

**Detailed Design, Construction, Testing & Commissioning of India International Convention & Expo Centre at Sector 25, Dwarka, New Delhi on EPC Basis**

**CORRIGENDUM - 1**

S.No.	Clause No. / Reference	Original Clause	Revised Clause (Deletion are indicated with a <del>strikethrough</del> and addition are highlighted by an <u>underline</u> )
<b>Part 1 : Request for Qualification cum Proposal</b>			
1	Clause 2.2.2 (A) (ii) Page No. 22	(ii) Provided that similar projects on Turnkey / Design & Build / EPC building which includes all types of Civil works , Structural works, piling, raft foundation, structural steel work, tunneling work and MEP works Viz. plumbing, firefighting, electrical, elevators, diesel generators, chillers, water treatment plant, sewage treatment plant , solid waste management, security system, fire alarm and Trunk Infrastructure works like site grading, internal roads, water supply, sewerage system, storm water drains, rain water harvesting ,water reservoir ,water pump house, utility building, Information & communication technology, Compound wall required for the project as per the respective requirement and Scope of the Similar Project/works as defined below  “Similar Works” shall mean - Exhibition and Convention Centres, International Airports, Large Commercial Buildings, 5 / 4 star Hotels, Large Institutional buildings, Large Industrial Infrastructure Projects” with any reputed organization/department including external & internal services in last 5(five) years.	(ii) Provided that similar projects on Turnkey / Design & Build / EPC building which includes all types of Civil works , Structural works, piling, raft foundation, structural steel work, tunneling work and MEP works Viz. plumbing, firefighting, electrical, elevators, diesel generators, chillers, water treatment plant, sewage treatment plant , solid waste management, security system, fire alarm and Trunk Infrastructure works like site grading, internal roads, water supply, sewerage system, storm water drains, rain water harvesting ,water reservoir ,water pump house, utility building, Information & communication technology, Compound wall required for the project as per the respective requirement and Scope of the Similar Project/works as defined below  “Similar Works” shall mean - Exhibition and Convention Centres, International Airports, Large Commercial Buildings, 5 / 4 star Hotels, Large Institutional buildings, Large Industrial Infrastructure Projects” with any reputed organization/department including external & internal services in last <del>5(five)</del> <u>7 (seven )</u> years.
<b>Part 2 : Volume 1.2 - EPC Schedules</b>			
<b>Schedule - B ANNEXURE 1 Broad Scope of Work Including Project Brief &amp; Project Facilities</b>			
1	Clause 1.4 Page No. 5 and 6	<b>Components of Phase 1</b>	
2	Clause 1.5.1 Page No. 8	II. Exhibition Halls 1 and 2 with a total built up area of 82,813 sqm <b>Auditorium Main Hall</b>	<b>II. Exhibition Halls 1 and 2 with a total built up area of 85,581 Sq.m</b>
		The principal component of the Events area is the seater Auditorium Main Hall. By virtue of its capacity, this Hall will be the largest one in Asia when built. The Auditorium is to be used as a hired venue for Plenary Session, over flow to Plenary Hall, Break Out Sessions, State Dinners/ Catered Functions, Conferences, Training, Trade Presentation, Corporate Presentation, Cultural Presentations excluding Play, Live Musical Performances excluding Heavy Metal and Rock, classical concerts, Event Shows, Weddings, Fashion Shows etc. The Hall needs Green Rooms and other Back of the House Facilities/spaces and storage as required, at the Rear for supporting all the events as per above.	The principal component of the Events area is the <b>6040</b> seater Auditorium Main Hall. By virtue of its capacity, this Hall will be the largest one in Asia when built. The Auditorium is to be used as a hired venue for Plenary Session, over flow to Plenary Hall, Break Out Sessions, State Dinners/ Catered Functions, Conferences, Training, Trade Presentation, Corporate Presentation, Cultural Presentations excluding Play, Live Musical Performances excluding Heavy Metal and Rock, classical concerts, Event Shows, Weddings, Fashion Shows etc. The Hall needs Green Rooms and other Back of the House Facilities/spaces and storage as required, at the Rear for supporting all the events as per above.
		The Auditorium should have a flexible design such that it can seat upto 6000 people in one volume over several levels with the stage at one end, or, be divisible into two halls of 4000 and 2000 capacity each by means of a vertical retractable/foldable acoustic partition, in which case the stage will be in the centre. The two configurations are demonstrated in the Design Intent Report enclosed as part of Tender Document.	The Auditorium should have a flexible design such that it can seat upto <b>6040</b> people in one volume over several levels with the stage at one end, or, be divisible into two halls of 4000 and 2000 capacity each by means of a vertical retractable/foldable acoustic partition, in which case the stage will be in the centre. The two configurations are demonstrated in the Design Intent Report enclosed as part of Tender Document.

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3	Clause 1.5.1 Page No. 8	The seating comprises of three types of systems – fixed, retractable and removable as illustrated in the Design Intent Report enclosed as part of Tender Document. Out of the 6000 seats, the front row seats (approx. 2178) are proposed to be of retractable and rotating seating technology. In addition, a further 1080 seats would be detachable/removable in addition to being of retractable and rotating technology. The seats should be rotatable – upto 180 degree in vertical rotation and upto 360 degree in horizontal rotation) to create the possibility of different configurations as illustrated in the Report.	The seating comprises of three types of systems – fixed, retractable and removable as illustrated in the Design Intent Report enclosed as part of Tender Document. <u>Out of the 6000 6040 seats, the front row seats (approx. 2178 2122) are proposed to be of retractable and 264 seats would be of retractable &amp; rotating seating technology.</u> In addition, a further <del>1080</del> <u>1254</u> seats would be detachable/removable <u>in addition to being of retractable and rotating technology.</u> The seats should be rotatable – upto 180 degree in vertical rotation and upto 360 degree in horizontal rotation) to create the possibility of different configurations as illustrated in the Report.
4	Clause No. 1.6.1 Page No.14 Para 1	The Exhibition Hall contains the exhibition space, which can be sub-divided into independent exhibition areas of 6000 and 8000 sq.m (approximately). A part of Exhibition Hall 1 is programmed to be a multi-purpose hall supporting an automated retractable seating that can seat approximately 5040 people in one volume. It should have a flexible design in order to create many different public assembly configurations within the single facility mechanism each customized to meet changing requirements of event and audience. These could also include different stage configurations. Together with these possible layouts, fire evacuation routes include elevated bridge like elements that connect aisles of the grades and concrete cores.	The Exhibition Hall contains the exhibition space, which can be sub-divided into independent exhibition areas of 6000 and 8000 sq.m (approximately). A part of Exhibition Hall 1 is programmed to be a multi-purpose hall supporting an automated retractable seating that can seat <u>4200</u> people in one volume. It should have a flexible design in order to create many different public assembly configurations within the single facility mechanism each customized to meet changing requirements of event and audience. These could also include different stage configurations. Together with these possible layouts, fire evacuation routes include elevated bridge like elements that connect aisles of the grades and concrete cores.
5	Clause No. 1.6.5 Page No.15 under Grand Foyer	Restaurant & leisure areas: at 16 m level between Exhibition Hall 1 & 2.	Restaurant & leisure areas: <u>at +6 m level between Exhibition Hall 1 &amp; 2 at + 9.60 m level both in Exhibition Hall 1 &amp; 2.</u>
6	Clause No. 1.6.5 Page No.16 under Office & Meeting Rooms	The exhibition centre is equipped with office spaces for a seamless functioning of exhibition Operator management and administration. These have been adequately provided through the centre and are distributed amongst various levels. For the purpose of Phase1, the offices on +16.00 level Between Exhibition Hall 1 and Hall 2 will be adhered to.	The exhibition centre is equipped with office spaces for a seamless functioning of exhibition Operator management and administration. These have been adequately provided through the centre and are distributed amongst various levels. For the purpose of Phase1, the offices on +16.00 level Between Exhibition Hall 1 and Hall 2 will be adhered to.
