

KHANSAHEB CIVIL ENGINEERING L.L.C.

Construction Division

Al Rashidiya

P. O.Box 2716

Dubai, United Arab Emirates

خانصاحب للهندسة المدنية ذ.م.م.

قسم الإنشاءات

الراشدية

ص.ب ٢٧١٦

دبي، الإمارات العربية المتحدة

Ref: 201A22002/K100/SK/qa/0070  
 Inventure Façade Contracting (L.L.C.)  
 P.O. Box 119920  
 Dubai  
 United Arab Emirates  
 Tel No. 04 295 5969

24<sup>th</sup> June 2022Email. [shabu@inventureuae.com](mailto:shabu@inventureuae.com); [anoop@intentureuae.com](mailto:anoop@intentureuae.com)

Attn; Mr. Shabu- Technical Director

Dear Sir,

**Dorchester Hotel & Residences  
 Supply and Installation of Glass Balustrade, Glass doors, Louvers- Post Tender  
 Meeting**

Further to the meetings held at our site offices on 22<sup>nd</sup> June 2022, we enclose herewith for your information and further action the following;

- |                                  |            |
|----------------------------------|------------|
| 1. Minutes of Kick off meeting   | (13 pages) |
| 2. Relevant Correspondence       | (01 page)  |
| 3. Tender Clarification Schedule | (01 page)  |
| 4. K5 Summary of Requirements    | (03 pages) |
| 5. Bill of Quantities            | (01 pages) |

Please sign the minutes of meeting (page 12) and the K5 form and return these pages to our offices for record.

We trust the enclosed is an accurate representation of the meeting held, however, should you have any comments please advise in writing within 5 days of the date of this letter, failing which you will be deemed to have accepted the attached as a true record.

Yours faithfully,  
 for and on behalf of Khansaheb Civil Engineering LLC.

Chris McCann  
 Senior Project Manager

Encl. as noted

**KHANSAHEB CIVIL ENGINEERING LLC**  
**SUBCONTRACTOR'S POST TENDER REVIEW MEETING**

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Subcontractor (SC):	Inventure Façade Contracting (L.L.C.)	Meeting Date:	22.06.22
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**Purpose of Meeting:** To review the technical & commercial aspects of the Subcontractor's tender, to ensure the bid is compliant with the tender enquiry, ascertain if the Subcontractor has fully understood the scope of the package & has the current capacity to execute the works and manage any associated risks.

**SCOPE OF WORK:**

The design (to the extent defined in the Subcontract), procurement, fabrication, delivery, handling, offloading, distribution, installation, maintenance, testing and commissioning of all works associated with Glass Balustrade, Glass doors, Louvers.

SUBCONTRACTOR DETAILS (SC)		KHANSAHEB DETAILS (KCE)	
Name:	Inventure Façade Contracting (L.L.C.)	Name:	Khansaheb Civil Engineering LLC
Address:	P.O Box 119920 Dubai, UAE	Address:	P.O.Box 2716 Dubai, UAE
Tel No.	04 295 5969	Tel No.	04 605 7200

NAME (SC)		DESIGNATION	NAME (KCE)		DESIGNATION
Present:	Shabu Xavier	Technical Director	Present:	Kevin Davies Vinod Nandikaramadam Saman Kulsooriya	Commercial Manager Senior Site Agent Sr Quantity Surveyor

**Khansaheb point of contact (KCE):**

Name:	Chris McCann
Position:	Senior Project Manager
Mobile No:	056 507 6171
Email:	chris.mccann@khansaheb.ae

**Project Commercial Manager (KCE):**

Name:	Kevin Davies
Mobile No:	050 651 1597
Email:	kevin.davies@khansaheb.ae

**Subcontractor point of Contact (SC):**

Name:	Anoop S.B.
Position:	Design & Estimation Manager
Mobile No:	050-729 9594
Email:	anoop@inventureuae.com

**Correspondence:**

All correspondence issued in connection with this Subcontract is to be addressed to the Contractor's / Subcontractor's designated 'point of contact' noted above.

The SC confirmed that their point of contact named above is deemed to be duly authorised to act on behalf of and agree matters on behalf of the Subcontractor and to act as the Subcontractor's Representative under the Subcontract.

**KHANSAHEB CIVIL ENGINEERING LLC**  
**SUBCONTRACTOR'S POST TENDER REVIEW MEETING**

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
Item	Minute	Action by	Date
2.0	Commercial Sufficiency		
2.1	<p><b>Khansaheb Tender Enquiry</b></p> <p>SC confirmed receipt of KCE tender Enquiry:            Reference: KCE(Anil) email, 16.04 am            Dated: 03.06.22</p> <p>Further communication is listed in the Schedule of Relevant Correspondence attached in Appendix No. 1 of these minutes.</p>		
2.2	<b>Validity of the Subcontractor's Tender</b>		
2.2.1	The SC confirmed its tender reference dated <span style="background-color: #e0e0e0;">20-Jun-22</span> remained valid until <span style="background-color: #e0e0e0;">IMPI/DXB/13177A/2022</span> <span style="background-color: #e0e0e0;">20-Jul-22</span>		
2.2.2	SC confirmed its tender price as: <span style="background-color: #e0e0e0;">AED 1,331,893.00</span>		
2.2.3	SC confirmed its tender price was: <span style="background-color: #e0e0e0;">Subject to Remeasurement</span> <span style="background-color: #e0e0e0;">Fixed Price</span>		
2.2.4	SC confirmed that its rates and prices are fixed until: <span style="background-color: #e0e0e0;">Issuance of the Performance Certificate</span>		
2.2.5	SC confirmed that after discount its final offer is: <span style="background-color: #e0e0e0;">AED 1,331,893.00</span>		
2.3	<b>Insurance, Bonds &amp; Warranties</b>		
2.3.1	SC confirmed that an Advance Payment would not be required	<span style="background-color: #e0e0e0;">No</span>	
2.3.2	KCE and SC agreed that the Advance Payment would be <span style="background-color: #e0e0e0;">5</span> % of the Subcontract price.	<span style="background-color: #e0e0e0;">5</span>	See continuation page
2.3.3	The Advance Payment will be recovered at <span style="background-color: #e0e0e0;">5</span> % of the gross amount certified to the SC in interim payment certificates, until the advance payment has been fully recovered.	<span style="background-color: #e0e0e0;">5</span>	
2.3.4	KCE and SC agreed that a Performance Bond would be <span style="background-color: #e0e0e0;">10%</span> of the Subcontract price	<span style="background-color: #e0e0e0;">10%</span>	See continuation page

