| 8. LONG LEAD ITEM | <input type="checkbox"/> YES / NO <input checked="" type="checkbox"/> | | | |
| 9. MOCK UP | <input type="checkbox"/> YES / NO <input checked="" type="checkbox"/> | | | |
| 10. LEED COMPLIANCE | <input type="checkbox"/> YES / NO <input checked="" type="checkbox"/> | | | |
| 11. THE MANUFACTURER LISTED IS APPROVED VENDOR | <input type="checkbox"/> YES / NO <input checked="" type="checkbox"/> (VE Item) | | | |
| 12. ISO CERTIFICATE . | <input checked="" type="checkbox"/> YES / NO <input type="checkbox"/> | | | |
| 13. ATTACHED DOCUMENTS | | | | |
| <input type="checkbox"/> SAMPLE | N/A | | | |
| <input checked="" type="checkbox"/> MANUFACTURER LITERATURE | Attached | | | |
| <input checked="" type="checkbox"/> COMPLIANCE STATEMENT | Attached | | | |
| <input checked="" type="checkbox"/> TEST CERTIFICATES / PERFORMANCE DECLARATION | Attached | | | |
| <input checked="" type="checkbox"/> GUARANTEE / WARRANTY: MANUFACTURER / SUPPLIER | Attached | | | |
| <input type="checkbox"/> MATERIAL SAFETY DATA SHEET | N/A | | | |
| <input checked="" type="checkbox"/> LEED COMPLIANCE REPORT | Attached | | | |
| ARABTEC CONSOLIDATED CONTRACTOR | | | | |
| | TITLE | Name | Signature | Date |
| PREPARED BY | Senior Design Mechanical. Engineer | Mohammed Mohiuddin | | 09/11/2015 |
| CHECKED BY | Lead Design Mechanical Engineer | Mohamed Sabri Fathallah | | 09/11/2015 |
| CHECKED BY | MEP Engineering Manager | Murat Yildiz | | 09/11/2015 |
| CHECKED BY | LEED Coordinator | Khaled Hamaideh | | 09/11/2015 |
| CHECKED BY | QA/QC Manager | Mohammad Al Hossainy | | 09/11/2015 |
| CHECKED BY | Engineering Manager | Awni Najjar | | 09/11/2015 |
| APPROVED BY | MEP Project Director | Ghanem Rasheed | | 09/11/2015 |

| | | | |
|---|---|---|---------------|
|   | Arabtec Consolidated Contractor LTD. Abu Dhabi Plaza – Astana, Kazakhstan Material Approval Request (MAR) |   | |
| Form No: FM-QMP-1122-006-001 | Revision: 004 | Date: 25/04/2015 | Page 2 of 217 |

Abu Dhabi Plaza - WP 4 Main Works

CONTRACTOR'S NOTICE

Submittal Number ADP-220523-002 Rev 002

Specification 220523

Reviewer's Name Awni Nassar

Signature *[Handwritten Signature]*

Date Nov 12 2015

In accordance with Sub-Clause 5.2 [Contractor's Documents] of the Conditions of Contract we wish to notify the Engineer that the attached documents are considered to be compliant with the requirements of the Contract and subsequently ready for Review / Comment

EMPLOYER: EMPOWER ENERGY SOLUTIONS

THE ENGINEER: ALLIED CONSULTANTS LTD

MAIN CONTRACTOR : GULF DISTRICT COOLING

SUBMITTAL COVER

TO:
ALLIED CONSULTANTS
P.O. Box No. 87816
Dubai, UAE.

FROM:
GULF DISTRICT COOLING
P.O. Box No. 81340
Dubai, UAE.

Submittal Ref.: BBDCP03/GDC/BS/SBM/0429 REV 02

DATE: 26-Nov-15

TYPE OF SUBMITTAL:

- | | | |
|---|--|---|
| <input type="checkbox"/> SHOP DRAWING | <input type="checkbox"/> PROGRAMME | <input type="checkbox"/> METHOD STATEMENT |
| <input type="checkbox"/> SAMPLES | <input type="checkbox"/> AS BUILT DRAWINGS | <input type="checkbox"/> SCHEDULES |
| <input type="checkbox"/> CATALOGUES AND PRODUCT DATA | <input type="checkbox"/> O AND M MANUALS | <input checked="" type="checkbox"/> CD |
| <input type="checkbox"/> STRUCTURAL CALCULATIONS | <input checked="" type="checkbox"/> MATERIAL SUBMITTAL | <input type="checkbox"/> OTHERS |
| <input type="checkbox"/> CERTIFICATE AND VERIFICATION PERFORMANCE | <input type="checkbox"/> MOCK UPS | |