		The layout must be maintained / adhered to except, if, in a situation, it is found that due to lack of any unforeseen services coordination at the tender design stage, it is necessary to rearrange the.	The layout must be maintained / adhered to except, if, in a situation, it is found that due to lack of any unforeseen services coordination at the tender design stage, it is necessary to rearrange <del>the</del> <u>with prior approval of the Employer.</u>
7	Clause No. 1.10 F.5 Page No.21	Parking under Foyer1&2 :- 2X1000 kVA dry type transformers	Parking underFoyer1&2 :- <del>2X1000 kVA</del> <u>2X2500 kVA</u> dry type transformers
8	Clause No. 1.10 F.6 Page No.21	Parking under Convention Centre :- 2X1000 kVA dry type transformers	Parking under Convention Centre :- <del>2X1000</del> <u>2X1250 kVA</u> dry type transformers
9	Clause No. 1.10 F.9 Page No.21	Substation for diesel generator building :- 3 X 400 kVA dry type transformers	Substation for diesel generator building :- <del>3X-400</del> <u>2X 630kVA</u> dry type transformers
10	Clause No. 1.10.1 Lifts, escalators, travellers and ramp systems Page No.24	The EPC contractor shall be required to submit traffic analysis for verification based on the parameters specified/as required.	The EPC contractor shall be required to submit traffic analysis for verification based on the parameters specified and <u>as per NBC 2016. Travel of lift shall be as per finished level worked by EPC contractor. All Escalators and Travellers to be 1.2m wide. All lifts are indoor lifts. Add one VIP lift to service all floors of the convention centre.</u>

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11	Clause No. 1.11.3 i-Audio Visuals Page No.30	<ul style="list-style-type: none"> <li>o LED Screen size 20mX 4.5m for the main stage of the convention centre.</li> <li>o Digital Sound Reinforcement, BGM &amp; PA, Language Interpretation:</li> <li>o Auditorium A, Auditorium B and Combination of Both Auditoriums in combined mode</li> <li>o Digital Podium for Presentation &amp; Speech</li> <li>o Stage Lighting Systems &amp; Dimming Controls</li> </ul>	<ul style="list-style-type: none"> <li>o LED Screen size 20mX 4.5m for the main stage of the convention centre.</li> <li><u>o LED Screen 3 nos 150 inch diagonal</u></li> <li><u>o LED Screen 30 nos 98 inch diagonal</u></li> <li>o Digital Sound Reinforcement, BGM &amp; PA, Language Interpretation:</li> <li>o Auditorium A, Auditorium B and Combination of Both Auditoriums in combined mode</li> <li>o Digital Podium for Presentation &amp; Speech</li> <li>o Stage Lighting Systems &amp; Dimming Controls</li> </ul>																
12	Clause 1.12.1 f on Page No.32	---	<u>Added - f. Storage capacity of overhead fire tank increased by 10 kl, total capacity 40 KL on Exhibition Hall 1 &amp; 2 to supply fresh water for drip irrigation.</u>																
13	Clause 1.12.4 c on Page No.32	---	<u>Added - a. Drip Irrigation including moisture sensors and pumps on the terrace of Exhibition Halls 1 and 2 for green areas excluding solar panel areas.</u>																
14	Clause 1.12.7 j on Page No.33		<u>Added - i. Internal size of vertical plumbing shafts will be 900mm wide irrespective of shaft width marked on the drawings.</u>																
15	Clause-1.19 -Area Statement for Phase 1 construction to be undertaken as part of Scope of work on Page No.36	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>1. Convention Centre</td> <td style="text-align: right;">73,195</td> </tr> <tr> <td>2. Exhibition Hall-1 with Grand Foyer component</td> <td style="text-align: right;">59,301</td> </tr> <tr> <td>3. Exhibition Hall- 2 with Grand Foyer component</td> <td style="text-align: right;">45,729</td> </tr> <tr> <td><b>Total</b></td> <td style="text-align: right;"><b>178,094</b></td> </tr> </table>	1. Convention Centre	73,195	2. Exhibition Hall-1 with Grand Foyer component	59,301	3. Exhibition Hall- 2 with Grand Foyer component	45,729	<b>Total</b>	<b>178,094</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>1. Convention Centre</td> <td style="text-align: right;">73,195</td> </tr> <tr> <td>2. Exhibition Hall-1 with Grand Foyer component</td> <td style="text-align: right;"><u>60,978</u></td> </tr> <tr> <td>3. Exhibition Hall- 2 with Grand Foyer component</td> <td style="text-align: right;"><u>46,820</u></td> </tr> <tr> <td><b>Total</b></td> <td style="text-align: right;"><b><u>180,993</u></b></td> </tr> </table> <p><u>Added:</u> <u>Note:</u> <u>1. Areas and BUA wherever mentioned or referred to in the tender documents are indicative only. The above mentioned areas essentially include areas within the building envelop – upto the external walls of the buildings and exclude the areas of projections. The bidder has to refer to relevant Architectural Plans, Elevations &amp; Sectional details for ascertaining the Constructable areas, for his bidding purposes.</u>  <u>2. All the Structural, Electrical and LV, Fire-Fighting, HVAC &amp; Plumbing drawings provided are indicative and for reference only. The EPC bidder is required to provide Detailed Engineering for all services and base his Bid Price on his own assessment. However, all Engineering details are required to be submitted by the selected EPC contractor in accordance with the requirements and conditions as provided in the tender documents (including but not limited to Scope of Work, DBR, Technical Specification and Design Intent) which will have to be got approved from the Client prior to the execution of work. Any change desired by client to achieve tender stipulations shall be binding on contractor without additional cost to client.</u></p>	1. Convention Centre	73,195	2. Exhibition Hall-1 with Grand Foyer component	<u>60,978</u>	3. Exhibition Hall- 2 with Grand Foyer component	<u>46,820</u>	<b>Total</b>	<b><u>180,993</u></b>
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<b>Part 2 : Volume 1.2 - EPC Schedules</b>			
<b>Schedule - D_ Annexure 1 - Design Basis Report</b>			
<b>3.0 TRANSPORTATION</b>			
1	Clause 3.0 Page No. 14	1. Geometric Design Standards for Urban Roads IRC 86-1983, 2. Provision of Speed Breakers for Control of Vehicular Speeds IRC: 99-1988, 3. Code of Practice for Water Bound Macadam IRC 19-1997, 4. Base Coats of Bituminous Primer IRC 16-1965, 5. Single Coat Bituminous Surface Dressing IRC 17-1965, 6. Design of Flexible Pavements IRC 37-2001, 7. IRC 067 – Code of Practice for Road Signs a. Road signalling design and requirements 8. Code of Practice for Road Markings IRC 35:1997 9. National Building Code of India a. Parking requirements 10. IRC SP 41-1994 – Turning radius for heavy vehicles.	1. Geometric Design Standards for Urban Roads <u>in Plains</u> IRC 86-1983, 2. Provision of Speed Breakers for Control of Vehicular Speeds IRC: 99-1988 3. Code of Practice for Water Bound Macadam IRC 19- <del>1997</del> <u>2005</u> , 4. Base Coats of Bituminous Primer IRC 16- <del>1965</del> <u>2008</u> , 5. Single Coat Bituminous Surface Dressing IRC 17-1965, 6. Design of Flexible Pavements IRC 37- <del>2001</del> <u>2012</u> , 7. IRC 067- <u>2012</u> – Code of Practice for Road Signs, a. Road signalling design and requirements, 8. Code of Practice for Road Markings IRC 35: <del>1997</del> <u>2015</u> , 9. National Building Code of India & <u>IRC SP 12-2015</u> , a. Parking requirements, 10. IRC SP 41- <del>1994</del> – Turning radius for heavy vehicles, <u>a. Trailer category with wheel base of 18m</u> <u>11. IRC 103-2012 – Guidelines for Pedestrian Facilities.</u>