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Item	Minute	Action by	Date
2.3	Insurance, Bonds & Warranties continued		
2.3.5	SC confirmed that their tender included the provision of all warranties and guarantees required by the tender document and to satisfy the Employer's Requirements. Where a warranty or guarantee for a particular item is not clear from the tender documentation, the SC agreed to obtain the maximum warranty / guarantee available from the specified suppliers.		
2.3.6	SC agreed to provide a Collateral Warranty if required	Yes	
2.3.7	The SC confirmed and agreed that the cost of supplying the above bonds and warranties is included in their Subcontract price and that failure to provide them will result in interim payments being withheld.		
2.3.8	KCE and SC agreed that the following insurances are to be provided:		
	Workmen's Compensation	S/C	Plant & Equipment
	Professional Indemnity	N/A	CAR / Third Party
			Employer
2.3.9	The SC agreed to provide copies of their up to date policies and confirmed that if any insurances expire during the currency of the Project, the Subcontractor is to provide evidence of renewal.		
2.4	Valuation & Payment		
2.4.1	KCE and SC agreed that valuations are to be submitted on:		
	30th of each month		
	KCE confirmed that payment would be made within	15	days
	of receipt of the corresponding payment from the Employer		
2.4.2	KCE confirmed and the SC agreed that the retention percentage on the work is		
	10 %		
2.4.3	The release of retention will take place in line with the conditions of the Main Contract which states that the first half will be released:		
	On receipt of the Taking Over Certificate for the Main Contract works		
2.4.4	The Balance of retention release will occur:		
	See Continuation Sheet		
2.4.5	KCE and SC agreed that all retention payments will be made within	15	
	days of receipt of	the corresponding payment from the Employer	

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Item	Minute	Action by	Date
2.4	Valuation & Payment continued		
2.4.6	If the SC fails to comply with the agreed programme (section 6) then Liquidated Damages / Penalties for the whole of the Works and any section, where applicable, will be applied in line with the amounts under the Main Contract.	See continuation page	
2.4.7	KCE and SC agreed that the Defect Liability Period would be: 365 days from date of Taking over certificate		
	Further commercial terms were recorded in the continuation sheets: <input checked="" type="checkbox"/> Yes		
2.5	Conditions of Contract		
2.5.1	<b>Main Contract</b> Project Description: All outstanding Works required to bring the Project known as the Dorchester Hotel & Residences to completion		
2.5.2	Form of Contract: <input type="checkbox"/> FIDIC first ed. 1999 Red Book as amended by Particular Conditions (see continuation sheet)		
2.5.3	KCE confirmed and the SC agreed that the Main Contract documents, including drawings, specifications and other schedules / appendices (excluding commercially sensitive information) are available for inspection by the SC.		
2.5.4	The SC confirmed that his offer is fully technically and commercially compliant with the Main Contract and any future Subcontract agreement will be performed on a back to back basis, except as noted herein.		
2.5.5	The SC confirmed that he has made due allowance for the above in his price.		
	<b>Subcontract</b>		
2.5.6	Form of Subcontract: <input type="checkbox"/> FIDIC Subcontract 2011 with Part II Particular Conditions		
2.5.7	KCE and SC agreed that the Subcontractor's tender qualifications, exclusions, attendances, terms and conditions are superseded by the amendments / agreements made in:		
	Appendix 2 Clarification schedule		
2.5.8	KCE and SC confirmed their responsibility for the provision of certain attendances / facilities by reviewing the K5 form.		
	The K5 was agreed and will be signed and returned by the SC within 2 days of the date of this meeting		

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Item	Minute	Action by	Date
3.0	Design		
3.1	<p>The following design responsibilities were identified as being the responsibility of the SC (if none state none):</p> <p>The SC will be responsible for connection designs / calculations ( If Required ) necessary to execute the Subcontract Works.</p>		
3.2	<p>The following temporary works design responsibilities were identified as being the responsibility of the SC (if none state none):</p> <p>The SC will be responsible for the design of temporary works as necessary to execute the Subcontract Works.</p>		
3.3	The SC confirmed that his design, will be in accordance with the Tender and Main Contract documents and all design obligations shown and / or described therein are included.		
3.4	SC confirmed that it has sufficient and competent design resource available to deliver the above design responsibilities for this project.		
3.5	SC confirmed that his tender is fully compliant with all applicable Building Standards, Statutory Authority Regulations, Civil Defence and Municipality requirements etc.		
3.6	<p>SC confirmed that he has included for the provision of shop drawings:</p> <p>Yes</p>		
3.7	<p>SC agreed to provide all necessary as-built information and records:</p> <p>Yes</p>		
3.8	SC agreed to provide all necessary information and records necessary for incorporation into the projects operating and maintenance manuals:		
3.9	<p>Yes</p> <p>KCE confirmed and SC agreed that for the purposes of payment, unless the as-built details / O &amp; M manuals and any other close out documentation to be provided by the SC are in compliance with the Subcontract, that KCE may withhold payments.</p>		

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Item	Minute	Action by	Date								
4.0	Change Management										
4.1	<p>KCE confirmed and SC agreed that payment for additional work will not be made without prior written instruction from the following named persons:</p> <table> <thead> <tr> <th>Title</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Project Manager</td> <td>Chris McCann</td> </tr> <tr> <td>Sr. Quantity Surveyor</td> <td>Saman Kulasooryia</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Title	Name	Project Manager	Chris McCann	Sr. Quantity Surveyor	Saman Kulasooryia				
Title	Name										
Project Manager	Chris McCann										
Sr. Quantity Surveyor	Saman Kulasooryia										
4.2	<p>KCE and SC agreed that the valuation of works on a daywork basis: <span style="border: 1px solid black; padding: 2px;">will not be</span> permitted on this contract.</p> <p>If permissible KCE and SC agreed that the rules of 4.1 above would apply and the SC would submit comprehensive record sheets within 24 hours of the work being carried out.</p>										
4.3	The SC agreed to promptly advise KCE, in writing, of the impact that any instruction may have on the Subcontract works and to comply with the requirements of the Subcontract in all cases.										
4.4	Instructions issued by the Client / Consultants direct to the Subcontractor should not be acted on, unless relating to H&S matters. The SC agreed to notify KCE in writing about any instruction issued by the client.										
4.5	SC agreed to proceed with all instructions issued by the above named persons, including cases where the value has not been agreed.										
5.0	Technical Sufficiency										
5.1	<p>SC stated that its tender was technically fully compliant with the tender enquiry documents including but not limited to specifications, drawings, BOQ etc. and all applicable Building Standards / Statutory Authority Regulations, including Civil Defence and Municipality requirements etc. current at the date of its tender.</p> <p><span style="border: 1px solid black; padding: 2px;">Yes</span></p> <p>If no, the variance were identified as; [refer to appendix 2 for a complete list of clarifications / agreements]</p>										