DISCIPLINE:

- | | | |
|---|---|---|
| <input type="checkbox"/> CIVIL / STRUCTURAL | <input checked="" type="checkbox"/> BUILDING SERVICES | <input type="checkbox"/> CONTROL & MONITORING |
| <input type="checkbox"/> ARCHITECTURAL | <input type="checkbox"/> ELECTRICAL | <input type="checkbox"/> PROCESS ENGINEERING |

DESCRIPTION:

MATERIAL SUBMITTAL FOR GENERAL VALVES AND STRAINERS FOR CHW & PLUMBING VALVES.
MAKE : HERZ.



Contractor has reviewed the documents prior to submission:

BBDCP-3

SUBMITTAL REVIEW STATUS:

- | |
|---|
| <input type="checkbox"/> A - APPROVED - Work may proceed |
| <input checked="" type="checkbox"/> B - APPROVED WITH COMMENTS - Work may proceed with review comments to be incorporated |
| <input type="checkbox"/> C - NOT APPROVED - Resubmission required before works may proceed |
| <input type="checkbox"/> D - REJECTED - Not accepted and not to be resubmitted |

EMPLOYER COMMENTS:

ENGINEER COMMENTS:

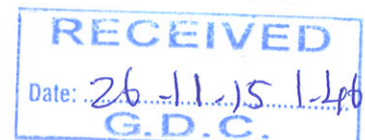
- Ensure that the stems are extended for all the insulated valves.

Wasfi

FOR AND BEHALF OF ALLIED CONSULTANTS

DATE RECEIVED:

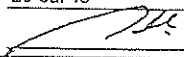
DATE RETURNED:



Project Details

| | | | |
|-----------------|---|-----------|-----------------------|
| Project Name | : CITY TOWER 2, (COMMERCIAL BLDG.) | Date | : 20-Jul-15 |
| Main Contractor | : M/s . AL -BONIAN INTERNATIONAL | Ref. | : P1502-11-01-01-31 |
| Consultant | : M/s ERGA PROGRESS ENGINEERING CONSULTANTS | Pri.Code | : P1502 |
| Client Name | : M/s . GALLERIA INVESTMENT LLC. | | |
| Work Location | : AL SAFFA , DUBAI | | |
| Transmitted To | : M/s. ERGA PROGRESS ENGINEERING. | Attention | : Mr. Khaled Al Assi. |

Kindly find attached the Material Submittal For the following items


| | | | |
|-----------------------|--|------------------------------------|---------------|
| Material Description | : Valves and Accessories Rev 04 | | |
| Local/Agent Supplier | : M/S Herz Middle East FZE | Material Submittal Schedule Ref. # | : MEP-AC-MS12 |
| Proposed Brand | : Herz | Specified Brand | : _____ |
| Reason for proposal | : _____ | | |
| <u>Transmitted By</u> | | | |
| Name | : Abdel salam Alfakhoury | | |
| Designation | : Project manager | | |
| Date | : 20-Jul-15 | | |
| Signature | :  | | |

STAMP

Received By Consultant / Main Contractor

| | | |
|-----------|---------|-------|
| Name | : _____ | STAMP |
| Date | : _____ | |
| Signature | : _____ | |

Consultant / Main Contractor Use Only

| | | | | | |
|-------------|---|--------------|--------------------------|-----------------------|-------------------------------------|
| Approved | <input type="checkbox"/> | Not Approved | <input type="checkbox"/> | Approved as Commented | <input checked="" type="checkbox"/> |
| Comments | : - Submit Warranty for 2-years for all valves. | | | | |
| Signed By | | | | | |
| Name | :  | | | | |
| Designation | : _____ | | | | |
| Date | : 23/07/2015 | | | | |
| Signature | : _____ | | | | |

STAMP

Received By Albonian

| | | |
|-----------|---------|-------|
| Name | : _____ | STAMP |
| Date | : _____ | |
| Signature | : _____ | |

Received
23/07/2015