2	Clause 3.1 on pages 14	3.1 Estimation and Distribution of Traffic Volume  Traffic distribution and vehicle flows obtained according to the Report on Traffic Impact Assessment made by AECOM. Results used to size the number of lanes entering and exiting the site.	<del>3.1 Estimation and Distribution of Traffic Volume</del>  <del>Traffic distribution and vehicle flows obtained according to the Report on Traffic Impact Assessment made by AECOM. Results used to size the number of lanes entering and exiting the site.</del>
3	Clause 3.3 Internal Circulation-1 on pages 15	1. Number and width of lanes, according to traffic flows obtained previously	<del>1. —Number and width of lanes, according to traffic flows obtained previously</del>
4	Clause 3.6 Pedestrian/Bikes Circulation on pages 15	Criteria and codes to build the footpaths, pedestrian crosses, subway pedestrian crosses and cycle paths (Master Plan for Delhi 2021 and Unified Building Byelaws for Delhi 2016 & IRC).	<u>The design for Pedestrian footpaths, pedestrian crossings, cycle-paths to be as per IRC 103 -2012 Guidelines for pedestrian Facilities.</u>
5	Clause 3.8 Design of flexible pavements (Roads) on pages 16	Design of flexible pavements (Roads)	<u>Design of flexible pavements (Roads) The design of flexible pavements for Roads shall be done as per the guidelines specified in Design of Flexible Pavements IRC 37-2012 or latest edition for a cumulative traffic of 10 MSA with design life of 20 years.</u>
<b>Part 2 : Volume 1.2 - EPC Schedules</b>			

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<b>Schedule - D_Annexure 2 – Technical Specifications : Architectural &amp; Finishing Works Specifications</b>			
1	Kota Stone Flooring, Dado, Coping & Skirting / Page No. 26	The slabs shall be machine polished, Flamed or honed as mentioned in the drawings at the factory prior to being brought to the Site. All edges shall be machine cut to have the slabs to required correct sizes and the edges shall be ground smooth and even to full depth. A straight edge laid along the side of the slab shall be in full contact with it. All angles and edges of the slabs shall be true and square and free from chipping. Bull nosing, grooves & chamfering of edges for staircases & skirting, etc., as indicated in the detailed drawings.	The slabs shall be machine polished, Flamed or honed as <u>required mentioned in the drawings</u> at the factory prior to being brought to the Site. All edges shall be machine cut to have the slabs to required correct sizes and the edges shall be ground smooth and even to full depth. A straight edge laid along the side of the slab shall be in full contact with it. All angles and edges of the slabs shall be true and square and free from chipping. Bull nosing, grooves & chamfering of edges for staircases & skirting, etc., <u>as required shall be provided as indicated in the detailed drawings.</u>
2	<b>Pre-polished counters for wash basins</b> / Page No. 27	Wherever shown on acrylic countees from approved manufacture shall be provided..	Wherever shown on <u>drawings</u> , acrylic counters from approved manufacture shall be provided..
3	<b>Material</b> / Page No. 27	Materials not supplied in accordance with approved samples shall be cause for rejection. The type, quality and thickness of marble and granite slabs for flooring, skirting and dados shall be of the best quality as described and approved by the Employers Representative or his representative and shall be hard, dense, uniform, homogenous in texture, have even crystallising grains and be free from cracks and other defects. The Contractor shall provide the Employers Representative or his representative with samples for approval and only approved slabs shall be brought on to the Site. The slabs shall be machine polished, Flamed or honed as mentioned in the relevant drawings at the factory prior to being brought to the Site. All edges shall be machine cut to have the slabs to required correct sizes and the edges shall be ground smooth and even to full depth. A straight edge laid along the side of the slab shall be in full contact with it. All angles and edges of the slabs shall be true and square and free from chipping. Bull nosing, grooves & chamfering of edges for staircases & skirting, etc., shall be as indicated in the detailed drawings.	Materials not supplied in accordance with approved samples shall be cause for rejection. The type, quality and thickness of marble and granite slabs for flooring, skirting and dados shall be of the best quality as described and approved by the Employers Representative or his representative and shall be hard, dense, uniform, homogenous in texture, have even crystallising grains and be free from cracks and other defects. The Contractor shall provide the Employers Representative or his representative with samples for approval and only approved slabs shall be brought on to the Site. The slabs shall be machine polished, Flamed or honed as mentioned in the relevant drawings at the factory prior to being brought to the Site. All edges shall be machine cut to have the slabs to required correct sizes and the edges shall be ground smooth and even to full depth. A straight edge laid along the side of the slab shall be in full contact with it. All angles and edges of the slabs shall be true and square and free from chipping. Bull nosing, grooves & chamfering of edges for staircases & skirting, etc., shall be <u>provided as required as indicated in the detailed drawings.</u>
4	Precautions / Page No. 29	Granite Slabs for Lift flooring shall have suitable Epoxy underlays & adhesives as per the detailed drawings & manufacturers specifications.	Granite Slabs for Lift flooring shall have suitable Epoxy underlays & adhesives <u>as per the detailed drawings</u> & manufacturers specifications.
5	<b>IPS Flooring - General</b> / Page No. 31	The flooring shall be of specified thickness and shall consist of 1:2:4 concrete base/ M15 concrete as specified in the Bill of Quantities and 12mm thick wearing coat.  The granolithic flooring shall be laid in alternate panels. The size of panels shall be as per the Architectural/Interior Design.	The flooring shall be of specified thickness and shall consist of 1:2:4 concrete base/ M15 concrete <u>as specified in the Bill of Quantities</u> and 12mm thick wearing coat.  <u>The granolithic flooring shall be laid in alternate panels. The size of panels shall be as per the Architectural/Interior Design.</u>
6	<b>Wooden Cladding</b> / Page No. 33	Providing and fixing panelling on wall. Framing shall consist of Aluminum Section 50 mm x 40 mm (of Wall Thickness 2 mm) @ 20" C/C. Both ways horizontally and vertically on the wall. This framing would be covered by ¼" thk. Ply & Rose wood veneer finished with . Wooden moulding, lipping etc. as directed by Architect shall be provided wherever required.	Providing and fixing panelling on wall. Framing shall consist of Aluminum Section 50 mm x 40 mm (of Wall Thickness 2 mm) @ 20" C/C. Both ways horizontally and vertically on the wall. This framing would be covered by ¼" thk. Ply & Rose wood veneer finished with <u>melamine polish</u> . Wooden moulding, lipping etc. as directed by Architect shall be provided wherever required.