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Item	Minute	Action by	Date						
5	Technical Sufficiency continued								
5.2	<p>KCE and SC reviewed the KCE Trade Checklist:</p> <p>If yes, the following pertinent points were identified: As per the Trade Check list</p>	Yes							
5.3	<p>Further minutes were recorded in the continuation sheets:</p> <p>SC summarised what innovation, construction and material alternative options can be offered with potential cost savings: Not Applicable</p>	No							
6.0	Programme								
6.1	<p>KCE confirmed that the site working hours are:</p> <table> <tr> <td>Sunday to Thursday</td> <td>7am - 5pm</td> </tr> <tr> <td>Friday</td> <td>7am - 5pm</td> </tr> <tr> <td>Saturday</td> <td>Closed</td> </tr> </table> <p>If the SC wishes to work outside the above hours then permission must be requested / obtained from KCE's Project Manager in writing with 24 hours notice. Additional supervision / attendance cost incurred by KCE as a consequence will be charged to the SC's account.</p>	Sunday to Thursday	7am - 5pm	Friday	7am - 5pm	Saturday	Closed		
Sunday to Thursday	7am - 5pm								
Friday	7am - 5pm								
Saturday	Closed								
6.2	<p>The SC confirmed that the Subcontract works will be carried out in accordance with the durations and sequence indicated in KCE programme reference:</p> <p>Programme to be agreed to align with Main Contract Programme.</p>								
	A copy of which has been enclosed within Appendix 4	No							
6.3	<p>SC confirmed receipt of KCE Main Contract programme rev and confirmed their acceptance of the same.</p>	No	N/A						

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Item	Minute	Action by	Date
6.0	Programme continued		
6.4	SC confirmed that it was fully able to resource the works, including all necessary management, supervision, labour and plant in order to meet the requirements of the project and programme.		
6.5	SC confirmed that it would submit a detailed programme for approval within: 7 days from receipt of an LOI.		
6.6	SC confirmed that it would submit a resource histogram for labour & plant within: 7 days from receipt of an LOI.		
6.7	SC confirmed that it would submit procurement / submittal / shop drawing / information release schedules within: 7 days from receipt of an LOI.  SC is to ensure that all schedules are comprehensive and that information is requested / submitted in time to meet the requirements of the above referenced programme.		
6.8	SC confirmed that it would commence the production of shop / design drawings on receipt of the IFC drawings from KCE.		
6.9	SC agreed to provide a comprehensive schedule of long lead items for KCE's review including all documentation to evidence that all suppliers / manufacturers are working toward the agreed programme dates: N/A S/C Confirmed no long lead in items		
6.10	KCE advised the SC of other critical interfaces or factors affecting the programme and the SC agreed to co-ordinate their works with other Subcontractor trades:  Civil works & MEP works etc. but not limited to.		
6.11	KCE confirmed and the SC agreed that continuity of work cannot be guaranteed and the SC has allowed for an adequate number of visits to execute and complete the Subcontract works.		
6.12	SC confirmed that method statements and risk assessments will be submitted for approval within a minimum of 14 days prior to the commencement of the Subcontract works on site or as required to comply with the programme current at that time.		
6.13	KCE stated that from time to time the Project Manager may amend the programme. The SC acknowledged this and confirmed that it would comply with any amendment.		

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
Item	Minute	Action by	Date
7.0	Management of the Subcontract Works		
7.1	SC confirmed that it would provide full time competent supervision whilst the Subcontract works are ongoing and the level of supervision would be commensurate with the extent of the SC's works. SC also agreed that CV's of proposed supervisor(s) would be provided 1 week from award for KCE's review and approval.		
7.2	SC agreed that if the number of supervisors is inadequate and / or the knowledge, capability and experience of those supervisors is not to KCE's satisfaction, then the SC will be given the opportunity to resolve this within a set timeframe. Should the SC fail to take the appropriate action then KCE shall take whatever measures are necessary to ensure the safe and timely delivery of the works. Any additional costs, charges or expenses incurred by KCE as a consequence will be charged to the Subcontractor's account.		
7.3	The SC agreed to attend regular progress / co-ordination meetings at the request of KCE and the SC agreed to prepare a progress report prior to each meeting detailing the status of both on and off site activities.		
7.4	SC agreed to submit its proposed organisation chart for the project.		
8.0	<b>Safety, Quality &amp; Environmental</b>		
8.1	SC confirmed its intention to sub-let part of the Subcontract works:  No		
	If yes, the SC requested permission to sub-let the following works to the named companies below, and agreed that all KCE's conditions, standards, worker welfare policies etc. would also be applied to its subcontractors:		
8.2	SC confirmed that its labour for this project would be supplied by:  Direct & Hired legally employed resource		
	If hired resource, SC confirmed the name of the labour supply company under item 8.1.		
8.3	SC confirmed that should any element of the works at any stage be required to be sub-let outside of the above list the SC would, prior to starting the works, obtain KCE's approval and provide details of the scope being sub-let and of the proposed companies. The SC also confirmed that it would warrant that the performance of all of their supply chain would be in line with the SC's own obligations as outlined in section 8.1 in every regard.		

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Item	Minute	Action by	Date					
8.4	The SC confirmed that all subcontractors listed in 8.1 or any future subcontractors referred to in 8.3 would be pre-qualified and assessed to ensure their competence and capacity to complete the sub-let element of works. The SC agreed to provide prequalification records upon request.							
8.5	KCE explained to the SC the requirements of their K-Standards that relate to the package works and the SC confirmed that they would fully comply with these standards and that the associated costs are included in their tender price.							
8.6	KCE confirmed that a copy of the company health, safety, environmental & sustainability policies and company procedure are available for inspection on site and stated that the content of this document was the minimum standard to be achieved by the SC. The SC confirmed and agreed to its application.							
8.7	KCE confirmed that a copy of the company Worker Welfare Procedure is available for inspection at KCE's Head Office and that the requirements of this document must be respected and adhered to in relation to the employment of labour in every regard. The SC confirmed and agreed to its application.							
8.8	KCE confirmed that all persons entering site must attend a site induction and provide all required documentation.  The site inductions would be held on site at the following times: <table border="1"><tr><td>Day</td><td>Daily</td><td>Time</td><td>7am</td></tr></table>	Day	Daily	Time	7am			
Day	Daily	Time	7am					
	KCE confirmed and SC agreed that should their persons fail to attend the above induction then they must leave site and return for the next available induction. All cost associated with this will be the responsibility of the SC.							
8.9	SC confirmed that it would provide weekly tool box talks to its operatives along with daily briefings on the methodology and controls required to complete the works  From time to time KCE may request the SC to carry out a tool box talk on a specific subject matter. The SC agreed to comply with any such request.							
8.10	The SC confirmed that the below named person would be their Safety Officer(s) on the project and confirmed that this person held the following qualifications:  <table border="1"><tr><td>Name</td><td>to be advised</td></tr><tr><td>Qualifications</td><td>to be advised</td></tr></table> <i>Note: minimum requirement of NEEBOSH qualification. Alternatives qualifications will be subject to prior approval from KCE Safety Department</i>  SC agreed that the above named person would be on site during the execution of the works <table border="1"><tr><td>full time</td></tr></table> SC agreed to comply with the DM code of construction safety practice as a minimum, ensuring that the required attendance & qualifications of its Safety Officers are met.  SC agreed to provide a copy of its proposed Safety Officers CV for KCE's review and approval. Dependant on the number of operatives the SC has on site the number of Safety Officers required may increase as described in the DM code. The SC agreed to promptly provide further names and CV's of any additional Safety Officers required, for KCE's prior approval.	Name	to be advised	Qualifications	to be advised	full time		
Name	to be advised							
Qualifications	to be advised							
full time								