7	<b>MS Railing, Grill, Canopy Steel Ladder (General)</b> / Page No. 35	These shall be made from MS sections consisting of M.S. Pipes, flats, square / round bars, channels, Tees, angles, plates, etc. as per the detailed drawings. The work includes fixing with screws or necessary anchor bolts and flats to fix the railing rigid in position. The members shall be welded together and all the welded joints shall be filed to make smooth joints. The work includes Synthetic enamel/ powder coating/ Autocoat paint to all steel members as per manufacturers specifications after phosphating and appropriate primer coat, etc. complete. of required shade. as per the Bill of Quantities & drawings. Finishing will be as specified in drawings and finishing schedule.	These shall be made from MS sections consisting of M.S. Pipes, flats, square / round bars, channels, Tees, angles, plates, etc. as per the detailed drawings. The work includes fixing with screws or necessary anchor bolts and flats to fix the railing rigid in position. The members shall be welded together and all the welded joints shall be filed to make smooth joints. The work includes Synthetic enamel/ powder coating/ Autocoat paint to all steel members as per manufacturers specifications after phosphating and appropriate primer coat, etc. complete. of required shade. <u>as per the Bill of Quantities &amp; drawings</u> . Finishing will be as specified in drawings and finishing schedule.
8	<b>SOUND ABSORBENT CYLINDERS</b> / Page No. 41	Absorption coefficient: $aw \geq 0.85$ for Multipurpose Conference Rooms and $aw \geq 0.7$ for Conference Rooms. Located in Multipurpose Conference Room (-4,65m). See drawings SD_ECC_PEAC_CC_ARC_X_XX_DW_0724_00 to SD_ECC_PEAC_CC_ARC_X_XX_DW_0730_00 "	Absorption coefficient: $aw \geq 0.85$ for Multipurpose Conference Rooms and $aw \geq 0.7$ for Conference Rooms. Located in Multipurpose Conference Room (-4,65m). <u>See drawings SD_ECC_PEAC_CC_ARC_X_XX_DW_0724_00 to SD_ECC_PEAC_CC_ARC_X_XX_DW_0730_00 "</u>

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9	MS GRILL / Page No. 48	These shall be made from MS section as per the Architects details. The item includes fixing with screws or necessary anchor bolts and flats to fix the railing rigid in position. The members shall be welded together and all the welded joints shall be filed to make smooth joints The rate includes two coats of enamel paint of required shade and primer coat of red oxide. Measurement will be as specified in the Bill of Quantities	These shall be made from MS section as per the Architects details. The item includes fixing with screws or necessary anchor bolts and flats to fix the railing rigid in position. The members shall be welded together and all the welded joints shall be filed to make smooth joints. The rate includes two coats of enamel paint of required shade and primer coat of red oxide. <b>Measurement will be as specified in the Bill of Quantities</b>
10	SECTION-17 - GLASS FIBER REINFORCED CONCRETE (GFRC) / Page No. 118	SECTION-17 - GLASS FIBER REINFORCED CONCRETE ( GFRC) Page No. 118 to 127	<del>SECTION-17 – GLASS FIBER REINFORCED CONCRETE ((GFRC) – COMPLETE SECTION 17 -</del> <del>- DELETED - - FROM PAGE NO. 118 - 127</del>
11	Composition / / Page No. 139	Two sheets of aluminum sandwiching a solid core of extruded thermoplastic material formed in a continuous process with no glues or adhesives between dissimilar materials. The core material shall be free of voids and/or air spaces and not contain foamed insulation material. Products laminated sheet by sheet in a batch process using glues or adhesives between materials shall not be acceptable.	Two sheets of aluminum sandwiching a solid core of extruded thermoplastic material formed in a continuous process with no glues or adhesives between dissimilar materials. The core material shall be free of voids and/or air spaces and not contain foamed insulation material. Products laminated sheet by sheet in a batch process using glues or adhesives between materials shall not be acceptable. <b>The ACP Panels and the assembly shall be Fire-Retardant for a minimum 1 hour Fire Rating.</b>
12	ALUMINIUM SOUND ABSORBENT PANEL (from line no. 10 / Page No. 140	The acoustic absorption could be reached considering 50mm thick of mineral wool or 100 mm air cavity between the panel and the supporting partition. Fire rating according to Euroclass is A1, incombustible. The sheet is rust-proof, washable (varnished sheets only) and 100% recyclable. This type of panels are installed in the walls of the Auditorium of the Convention Centre, following the geometrical shapes indicated in detail plan. See drawings SD_ECC_PEAC_CC_ARC_X_XX_DW_0731_00 to SD_ECC_PEAC_CC_ARC_X_XX_DW_0739_00	The acoustic absorption could be reached considering 50mm thick of mineral wool or 100 mm air cavity between the panel and the supporting partition. Fire rating according to Euroclass is A1, incombustible. The sheet is rust-proof, washable (varnished sheets only) and 100% recyclable. This type of panels are installed in the walls of the Auditorium of the Convention Centre, following the geometrical shapes indicated in detail plan. <del>See drawings- SD_ECC_PEAC_CC_ARC_X_XX_DW_0731_00 to SD_ECC_PEAC_CC_ARC_X_XX_DW_0739_00</del>
13	Image reference / Page No. 148	Image reference: Example of 3D GRC Panels For further information see plans SD_ECC_PEAK_CC_ARC_X_XX_DW_090	Image reference: Example of 3D GRC Panels <del>For further information see plans SD_ECC_PEAK_CC_ARC_X_XX_DW_090</del>
14	Third Para / Page No. 154	Providing and making control joints in vacuum dewatered non suspended slabs as shown in the drawing which consists of:	Providing and making control joints in vacuum dewatered non suspended slabs <u>or</u> as shown in the drawing which consists of :
15	Note / Page No. 154	Note: All expansion joint works to be executed through approved specialized agency. Expansion joint primer by STP or equivalent. Expansion joint board 25mm thick by using closed cell polymer based pre-moulded compressible filler board in black colour i.e. Duraboard-HD-100(formerly known as silflex) manufactured by Supreme industries ,tested as per ASTM-D-3575, having minimum density of 95kgs/cum non staining with less than 1% water absorption and compression recovery of 93% minimum complete as per manufacture specifications.  30 mm thick bond breaker having min. density of 22 kgs/cum(ASTM-3575) and compressive strength of 0.4 kgs/sqm(ASTM-5249) of white cour at 12mm depth, manufactured by supreme industries  25x15mm poly-urethene expansion joint sealant applied with masking tape. Removing masking tape including grinding  Vertical/horizontal covering of joint: Slotted Aluminium strip 3.5 mm thick 150 mm wide incl. screws all as shown on drawings	Note: All expansion joint works to be executed through approved specialized agency. Expansion joint primer <del>by STP or equivalent.</del> Expansion joint board 25mm thick by using closed cell polymer based pre-moulded compressible filler board in black colour <del>i.e: Duraboard-HD-100(formerly known as silflex) manufactured by Supreme industries</del> ,tested as per ASTM-D-3575, having minimum density of 95kgs/cum non staining with less than 1% water absorption and compression recovery of 93% minimum complete as per manufacture specifications.  30 mm thick bond breaker having min. density of 22 kgs/cum(ASTM-3575) and compressive strength of 0.4 kgs/sqm(ASTM-5249) of white cour at 12mm depth, <del>manufactured by supreme industries</del>  25x15mm poly-urethene expansion joint sealant applied with masking tape. Removing masking tape including grinding  Vertical/horizontal covering of joint: Slotted Aluminium strip 3.5 mm thick 150 mm wide incl. screws <del>all as shown on drawings</del>