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Item	Minute	Action by	Date
8.11	KCE confirmed that the OSP19 Disciplinary Action Procedure for safety violations would be incorporated into the Subcontract. Any fines will be deducted from interim payments due to the SC.		
8.12	KCE explained the key details of the project safety plan as outlined below and the SC confirmed its understanding:  A full copy of the Project HSE Plan & logistics plan is available for the SC to inspect / review		
8.13	KCE explained the key details of its Sustainability's policy and confirmed its commitments to a sustainable construction.		
8.14	SC confirmed its commitment to sustainability in line with KCE's policy and outlined some of the sustainability initiatives it was currently undertaking:  Yes		
8.15	SC agreed to comply with KCE's Quality plan and QA procedures currently in force, a copy of which is available on site for the SC to review.		
8.16	SC agreed to provide compliance certificates for all workmanship, materials, plant & equipment supplied for the Project and agreed to provide an inspection & test plan prior to commencing the works on site, to which the plan relates.		
<b>9.0</b>	<b>Further Matters</b>		
9.1	Further matters raised by KCE / SC are recorded on the continuation sheets attached.  Yes		
<b>10.0</b>	<b>Intention to Subcontract</b>		
10.1	KCE having considered the SC tender and the SC representations during this meeting advised that the following option as described below will be taken:  <input type="checkbox"/> Option 1: KCE stated that other Subcontract tenders are under consideration and will contact the SC in the near future. <input checked="" type="checkbox"/> Option 2: KCE stated its intention to proceed to complete a Subcontract agreement. <input type="checkbox"/> Option 3: KCE requested that the SC provide further and better particulars as identified in these minutes to enable evaluation of the SC tender to be completed. <input type="checkbox"/> Option 4: KCE will not proceed further on this occasion.		

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
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Item	Minute	Action by	Date
10.2	KCE stated that in the event of a Subcontract award a Letter of Intent (LOI) would be issued. The SC agreed to proceed on this basis whilst the formal Subcontract Agreement was being collated.		
10.3	<p>KCE confirmed the list of documentation appropriate for incorporation into the formal Subcontract order in the event of award is:</p> <p>As listed in Appendix 1 of these minutes</p> <p>These minutes and attachments</p> <p>Any further documents issued from the date of these minutes until placement of order</p>	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No	
11.0	<b>Statement of Agreement</b>		
11.1	<p>These minutes together with the below referenced attachments are issued 'subject to contract' but are agreed and accepted to be a complete and accurate record of discussions and as such may form part of a future Subcontract agreement and then be binding on the parties. In the event that they are not issued immediately after the meeting, the SC is requested to return them to KCE within 5 calendar days of receipt having previously raised and agreed with KCE's representative below any matter that will reasonably require amendment.</p>		
11.2	<p>Signed for Khansaheb:</p> <p>Name (print): Saman</p>  <p>Date: 26.06.22</p> <p>Signature:</p>		
11.3	<p>Signed for SC:</p> <p>Name (print):</p> <p>Date:</p> <p>Signature:</p>		
12.0	<b>Attachments</b>		
12.1	No. of continuation pages	<input type="checkbox"/> 1	
12.2	Appendix 1 - Relevant Correspondence	<input type="checkbox"/> Yes	
12.3	Appendix 2 - Tender Clarification Schedule / <del>hand-marked copy of SC tender</del>	<input type="checkbox"/> Yes	
12.4	Appendix 3 - K05 Summary of Attendances	<input type="checkbox"/> Yes	
12.5	Appendix 4 - Programme of Works <i>Bill of Quantities</i>	<input type="checkbox"/> Yes	

Contract:	Dorchester Hotel & Residences, Business Bay	Contract No:	201A22002
Item	Minute Continuation Sheets	Action by	Date
2.3.2	The Advance Payment is subject to the Employers approval and the provision of a Security Cheque by the SC.		
2.3.4	Subcontractor is to provide a Security Cheque in lieu of Performance Bond in the sum of 10% of Subcontract value.		
2.4.1	KCE will issue a payment certificate within 10 days of receipt of the corresponding payment certificate issued under the Main Contract.		
2.4.4	The balance of retention release will occur upon receipt of the Performance Certificate for the main Contract Works.		
2.4.6	The daily rate / limit of Liquidated damages / penalties will be 0.1% per day maximum of 10 % of the Subcontract Value.		
2.5.2	FIDIC Conditions of Contract for Building & Engineering Works designed by the Employer, first edition 1999 (Red Book) as amended by Particular Conditions		
	<b>General:</b>		
1	The SC will provide HS staff, including 1st Aider, in accordance with statutory requirements		
2	KCE advised that storage space on site is restricted and so all materials are to be delivered on a 'just in time' basis. Materials are to be delivered in sequence and are to be lifted & fixed directly into place upon delivery.		
3	KCE will provide craneage in accordance with its site logistics plan or other such arrangement to off-load & move materials. The SC's representative is to attend daily crane co-ordination meetings with KCE to agree crane usage / timings for the following days. Notwithstanding that KCE may provide the craneage in accordance with the K05 and SC is responsible for submission of lifting plans, Risk Assessments Method Statements for KCE's approval.		
4	The SC retains responsibility for providing lifting equipment, suitably trained & qualified riggers / banksman and supervision at all times during the SC Works		
5	The SC confirmed it has allowed for all costs associated with reduced working hours and / or changes in shift patterns during the Holy Month of Ramadan, 'summertime working' restrictions, night shifts & public holidays etc		
6	There will only be one site induction per day, should the SC require additional inductions additional costs will be incurred and charged to the SC		



**APPENDIX 1**  
**SCHEDULE OF RELEVANT CORRESPONDENCE**

**KHANSAHEB CIVIL ENGINEERING LLC**  
**SUBCONTRACTOR'S POST TENDER REVIEW MEETING**

APPENDIX 1

**SCHEDULE OF RELEVANT CORRESPONDENCE**

Inventure Metal Products Ind. (L.L.C.)

No.	Subject	Reference	Date
1	Dorchester - GLASS BULUSTRADE,GLASS DOOR/ LOUVERS	KCE(Anil) email 16:04 PM ( Enquiry )	03.06.22
2	Dorchester - GLASS BULUSTRADE,GLASS DOOR/ LOUVERS	KCE(Anil) email 14:35 PM ( Fire rating - Doors & Windows )	17.06.22
3	Dorchester - GLASS BULUSTRADE,GLASS DOOR/ LOUVERS	Inventure(Bilal) email 09:50 AM ( Quotation )	20.06.23
4	Dorchester - GLASS BULUSTRADE,GLASS DOOR/ LOUVERS	Inventure(Anoop) email 12:58 PM ( Quotation based on Materials @ site and shop drawings )	22.06.24
5	Dorchester - GLASS BULUSTRADE,GLASS DOOR/ LOUVERS	Inventure(Anoop) email 13:08 PM ( Approved shop drawings which quotation based on )	22.06.25
6	201A22002/K100/SK/qa/0070	Post Tender Minutes of Meeting	24.06.22



**APPENDIX 2**  
**TENDER CLARIFICATION SCHEDULE**

Ref	Clarification / Qualification	Response	Final Agreement dated
	<u>Description</u>		
	Glass Balustrade Stair Handrail: 10mm +1.52mm + 10mm Laminated Low Iron Clear HS with SS Top U channel. Stair Handrail: 10mm +1.52mm + 10mm Laminated Low Iron Clear HS with SS Top U channel+ 50mm dia SS Handrail. Aluminium Doors ; : 120 Mins Fire Rated Glazed Door with 14mm+10ASP+6mm Glass ; 1.5mm thick Steel Frame Windows ; EI 120 Fire Rated Fixed Glazed Window; 52mm thick Contraflam Glass Windows ;EW 60 Fire Rated Fixed Glazed Window; 14mm thick Contraflam Glass Windows ; EI 60 Fire Rated Fixed Glazed Window; 27mm thick Contraflam Glass Louvers ; Non Fire Rated Normal DEWA complied Aluminium Louvers.	The Subcontractor should comply with approved Shop drawings and material approval.	Agreed & closed
	<u>Note</u>		
1	Site office, Water and Electricity will be provided by main contractor.	As per K05	Agreed & closed
2	Safe working scaffolding, access working platforms, monorails and cradles, Lifting equipment will be provided by main contractor.	As per K05	Agreed & closed
3	Our Offer based on Re-measurable Contract.	Noted and agreed	Agreed & closed
4	Any pass required shall be arranged by the Main Contractor.	Noted and agreed	Agreed & closed
5	Replacement of damaged materials by Main Contractor.	Applicable for the material provided free of cost. If these materials are damaged at the time of handover to the SC, then the SC should make good / supply replacement materials and claim as a variation to the Subcontract	Agreed & closed
6	No warranty is considered for all installed items (Material Supplied by Main Contractor/Employer)	Noted. However, the SC is to provide a material and workmanship Warranty for all elements supplied & installed by the SC and a workmanship warranty for those elements where the SC is installing only existing material supplied by others.	Agreed & closed
7	Items which are not priced in the BOQ are Excluded.	Noted	Agreed & closed
	<u>General Exclusion</u>		
	Civil /MEP /Stone Building works are not in our scope	Noted	Agreed & closed
	Any kind of brackets, protection to working area are excluded.	Brackets / Fixing etc by Subcontractor. Subcontractor should protect their works	Agreed & closed
	Third party testing, Inspection, Fire Consultant of any kind	Noted and agreed	Agreed & closed
	Our offer excludes VAT- UAE government taxes.	Noted and agreed	Agreed & closed
	<u>PAYMENT TERMS:</u>		
	<u>NEW MATERIALS:</u>		
	5% advance payment	Agreed & closed	
	60% against Material delivery.	Agreed & closed	
	35% on Installation	Agreed & closed	
	<u>MATERIALS AVAILABLE AT SITE:</u>		
	5% advance payment	Agreed & closed	
	95% against Monthly progress invoice.	Agreed & closed	
	<u>VALIDITY:</u>		
	Above price is Valid for 15 Days only from the date of this quotation	Noted and agreed	Agreed & closed
	Above price is Valid for 15 Days only from the date of this	Noted and agreed	Agreed & closed
	<u>DELIVERY TERMS:</u>		
	We will be coordinated with your site requirement. We hope, the above will meet your requirements	The subcontractor should comply project agreed program	Agreed & closed

	KCE Commercial Trade Checklist for Curtain Walling and Glazing	Form: TC-10 Rev: 0
Project Title: Dorchester Hotel & Residences, Business Bay	Contract No.: 201A22002	
Subcontractor: Inventure L.L.C.	Date: 23.06.22	
No	Item	Comments
1.	Review material delivery; Agree off-loading, storage and loading requirements. Include for the removal of all stillage's and pallets etc.	Access to the site will be given by KCE in line with agreed logistics plan(s) and delivery schedules to be produced by the SC.
2.	Agree use of cranes, hoists, or other for loading material movement etc.	Refer to K05.
3.	Agree who will carry out the frame survey prior to works commencing. Check that we have issued the Frame Specification (Steel or Concrete) so that the subcontractor is aware of the tolerances to be allowed for within their bracketry design.	SC confirmed to carry out the survey prior to commencing.
4.	Check that any abutments to existing buildings have been allowed	SC agreed to have included.
5.	Check specification to see if off-site inspection of materials is required.	The SC agreed to comply with Project specifications / requirements and to arrange off site inspection as required.
6.	Agree the sequence of work at all interfaces with other trades and check that all associated works have been included by the subcontractor (e.g. flashings, waterproofing sealant etc.).	SC confirmed to coordinate on site with KCE and other adjoining trades / Subcontractors. The SC confirmed it has allowed for all necessary works to complete the Subcontract Works as set out in the tender documents & as per the site
7.	Clarify and agree the requirement and responsibility for providing sub frames and/or secondary steel (ensure that the subcontractor has allowed for this).	All secondary steel works pertaining to the Subcontract Works are by the SC.
8.	Agree whether any protection is required after installation.	SC agreed to protect the completed work until approved by the consultant and handed over to KCE.
9.	Agree that subcontractor removes protective tape upon completion and inspections, including any possible re-taping	SC agreed to have included.
10.	Check the specification for any requirement to provide touch up paints or sprays to the client.	Agreed by SC to comply with the project specifications
11.	Agree responsibility for cleaning on completion of subcontract works and at Practical Completion.	SC agreed to have included.
12.	Confirm who provides all EDMP's, DPC's and other head, sill, jamb details.	SC agreed to have included.
13.	Confirm that the subcontractor has allowed for return visits to areas of Cladding that have been left out where scaffold has been	SC agreed to have included.
14.	Check the specification to see if any pull-out tests are required (and that they have not been excluded).	Agreed by SC to comply with the specifications
15.	Check that the project fire strategy requirements have been allowed for.	Agreed by SC to comply with the project fire strategy requirements
16.	Check that SC has complied with specification in respect of testing including third party testing (off and on-site) or that they are back to back with the specification.	Agreed by SC to comply with the specifications, but third party testing is excluded.
17.	Check that the frame drawings and specification have been given to SC prior to finalising price	All the drawings & specification issued to SC related to the Works
18.	Commit subcontractor to arranging pre-start technical workshops, toolbox talks, construction phase and completion inspections by the System Manufacturer where required.	Agreed by the SC to arrange, if required.
19.	Ensure the SC has satisfied himself that he has priced the drawings and specification and made any necessary quantity	All the drawings & specification issued to SC
20.	Review and understand relationship of curtain walling tolerances v frame tolerances and that SC has priced on basis of the predicted structural tolerances.	Not Applicable
21.	Check that proposed systems and glass meet project specification requirements.	SC confirmed that the proposed systems & glass meet the specification requirements.
22.	Check warranties are included in accordance with contract specification requirement.	SC agreed to comply with the drawings, specifications.
23.	Ensure that products are delivered to site with adequate	SC agreed to deliver the materials with adequate protection.
24.	Ensure responsibility for design of supporting brackets is clear and that proposed Subcontractor has the resources to produce design details and calculations if required.	SC agreed to comply with the drawings, specifications .
25.	Ensure the subcontractor has checked the adequacy of the building frame and included for secondary steel work support, where ever required.	SC agreed to comply with the drawings, specifications.
26.	Check the system is thermally broken if specified.	Not Applicable
27.	Ensure adequate provision for expansion is incorporated into the design.	SC agreed to comply with the drawings, specifications.