16	Convention center/Exhibition hall roofs: / Page No. 154	"Supply and fixing of "SELF SUPPORTED" SECRET FIX STANDING ROOFING SYSTEM In 0.9mm. THICK AA 3004 ALUMINIUM ALLOY. The general roof construction shall comprise from	"Supply and fixing of "SELF SUPPORTED" SECRET FIX STANDING ROOFING SYSTEM <u>with profile of 65/400</u> In 0.9mm/1mm-(for green roof) THICK AA 3004 ALUMINIUM ALLOY. The general roof construction shall comprise from

S.No.	Clause No. / Reference	Original Clause	Revised Clause (Deletion are indicated with a <del>strike through</del> and addition are highlighted by an <u>underline</u> )
17	Para No. 1 / Page No. 155	bottom to top:Steel Liner – Bare Galvalume steel liners sheet, 0.7 mm tct 1000 mm total cover width x 32-35mm deep ribs spanning up to 1500mm centres multiple spans. Vapour Control Layer – A single layer of double-sided aluminium foil/ Polyethylene Film. Clips – The aluminium clips must be used,with help of SS 304 screws Insulation - A layer of Rock wool insulation of 100mm thickness minimum 120 kg/m3 density with thermal conductivity (K) =0.040W/mk at 25 degree Celsius. Fire classification with test procedures to BS 476: Parts 6 & 7.Top layer – profiled sheeting manufactured from Aluminium self-supported standing seam roof stem manufactured from aluminium alloy AA 3004 (AlMn1Mg1 ) as specified in BS EN 1396), minimum material thickness of 1.0mm and Stucco/PVDF finish on the exposed surface. (std. colour RAL 9006/9010/9007).	bottom to top:Steel Liner – Bare Galvalume steel liners sheet, 0.7 mm( <u>green roof</u> )/ <u>0.5 mm normal roof</u> /tct 1000 mm total cover width x 32-35mm deep ribs spanning up to 1500mm centres multiple spans. Vapour Control Layer – A single layer of double-sided aluminium foil/ Polyethylene Film. Clips – The aluminium clips must be used to fix aluminium sheets to the substructure. Appropriate non penetrative clips to be used,with help of SS 304 screws <u>,acoustic board-12mm th e-board to be placed/fixed over the vapour barrier over inner sheet(for normal roof)</u> Insulation - A layer of Rock wool insulation of 100mm thickness minimum 120 kg/m3 <u>for green roof and 60kgs/cum (for normal roof)</u> density with thermal conductivity (K) =0.040W/mk at 25 degree Celsius. Fire classification with test procedures to BS 476: Parts 6 & 7.Top layer – profiled sheeting manufactured from Aluminium self-supported standing seam roof stem manufactured from aluminium alloy AA 3004 (AlMn1Mg1 ) as specified in BS EN 1396 : <u>2015</u> ), minimum material thickness of 1.0mm and Stucco/PVDF finish on the exposed surface. (std. colour RAL 9006/9010/9007).
18	Steel Work / Page No. 156	Quoted Price shall Include: Structural Steel/Sheeting Works:	Quoted Price shall Include: <del>Structural Steel/Sheeting Works:</del>
19	Chequered plates / Page No. 156	Providing and fixing G.I. chain link fabric fencing (to structural steel members)of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-incharge.(Structural steel paid separately)	Providing and fixing G.I. chain link fabric fencing (to structural steel members)of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-incharge. <del>(Structural steel paid separately)</del>
20	Para No. 4 / Page No. 158	The membrane shall be installed with manufacturer's instructions over the entire area and turned up on to a vertical timber formwork/block work , as per recommendations/drawings. The fully bonded HDPE membrane shall be laid over the concrete blinding having uniform surface including necessary removal of release liner on the selvedge while applying, necessary overlaps between the membranes and fixing overlaps by Keshun Double Side Tape, firm rolling onto the surface to get a tight seal, etc. complete all as per manufacturer's recommendations, etc. complete with all lead and lift for all materials and labour and as directed by engineer in charge.	The membrane shall be installed with manufacturer's instructions over the entire area and turned up on to a vertical timber formwork/block work , as per recommendations/drawings. The fully bonded HDPE membrane shall be laid over the concrete blinding having uniform surface including necessary removal of release liner on the selvedge while applying, necessary overlaps between the membranes and fixing overlaps by <del>Keshun</del> Double Side Tape, firm rolling onto the surface to get a tight seal, etc. complete all as per manufacturer's recommendations, etc. complete with all lead and lift for all materials and labour and as directed by engineer in charge.
21	Retaining wall / Page No. 158	Rates to include Self adhesive membrane Termination on retaining wall which includes providing a chase of (20 x 20) mm at a distance of 300 mm from ground level or 150 mm from podium/roof slab level for membrane termination. The self adhesive membrane should be dressed into the chase and pointed with mortar or as approved by supplier prior to backfilling	<del>Rates to include</del> Self adhesive membrane Termination on retaining wall which includes providing a chase of (20 x 20) mm at a distance of 300 mm from ground level or 150 mm from podium/roof slab level for membrane termination. The self adhesive membrane should be dressed into the chase and pointed with mortar or as approved by supplier prior to backfilling
22	Clause No. VII Masonry (e) / Page No. 162	Partitions shall be erected with combination of single /double layers of fibre cement plaster board and gypsum boards(Fire/water resistant) having intermediate layers of insulations have been described on drawings. (SD_PEAC_CC_ARC_X_XX_DW_0610_00) mounted on steel framework	Partitions shall be erected with combination of single /double layers of fibre cement plaster board and gypsum boards(Fire/water resistant) having intermediate layers of insulations have been described on drawings. <del>(SD_PEAC_CC_ARC_X_XX_DW_0610_00)</del> mounted on steel framework
23	Para No. 2 & 3 / Page No. 164	Providing and fixing Arpitha corner bead of size 45 x 45mm made out of galvanised iron of nominal thickness 0.5mm with a zinc coating of 120 gms / m2 as protector for plaster wall & column corner from chipping & corner, at the junction of plaster end & other materials including laying in position by using suitable nails / clamps / screws etc. complete as per manufacturers specifications from M/s. Arpitha Exports, Bangalore. Rate shall include for Preparation of surface, cleaning, curing etc. complete all as directed by the architects / engineer.  Providing and fixing Arpitha stop bead of size 45 x 45mm made out of galvanised iron of nominal thickness 0.5mm with a zinc coating of 120 gms / m2 as used in between wall surfaces and abutment of doors/windows,making plaste grooves,at places where plaster ends including laying in position by using suitable nails / clamps / screws etc. complete as per manufacturers specifications from M/s. Arpitha Exports, Bangalore. Rate shall include for Preparation of surface, cleaning, curing etc. complete all as directed by the architects / engineer.	Providing and fixing <del>Arpitha</del> corner bead of size 45 x 45mm made out of galvanised iron of nominal thickness 0.5mm with a zinc coating of 120 gms / m2 as protector for plaster wall & column corner from chipping & corner, at the junction of plaster end & other materials including laying in position by using suitable nails / clamps / screws etc. complete as per manufacturers specifications <del>from M/s: Arpitha Exports, Bangalore. Rate shall include for</del> Preparation of surface, cleaning, curing etc. complete all as directed by the architects / engineer.  Providing and fixing <del>Arpitha</del> stop bead of size 45 x 45mm made out of galvanised iron of nominal thickness 0.5mm with a zinc coating of 120 gms / m2 as used in between wall surfaces and abutment of doors/windows,making plaste grooves,at places where plaster ends including laying in position by using suitable nails / clamps / screws etc. complete as per manufacturers specifications <del>from M/s: Arpitha Exports, Bangalore. Rate shall include for</del> Preparation of surface, cleaning, curing etc. complete all as directed by the architects / engineer.