	KCE Commercial Trade Checklist for Curtain Walling and Glazing	Form: TC-10 Rev: 0
Project Title:	Dorchester Hotel & Residences, Business Bay	Contract No.: 201A22002
Subcontractor:	Inventure L.L.C.	Date: 23.06.22
No	Item	Comments
28.	Ensure that Ironmongery is included for all doors and windows as per contract drawings and specifications.	SC agreed to comply with the drawings, specifications.
29.	Check that water test for leakages allowed by Subcontractor in his offer.	Not Applicable
30.	Check head, sill and jamb flashings included - are they required?	SC agreed to have included as applicable.
31.	Include mastic pointing, movement joints and provision of full size mock up in Subcontractors scope wherever required.	SC agreed to comply with the drawings, specifications.
32.	MEP requirements like back panel sheet for louvers, acoustic requirement for aluminium doors, seals and openings for services through Curtain Walls/ Cladding, if required, shall be carried out by Subcontractor.	Not Applicable
33.	Subcontractor must submit relevant approvals for smoke emission, environmental, fire seal etc for their aluminium cladding materials and insulations.	Not Applicable
34.	Allow for protection of edges and joints after installation.	SC agreed to protect the completed work until approved by the consultant and handed over to KCE.
35.	Include co-ordination drawings with other agencies into Subcontractor's scope, if required.	SC confirmed to co-ordinate interfaces with other SC's & KCE.
36.	Necessary supports or openings for other agencies must be included in Subcontractor's scope.	SC confirmed to coordinate at site and comply with the requirements.
37.	Check PI for and design work is included	SC confirmed it will check designs undertaken by others, but has excluded PI Insurance.
38.	Check if LEED compliance is considered	LEED is not applicable on the project. SC confirmed to comply with authority requirements.
39.	Subcontractor must submit As-Built Drawings, O&M Manuals and all required Guarantees & Warranties by a date agreed during the post tender review meeting.	SC agreed to submit as per the consultant requirement and comply with the programme requirements.
40.	Ensure subcontractor is responsible for and confirms that the cladding system complies with Civil Defence and Municipality	Not Applicable
41.	Check that any necessary blanking panels have been included by the Subcontractor.	If required, then these form part of the SC scope.



### APPENDIX 3

#### K05 SUMMARY OF ATTENDANCES & FACILITIES

### APPENDIX - 3: SUMMARY OF ATTENDANCES & FACILITIES

K05

This schedule outlines the attendances and facilities which are to be provided by KCE and those that are to be provided by the Subcontractor. Those facilities provided by KCE shall be used in common with other Subcontractors. All facilities provided by the Subcontractor are to meet the minimum requirements described in KCE's procedures and K Standards. Failure to meet these requirements may result in KCE taking remedial action with all associated charges being levied against the Subcontractor's account.

Ref	Description	KCE	Sub-Contractor
1	<b>Site Facilities</b>		
1.1	Area for Subcontractor's offices	✓	<input type="checkbox"/>
1.2	Area for Subcontractor's storage	✓	<input type="checkbox"/>
1.3	Offices for Subcontractor's staff <i>DESIL SITES ONLY.</i>	✓	<input type="checkbox"/>
1.4	Buildings / containers for Subcontractor's storage	<input type="checkbox"/>	✓
1.5	Specific security of Subcontractor's facilities and material (general security by KCE as 1.8)	<input type="checkbox"/>	✓
1.6	Toilet and washing facilities	✓	<input type="checkbox"/>
1.7	Canteen facilities (if applicable)	n/a	n/a
1.8	General security / hoarding to perimeter of site / laydown areas	✓	<input type="checkbox"/>
1.9	Provision of first aider(s) & all equipment	<input type="checkbox"/>	✓
1.10	Provision of telephone and internet connection	<input type="checkbox"/>	✓
1.11	Telephone and internet monthly charges	<input type="checkbox"/>	✓
1.12	Computers, printers & other electrical office equipment	<input type="checkbox"/>	✓
1.13	Provision of office furniture	<input type="checkbox"/>	✓
1.14	Provision of office stationary	<input type="checkbox"/>	✓
1.15	Provision of office consumables (milk, tea, coffee etc.)	<input type="checkbox"/>	✓
2	<b>Temporary Services</b>		
2.1	Provision of temporary power & water to office & storage buildings	✓	<input type="checkbox"/>
2.2	Provision of a temporary power connection for the works 50m from the workface (110v)	✓	<input type="checkbox"/>
2.3	Safe distribution of power from the above connection (item 2.2)	<input type="checkbox"/>	✓
2.4	Provision of a water connection point 50m from the workface	✓	<input type="checkbox"/>
2.5	Distribution of water to the workface 50m from the above connection point (item 2.4)	<input type="checkbox"/>	✓
2.6	Task lighting	<input type="checkbox"/>	✓
2.7	Safety lighting (in order to provide safe access and egress)	✓	<input type="checkbox"/>
3	<b>The Works</b>		
3.1	Setting out - main grid lines & datum points (at SC cost as main Contract matrix)	✓	<input type="checkbox"/>
3.2	Setting out of the Subcontract works	<input type="checkbox"/>	✓
3.3	Competent Supervision of the Subcontract works and labour	<input type="checkbox"/>	✓
3.4	Protection of the Subcontract works & removal of protection on completion	<input type="checkbox"/>	✓
3.5	Disposal of waste to site refuse area	<input type="checkbox"/>	✓
3.6	Segregation of waste in to the designated waste skip; hazardous waste only empty containers	<input type="checkbox"/>	✓
3.7	Disposal of waste off site to an approved location	✓	<input type="checkbox"/>
3.8	Disposal of hazardous waste off site to an approved location (if Applicable)	✓	<input type="checkbox"/>
3.9	Provision of personal protective equipment ( <i>KCE Gloves &amp; Eye protect Policy</i> )	<input type="checkbox"/>	✓
3.10	Provision of samples & mock ups	<input type="checkbox"/>	✓
3.11	Testing / commissioning (where applicable to SC Works)	<input type="checkbox"/>	✓
3.12	Cleanings and housekeeping Labour- Dedicated team for daily regular progressive clean-up	<input type="checkbox"/>	✓
3.13	Final clean of Subcontract Works	<input type="checkbox"/>	✓
3.14	Temporary works (if applicable)	<input type="checkbox"/>	✓

Ref	Description	KCE	Sub-Contractor
4	<b>Cranage &amp; Hoisting</b>		
4.1	Shared use of KCE tower cranes (if available on site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2	Mobile cranes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.3	Shared use of hoists and / or service lifts (If available on site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.4	Offloading Subcontractor's deliveries (within the areas identified in KCE's logistic / crane plan & within maximum crane lifting limits)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.5	Offloading Subcontractor's deliveries (Outside of areas shown in KCE logistic / crane plan)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.6	Loading out Subcontractor materials to the place of installation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.6a	Horizontal distribution of material , plant & equipment's	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.7	Specialist lifting accessories i.e Spreader beams, frames etc	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	<b>Access &amp; Equipment</b>		
5.1	Provision of small tools & hand held power tools (110 volt only)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.2	Small mechanical plant & equipment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.3	Driver operated plant & equipment (if required)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.4	Operators for mechanical plant & equipment (if required)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.5	Provision of fuel, water, gas and the like to power mechanical equipment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.6	Mobile scaffold towers (where permitted by KCE SPM, see also 7.2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.7	Mechanical/electrical working platforms - scissor lifts, cherry pickers and the like	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.8	Independent access scaffold up to platform height of 3 m by SC	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.9	Independent access scaffold platform height above 3 m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.10	Birdcages & specialist crash decks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.11	Handrail edge protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.12	Debris netting & protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.13	Access stairs to the works	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.14	Task specific fire extinguishers where required (e.g. for hot works)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.15	Task specific safety signage	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	<b>Personal Protective Equipment (PPE)</b>		
6.1	Provision of all KCE mandatory PPE including but not limited to, branded overalls & high visibility vests, safety footwear, heavy duty safety helmets, safety gloves, safety glasses. Note; Any operative attending site with poor quality PPE or without the mandatory PPE, will either be refused entry or issued with the correct PPE with the cost being deducted from the Subcontractor's account.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.2	All task specific PPE required to comply with the approved safe system of work documented through KCE's K-Standards or the method statement, risk assessment and Coshh assessment must be provided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	<b>Any Other Specific Facilities &amp; Attendances Identified Below</b>		
7.1	The SC shall use its best endeavours to ensure the collection & removal of recyclable waste materials generated by the Subcontractor (& its supply chain) is returned to source and not included in skips to be disposed off as waste.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.2	MEWP's to be used wherever possible, mobile scaffold towers use to be approved by KCE SPM	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.3	High visibility vests with company name, designation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.4	Safety Helmet with names/ designation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
8	<b>Confined Space Works (only to extent applicable for the SC Works)</b>		
8.1	Multi gas monitor	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.2	Rescue harness per entrant	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.3	Rescue tripods & winches	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.4	Mechanical ventilation, extraction & air movement equipment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.5	Emergency rescue escape sets (for medium & high risk works).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.6	Means of communication (e.g. Radio)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Ref	Description	KCE	Sub-Contractor
9	MEP Specific Attendances (only to extent applicable for the SC Works)		
9.1	Provision of power for testing & commissioning	<input type="checkbox"/>	<input type="checkbox"/>
9.2	Provision of water for testing & commissioning	<input type="checkbox"/>	<input type="checkbox"/>
9.3	Disposal of water for testing & commissioning	<input type="checkbox"/>	<input type="checkbox"/>
9.4	Provision of concrete plinths for MEP support	<input type="checkbox"/>	<input type="checkbox"/>
9.5	Provision of other MEP support - steelwork, service pads and the like (to extent applicable to SC Works)	<input type="checkbox"/>	<input type="checkbox"/>
9.6	Antivibration pads / floating floors and the like (to the extent applicable to the SC Works)	<input type="checkbox"/>	<input type="checkbox"/>
9.7	Provision of spares & tools	<input type="checkbox"/>	<input type="checkbox"/>
9.8	Marking of BWIC openings	<input type="checkbox"/>	<input type="checkbox"/>
9.9	Preparation of builders work drawings prior to the works being undertaken	<input type="checkbox"/>	<input type="checkbox"/>
9.10	SC to provide all necessary details and information for MC to prepare co-ordinated shop drawings	<input type="checkbox"/>	<input type="checkbox"/>
9.11	Sealant around services, sanitary ware, equipment etc.	<input type="checkbox"/>	<input type="checkbox"/>
9.12	Provision of fire extinguishers (permanent works)	<input type="checkbox"/>	<input type="checkbox"/>
9.13	Replacement of fused bulbs until handing over the works	<input type="checkbox"/>	<input type="checkbox"/>
9.14	Provision of acoustic requirements around services / service penetrations	<input type="checkbox"/>	<input type="checkbox"/>
9.15	Provision of manhole covers & frames ( Gratings / Covers etc inside pool )	<input type="checkbox"/>	<input type="checkbox"/>
9.16	Provision of temporary cap ends to drainage, vent & RW pipes during the works	<input type="checkbox"/>	<input type="checkbox"/>
9.17	Coring & drilling through walls & floors less than 200mm dia. (Where due to WM errors)	<input type="checkbox"/>	<input type="checkbox"/>
9.18	Coring & drilling through walls & floors greater than 200mm dia.	<input type="checkbox"/>	<input type="checkbox"/>
9.19	Chasing out walls & floors	<input type="checkbox"/>	<input type="checkbox"/>
9.20	Forming openings in new walls (subject to conformance with item 9.9)	<input type="checkbox"/>	<input type="checkbox"/>
9.21	Fire stopping generally	<input type="checkbox"/>	<input type="checkbox"/>
9.22	Fire stopping between MEP services & the service sleeve	<input type="checkbox"/>	<input type="checkbox"/>
9.23	Fire stopping between service sleeve and the opening	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Signed on behalf of the SC