24	Third last para / Page No. 168	Skyfold partition with desired accoustical and material requirements shall be provided in auditorium of convention centre. Sliding folding partitions shall be provided in 500 and 300 pax capacity meeting rooms as per specifications .	<del>Skyfold</del> <u>Vertical openable</u> partition with desired accoustical and material requirements shall be provided in auditorium of convention centre. Sliding folding partitions shall be provided in 500 and 300 pax capacity meeting rooms as per specifications .

S.No.	Clause No. / Reference	Original Clause	Revised Clause (Deletion are indicated with a <del>strikethrough</del> and addition are highlighted by an <u>underline</u> )
25	Second last para / Page No. 169	Wherever required Glazed Sliding door complete with top hung 3 point ball bearing rolling mechanism G-channel ,outer frame bottom guide rail, interlocking system, lock handles, tower bolts, weather seals, silicone sealant all of approved makes and all accessories to complete the work (weight of aluminium section not less than 8 Kg/sqm.)(Area of glazed shutters to measured for payment)	Wherever required Glazed Sliding door complete with top hung 3 point ball bearing rolling mechanism G-channel ,outer frame bottom guide rail, interlocking system, lock handles, tower bolts, weather seals, silicone sealant all of approved makes and all accessories to complete the work (weight of aluminium section not less than 8 Kg/sqm.) <del>(Area of glazed shutters to measured for payment)</del>
26	Second last para / Page No. 171	Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colour and shade of the IGUs in the vision panels etc. ,all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in- Charge. For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (Payment for fixing of Spandrel Glass Panels in the curtain glazing is included in cost of relevant Item*).	Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colour and shade of the IGUs in the vision panels etc. ,all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in- Charge. <del>For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position; shall be measured in sqm. (Payment for fixing of Spandrel Glass Panels in the curtain glazing is included in cost of relevant Item*).</del>
27	Para No. 1 / Page No. 173	doors both single & double leaf doors and Hardwares should pass European certificate "CE" of conformity / UL with required fire ratings. Any deviation in specification and sheet thickness other than what is mentioned in the test certificates are not allowed. Proper label confirming the type of door and the hourly rating is mandatory. Approved manufacturer Navair International Ltd or equivalent subject to architect's approval. And should be ISO Certified company.	doors both single & double leaf doors and Hardwares should pass European certificate "CE" of conformity / UL with required fire ratings. Any deviation in specification and sheet thickness other than what is mentioned in the test certificates are not allowed. Proper label confirming the type of door and the hourly rating is mandatory. <del>Approved manufacturer Navair International Ltd or equivalent subject to architect's approval. And should be ISO Certified company.</del>
28	GRC PANELS (EF.01) / Page No. 178	Glassfibre Reinforced Concrete or GRC PANELS: a mixture of cement, fine aggregate, water, chemical admixtures and alkali resistant glassfibres. GRC sandwich panels on a metallic sub-structure in the façades of the Convention Centre, Exhibition Hall 1, Exhibition Hall 2 and Foyer 1&2. Glass fiber reinforced concrete, is a prefabricated element used as cladding on buildings, facade or for construction elements, without forming part of the strong structure.	Glassfibre Reinforced Concrete or GRC PANELS: a mixture of cement, fine aggregate, water, chemical admixtures and alkali resistant glassfibres. GRC <u>three dimensional</u> sandwich panels on a metallic sub-structure in the façades of the Convention Centre, Exhibition Hall 1, Exhibition Hall 2 and Foyer 1&2. Glass fiber reinforced concrete, is a prefabricated element used as cladding on buildings, facade or for construction elements, without forming part of the strong structure.
29	STRIPS FAÇADE CLADDING (EF.03) / Page No. 179	STRIPS FAÇADE CLADDING (EF.03)	<u>COPPER (Finish BRONZE )</u> STRIPS FAÇADE CLADDING (EF.03)
30	MIRROR FINISH ALUMINUM COMPOSITE MATERIAL - ACM CLADDING (EF.04) / Page No. 179	Aluminum Composite Panel, highly reflective mirror finish, rhomboidal pattern according to architectural drawings. Composition: Two sheets of aluminum sandwiching a solid core of material formed in a continuous process with no glues or adhesives between dissimilar materials. The core material shall be free of voids and/or air spaces and not contain foamed insulation material. Products laminated sheet by sheet in a batch process using glues or adhesives between materials shall not be acceptable.	<del>Non-combustible</del> Aluminum Composite Panel, highly reflective mirror finish, <u>Fire Retardant with non combustible mineral core</u> , rhomboidal pattern according to architectural drawings. Composition: Two sheets of aluminum sandwiching a solid core of <u>mineral</u> material formed in a continuous process with no glues or adhesives between dissimilar materials. The core material shall be free of voids and/or air spaces and not contain foamed insulation material. Products laminated sheet by sheet in a batch process using glues or adhesives between materials shall not be acceptable. <u>The material must have certified and proven fire retardancy characteristics: - Ideally recommended mix and density of non- combustible content in the core (not less than 70%). - Appropriate certifications from a credible 3rd party authority, Not sufficient to have mere test reports from samples provided by the applicant. - Should be fixed using the recommended systems.</u>
31	Third Last para / Page No. 179	(Anodized material). Panel Weight: 6mm : 0.067 kg/m².	(Anodized material). Panel Weight: 6mm : 0.067 kg/m². <u>Tests to be performed: ASTM-E 84 = Class A; NFPA 285 = passed; BS 476, Part 6&amp;7 = Class 0.</u>
32	Second Last para / Page No. 179	EF.04.01: Aluminum Composite material - Mirror Finish. Cladding over Concrete wall	EF.04.01: <u>Non-combustible</u> Aluminum Composite material - Mirror Finish. Cladding over Concrete wall
33	Last para / Page No. 179	EF.04.02: Aluminum Composite material - Mirror Finish. Cladding over Dry Wall	EF.04.02: <u>Non-combustible</u> Aluminum Composite material - Mirror Finish. Cladding over Dry Wall
34	First para / Page No. 180	EF.04.03: Folding partition – ACM Aluminum Composite material - Mirror Finish. Cladding over Folding wall	EF.04.03: Folding partition – <u>Non-combustible</u> ACM Aluminum Composite material - Mirror Finish. Cladding over Folding wall



S.No.	Clause No. / Reference	Original Clause	Revised Clause (Deletion are indicated with a <del>strikethrough</del> and addition are highlighted by an <u>underline</u> )
35	GLASS OPENINGS ROTATING DOORS (EF.06) - (under line no. 4) / Page No. 181	Integrated door closers with slide rails, such as the ITS 96 and Geze Boxer, installed in the Jansen-Economy doors in a compact and concealed fashion. The closing force, closing speed and end stop are infinitely adjustable, and the opening restriction up to max. 120° can be damped mechanically.	Integrated door closers with slide rails, <del>such as the ITS 96 and Geze Boxer</del> , installed in the <del>Jansen-Economy</del> doors in a compact and concealed fashion. The closing force, closing speed and end stop are infinitely adjustable, and the opening restriction up to max. 120° can be damped mechanically.
36	VERTICALLY RETRACABLE ACOUSTIC PARTITIONS (PA.01) / Page No. 182	VERTICALLY RETRACABLE ACOUSTIC PARTITIONS (PA.01)	<del>VERTICALLY RETRACABLE ACOUSTIC PARTITIONS</del> <u>VERTICAL FOLDING OPERABLE PARTITION</u> (PA.01)
37	AUTOMATED MOVABLE WALL (PA.02) / Page No. 182	Automated movable wall dimensions: 48 meters long and 5 meters tall. It will be acoustically treated and covered with finishes. Steel furring on either sides of the wall to receive the finishing material, whenever will be required (CL.06). Structural void : 150mm of mineral wool. Downstage side of the wall: steel furring covered by 4 layers of 12.5mm gypsum board, 1x 30mm resilient bar and 1x 20mm finished acoustic panel. Upstage side of the wall: steel furring covered by 2 layers of 12.5mm gypsum board that will receive painting. Top portion of the wall: covered by the sale flooring material as the rest of the hall. Sub-systems:	Automated movable wall dimensions: 48 meters long and 5 meters tall. It will be acoustically treated and covered with finishes. Steel furring on either sides of the wall to receive the finishing material, whenever will be required (CL.06). <u>Sound reduction index &gt;50Db</u> Structural void : 150mm of mineral wool. Downstage side of the wall: steel furring covered by 4 layers of 12.5mm gypsum board, 1x 30mm resilient bar and 1x 20mm finished acoustic panel. Upstage side of the wall: steel furring covered by 2 layers of 12.5mm gypsum board that will receive painting. Top portion of the wall: covered by the sale flooring material as the rest of the hall. Sub-systems:
38	COPPER COMPOSITE SLATS ( SI.12) Page No. 184	SI.12.01 Micro perforated copper slats (300 x 120 mm) mechanically fixed to aluminium baffles. Coating acoustic material, isolation > 0.55. Fixed to stainless steel structure (minimum 100 x 100 mm), the lower part of skylights.	SI.12.01 Micro perforated copper slats (300 x 120 mm) mechanically fixed to aluminium baffles. Coating acoustic material, isolation > 0.55. Fixed to stainless steel structure (minimum 100 x 100 mm), <u>covering in the funnels</u> the lower part of skylights.
39	<u>BI- COLOUR STONE COUNTER ( SI.13)</u> Page No. 184 (New Add Item)		<u>Stone pre-cut tiles, Semi-hexagonal pieces of white 'Makrana', and 'Abu black' marble, with gold-colored joining paste. This solution is used for the counter desk of the restaurant in the Convention Centre.</u>
40	<u>SKYLIGHTS ( SI.14)</u> Page No. 184 (New Add Item)		<u>Skylights over the funnels of the Grand Foyer, Composed by: Double Glazing Composition SGG Stadip Silence 8.4 (8mm thick; Rw= 37dB) / 20/ SGG Stadip silence 10.4 ( 8mm thick; Rw= 37dB) and Thermally insulated aluminum profiles. Transom - Mullion, mechanically fixed</u>
41	CERAMIC TILE (FL.07) / Page No. 185	Ceramic flooring plated along the floor, polished finish, glued with improved cementitious adhesive with reduced glide; grout with cement mortar, for minimum joint (between 1.5 and 3 mm), with a similar shade for all the pieces. Located at the kitchen in the Convention Centre and Exhibition Halls restaurant and cafeteria.	Ceramic flooring plated along the floor, polished finish, glued with improved cementitious adhesive with reduced glide; grout with cement mortar, for minimum joint (between 1.5 and 3 mm), with a similar shade for all the pieces. Located at the kitchen <u>and staff toilets</u> in the Convention Centre and Exhibition Halls restaurant and cafeteria <u>kitchens</u> .
42	HEXAGONAL WOOD BLOCK FLOOR OF THE AUTOMATED PLATFORM (FL.08) Page No. 185	End grain oak wood blocks floor, cut in hexagonal pieces L=80mm. Layed over leveled floor. Located at the automated platform of Venue	End grain oak wood blocks floor, cut in hexagonal pieces L=80mm. Layed over leveled floor. Located at the automated platform <u>in the Main Hall (Auditorium) of the Convention Centre</u>
43	<u>LARGE FORMAT CERAMIC TILES FL.09</u> Page No. 185 (New Add Item)		<u>High quality ceramic tiles, large format. Located in the public toilets of the Convention Centre.</u>
44	<u>BLACK TERRAZO WITH BRASS PLATE FRAMING (FL.15)</u> Page No. 186 (New Add Item)		<u>Black Terrazo one-piece-step 1800x300x80mm, framed in brass plate, 3mm thick. Terrazo will be made out of Black Abu marble and other fine aggregates, lime and Portland quick dry cement and water. Located in the lift areas of the lobbies in the Convention Centre.</u>

S.No.	Clause No. / Reference	Original Clause	Revised Clause (Deletion are indicated with a <del>strike through</del> and addition are highlighted by an <u>underline</u> )
45	<u>FL.17.02</u> Page No. 186 (New Add Item)		<u>WHITE POLISHED CONCRETE with CNC steel panel leftovers used as punctual decoration</u>
46	<u>GRANITE STONE (FL.22)</u> Page No. 186 (New Add Item)		<u>25mm thick Beige Granite stone. Located in the Foyer, corridors and stairs of public areas, café bars and restaurants.</u>
47	<u>GREEN MOQUETTE (FL.23)</u> Page No. 186 (New Add Item)		<u>Green moquette cover (Neem color, pantone 5767 C or equivalent), white floral motifs printed (neem flower). Extension over the surface of the cafeteria and stairs. Construction is fully impregnated on floor, ideal for installations that meet high traffic or where chairs with castors are likely to be used. Thickness: ISO 1765 ca. 6.5 mm. Roll length: ca. 30 m, Roll width: 200 cm. Fibre composition of the wear layer is 100% PA, backing 100% recycled PES. Weight: 1.5 kg/m2. Impact sound reduction: ISO 140-8, 22 dB, Sound absorption: EN ISO 354 0.20 (H). Reaction to fire: EN 13501-1. Needlefelt moquette (Forbo®) or similar.</u> <u>The green moquette shall be installed over raised floor, formed by laminated gypsum board reinforced with fibers, 1200x600 mm and 25 mm thick, with tongue and groove edges, supported on adjustable feets of galvanized steel. Fully assembled and prepared to support a pavement. Located in meeting rooms of the Exhibition Halls 1 &amp; EH 2</u>
48	WHITE COATING (FL.24) Page No. 186	Exposed metal roofs shall be white colour for achieving cool roof & avoiding heat land effect.	<del>Exposed metal roofs shall be white colour for achieving cool roof</del> <u>White coating on metal roof for achieving cool roof and for avoiding heat island effect.</u>
49	<u>VENETIAN TERRAZZO IN FOUR TONES WITH BRASS PLATE JOINERY (FL.25)</u> Page No. 186 (New Add Item)		<u>Venetian terrazzo: mixture of marble fine aggregates in four different tones (white, gray 1, gray 2, gray 3 - see plan 0744), lime and Portland quick dry cement and water. Geometrical joinery built in hexagonal brass frame. Brass frame is attached to the concrete leveled and grooved floor. Terrazzo mix is then poured, leveled and mechanically grinded, polished and pressure-washed to finish. Four floor colors shall be combined, white, gray 1, gray 2, gray 3. This type of floor is located in the restaurant of the Convention Centre (-4.65m).</u>
50	<u>NATURAL GRANITE STONE (FL.26)</u> Page No. 186 (New Add Item)		<u>Natural colour granite stone 25mm thick. Located in the Entrance Hall from parking of the Basement 2 of the Convention Centre.</u>
51	<u>OAK WOODEN FLOOR (FL.28)</u> Page No. 186 (New Add Item)		<u>End grain oak wood plank floor. Layed over leveled floor. Located in the Retractable Tiers area, in the Exhibition Hall 1. The tiers are covered with this material in the face where the chairs are located.</u>
52	<del>CAST GFRG WALL PANELS (CL.01)</del> Page No. 187	CL.01.01 CAST GFRG WALL PANELS with gold color foil details CL.01 which surface will include details finished with "pasted golden color leaves" in the restaurant lounge & reserved room walls.	<del>CL.01.01 CAST GFRG WALL PANELS with gold color foil details CL.01 which surface will include details finished with "pasted golden color leaves" in the restaurant lounge &amp; reserved room walls.</del>
53	BLACK-OUT CURTAIN (CL.10) Page No. 188	Absolute Zero Velvet Blackout Curtain Panel. Made with patented Thermaback technology to block 100 percent of unwanted out light. Installed in the Auditorium and the Grand Ball Room of the Convention Centre.	Absolute Zero Velvet Blackout Curtain Panel. Made with patented Thermaback technology to block 100 percent of unwanted out light. Installed in the <u>main hall</u> Auditorium and the Grand Ball Room of the Convention Centre.