Date



## APPENDIX 4

### BILL OF QUANTITIES

PLOT-18

BILL OF QUANTITIES - BALASTRADES AND ACESSORIES  
MAIN SUMMARY



	DESCRIPTION	PAGE	AMOUNT (DHS)
	BILL NO. 1 : BALANCE BALUSTRADE WORKS		900,250.00
	BILL NO. 2 : STAIR RAILS /WALL PROTECTION RAILS/CORNER GUARDS		172,500.00
	BILL NO. 3 - GLASS/ALUMINIUM DOORS AND WINDOWS		259,143.00
	TOTAL CARRIED TO FORM OF TENDER	DHS.	1,331,893.00

Item	Description	Qty.	Unit	Rate	Amount (Dhs.)
	<b>GLASS BALUSTRADE</b>  <u>Balance balustrade work has been categories as Type 1, 2, 3, 4 and 5 in accordance with the available material on site. Contractor should price for verify free of defects, collect, store, handling, transporting (within the site) installation such free issued material</u>  <u>Type 1- Complete supply and Installation by the Contractor</u>  <u>Supply &amp; Installation of 1200mm high Glass Balustrade comprising with bottom rail, glass panels and stainless steel top U channel fixed to the concrete slab, Glass panels to be furnished 10+1.52+10 mm Low-Iron Clear Heat Strengthened Laminated Glass with Polished Edge to be fixed with 15mm glass to glass clear gap, all as per the drawings and specifications.</u>				
A	Glass Balustrade Type EWS - 102	130.00	m	1,600.00	208,000.00
B	Ditto, Curved	20.00	m	2,600.00	52,000.00
	<u>Type 2 - Glass and Bottom rails supplied by Employer</u>  <u>Collect free issued glass panels, bottom rails and installation of the complete balustrade as stated above (under Type-1). Top channel and all other necessary fittings, fixtures and accessories shall be supply and installed by the Contractor</u>				
C	Glass Balustrade Type EWS - 102	575.00	m	300.00	172,500.00
D	Ditto, Curved	25.00	m	400.00	10,000.00
	<u>Type 3 - Glass supplied by Employer</u>  <u>Collect free issued glass panels and installation of the complete balustrade as stated above (under Type-1). Bottom rail, stainless steel top channel and all other necessary fittings, fixtures and accessories shall be supply and installed by the Contractor</u>				
E	Glass Balustrade Type EWS - 102	350.00	m	950.00	332,500.00
F	Ditto, Curved	90.00	m	1,100.00	99,000.00
	<u>Type 4 -Top Channel Supply Installation</u>  <u>Supply and installation of stainless steel top U channels to installed glass balustrades including welded joints</u>				
G	Balastrade top channel - Straight	110.00	m	150.00	16,500.00
H	Ditto, Curved	15.00	m	200.00	3,000.00
	<u>Type 5 -Top Channel Installation only</u>  <u>Collect free issued top channel and installation (including welded joints) to installed glass balustrades</u>				
J	Top U channel - Straight	90.00	m	75.00	6,750.00
	To Collection Dhs.				900,250.00

Item	Description	Qty.	Unit	Rate	Amount (Dhs.)
	<b><u>STAIR RAILS</u></b>				
	Supply & Installation of 1200mm high Glass Balustrade comprising with bottom rail, glass panels and stainless steel top U channel fixed to the concrete slab, glass panels to be furnished 10+1.52+10 mm Low-Iron Clear Heat Strengthened Laminated Glass with Polished Edge and to be fixed with 15mm glass to glass clear gap, all as per the drawing A-4123 and A-4124 specifications.				
	<b><u>Plaza Stair Handrail</u></b>				
A	Glass Balustrade Type EWS - 102 & Handrail	45.00	m	1,750.00	78,750.00
B	Ditto, Curved	10.00	m	2,750.00	27,500.00
	<b><u>Retail Stair Handrail</u></b>				
C	Glass Balustrade Type EWS - 102 & Handrail	30.00	m	1,750.00	52,500.00
D	Ditto, Curved	5.00	m	2,750.00	13,750.00
	<b><u>WALL PROTECTION RAILS</u></b>				
	Protection guard/rails fixed to walls in kitchen and housekeeping area complete with necessary fittings fixing accessories in accordance with the drawings and the specifications				
E	Supply and fixed of WP1:- 1.5mm thick stainless steel 304 grade brush finish r Size:-150mm high x 20mm depth, .2mm thick Bracket, as per the Typical detail drawing,1614.TYP.100 detail 'C'.	410.00	m	-	Excluded
	<b><u>CORNER GUARDS</u></b>				
F	Supply and fixed of Corner Guard:- 1.5mm thick stainless steel 304 grade brush finish angle with necessary male female brackets. Stainless Steel Screws and Epoxy Grout Size:- 50 x 50x 1800mm high	35.00	Nr	-	Excluded
	To Collection Dhs.				172,500.00

Item	Description	Qty.	Unit	Rate	Amount (Dhs.)
	<b><u>GLASS/ ALUMINUM DOORS</u></b>				
	Aluminum/Glass doors complete with frames, sub frames, transoms, stops, ironmongerries, insulation, protective and decorative coatings all in accordance with the drawings and specifications				
A	Type D-24, Size 1900mm x 2500mm, insulated, one hour fire rated with vision panel, (LB243 and LB244)	2.00	Nr	42,750.00	85,500.00
B	Type D-24, Size 1900mm x 2500mm, insulated, one hour fire rated with vision panel, (LB1129 and LB1130)	2.00	Nr	42,750.00	85,500.00
	<b><u>GLASS/ALUMINUM WINDOWS</u></b>				
	Aluminum/Glass windows complete with frames, sub frames, transoms, stops, ironmongerries, insulation, protective and decorative coatings all in accordance with the drawings and specifications				
	Basement level 01				
C	Type-01 Size: 1200 x 1500mm,	1.00	Nr	-	Excuded
D	Type-01 Size: 1500 x 1500mm,	4.00	Nr	-	Excuded
E	Type-02 Size: 3250 x 1500mm,	1.00	Nr	-	Excuded
F	Type-03 Size: 1250 x 1500mm,	2.00	Nr	-	Excuded
G	Type-03 Size: 2150 x 1500mm,	1.00	Nr	-	Excuded
H	Type-04 Size: 1500 x 1200mm,	1.00	Nr	-	Excuded
J	Type-04 Size: 2100 x 1200mm,	1.00	Nr	-	Excuded
	<b><u>LOUVERS</u></b>				
	Louvre complete with frames, sub frames, transoms, stops, ironmongerries, insulation, protective and decorative coatings all in accordance with the drawings and specifications				
K	LW-6 Size: 6500 x 4200mm,	1.00	Nr	30,030.00	30,030.00
L	LW-7 Size: 1150 x 4200mm,	1.00	Nr	5,313.00	5,313.00
M	LW-8 Size: 6000 x 2000mm,	1.00	Nr	13,200.00	13,200.00
N	LW-9 Size: 6000 x 4000mm,	1.00	Nr	26,400.00	26,400.00
P	LW-10 Size: 3000 x 4000mm,	1.00	Nr	13,200.00	13,200.00
	To Collection Dhs.				259,143.00