S.No.	Clause No. / Reference	Original Clause	Revised Clause (Deletion are indicated with a <del>strikethrough</del> and addition are highlighted by an <u>underline</u> )
54	AKUSTIKABSORBER - PF BLACK BLACK UNWOVEN FABRIC + ABSORBING POLYURETHANE FOAM (CL.11) Page No. 188	COMPOSITION: Black unwoven fabric and absorbing polyurethane foam. Available with self-adhesive layer. Vertical metallic profiles in every joint. APPLICATIONS: Lining interior surfaces with good acoustic absorption requirements. Under slab. Located in the technical rooms, interpreter's booths and corridors, control booths and workshops of the Convention Centre. THICKNESS: 25mm FORMATS: 1200X1000 mm sheets or 1500 mm x 20m long rolls ACOUSTIC ABSORPTION: aw>=0.55MH and aw(1k-2k)>=0,75.	COMPOSITION: Black unwoven fabric and absorbing polyurethane foam. Available with self-adhesive layer. Vertical metallic profiles in every joint. APPLICATIONS: Lining interior surfaces with good acoustic absorption requirements. Under slab. Located in the technical rooms, interpreter's booths and corridors, control booths, <u>Sky lobby</u> and workshops of the Convention Centre. THICKNESS: 25_ <u>50</u> mm FORMATS: 1200X1000 mm sheets or 1500 mm x 20m long rolls ACOUSTIC ABSORPTION: aw>=0.55MH and aw(1k-2k)>=0,75.
55	NATURAL ITALIAN MARBLE STONE (CL.12) / Page No. 189	Located in general visitors access zones of the Convention Centre.	Located in <del>general visitors access zones</del> <u>VIP areas</u> of the Convention Centre.
56	GRC PANELS (CL.15) / Page No. 189	Two dimensional GRC panels, following the façade pattern. Located at the sky lobby of the Convention Centre.	<del>Two</del> <u>Three</u> dimensional GRC panels, following the façade pattern. <u>Behind the panels a black unwoven fabric and absorbing polyurethane foam. Available with self-adhesive layer in a thickness of 25mm.(CE.12) Located at the upper wall of the sky Lobby.</u> <u>P01_02: minimum thickness: 150mm, maximum thickness 250mm</u> <u>P02_02: minimum thickness: 150mm, maximum thickness 250mm</u> <u>P03.1_02: minimum thickness: 150mm, maximum thickness 250mm</u>
57	AIXFOAM - SH006 (CL.16) / Page No. 189	AIXFOAM - SH006 (CL.16)	<del>AIXFOAM - SH006</del> <u>COLOURED UNWOVEN FABRIC + ABSORBING POLYETHER FOAM</u> (CL.16)
58	MICROSORBER (CL.18) / Page No. 189	MICROSORBER (CL.18)	<del>MICROSORBER</del> <u>TRANSPARENT ACOUSTIC ABSORBENT</u> (CL.18)
59	WHITE COLOURED CONCRETE (CL.22) / Page No. 190	White coloured concrete wall (4.8 m high). Colored by inorganic pigments.	White coloured cement <u>board panels</u> wall (4.8 m high). Colored by inorganic pigments,
60	SLAT WALL (CL.26) / Page No. 190	200 mm high wooden or metallic slats that are secured to each other with an aluminum dowel. These assembled slats form the grill panel, which can be produced in various lengths and widths. Material finish as the one applied in the foyer. Same system applied on the walls next to the exhibition hall, evolving the space. Located at the Cafe Bar and Restaurant of the Exhibition Hall 1	200 mm high wooden or metallic slats that are secured to each other with an aluminum dowel. These assembled slats form the grill panel, which can be produced in various lengths and widths. Material finish as the one applied in the foyer. Same system applied on the walls next to the exhibition hall, evolving the space. Located at the Cafe Bar and Restaurant of the Exhibition Hall 1 <u>&amp; Exhibition Hall 2. Sound absorption aw&gt;0.5</u>
61	GLASS SCREEN FINISH (CL.27) / Page No. 190	Full height back painted with neem colour (Pantone 5767C), fixed to the floor with a two steel folded sheet bolted to the structural floor, fixed to the upper structural floor with a hanged structure of 40 x 40mm steel tube and steel folded sheets at the height of the ceiling. Laminated glass of 3600 x 1250 mm s and 16 mm thickness. Applied on toilets and office walls facing meeting rooms of the Exhibition Halls 1	Full height back painted ( <u>colour according to drawings</u> ) with <u>neem colour (Pantone 5767C)</u> , fixed to the floor with a two steel folded sheet bolted to the structural floor, fixed to the upper structural floor with a hanged structure of 40 x 40mm steel tube and steel folded sheets at the height of the ceiling. Laminated glass of 3600 x 1250 mm s and 16 mm thickness. Applied on toilets and office walls facing meeting rooms of the Exhibition Halls <u>1 &amp; Exhibition Hall 2</u> .

S.No.	Clause No. / Reference	Original Clause	Revised Clause (Deletion are indicated with a <del>strikethrough</del> and addition are highlighted by an <u>underline</u> )
62	PAINT FINISH (CL.28) / Page No. 190	Paint based on acrylic binder, anti bacterial and anti fungal protection, applied on plasterboard partition walls from 2.3 m to ceiling (3.0 m). Finishing walls of the toilets in Exhibition Hall 1 and Convention Centre.	<del>Paint based on acrylic binder, anti bacterial and anti fungal protection, applied on plasterboard partition walls from 2.3 m to ceiling (3.0 m). Finishing walls of the toilets in Exhibition Hall 1 and Convention Centre.</del> <u>Paint finish</u>  <u>CL.28.01 white paint applied over structural wall, located in evacuation stairs and corridors, storages rooms</u>  <u>CL.28.02 White Paint based on acrylic binder, anti bacterial and anti fungal protection, applied on plasterboard partition walls, Finishing walls of the toilets in Exhibition Hall 1 &amp; EH 2 and Convention Centre. Foyer offices, offices, ICT rooms</u>  <u>CL.28.03 Superior quality or colored paint finish</u>
63	TECU (CL.38) Page No. 191	Applied in the Foyer, following the braided pattern of the external façade.	<u>Bronze Colour Copper Cladding</u> Applied in the Foyer, following the braided pattern of the external façade.
64	FIRE RESISTANT GLASS (CL.40) / Page No. 192	FIRE RESISTANT GLASS (CL.40) Floor to ceiling glass panels. Double glass 6mm+6mm fire glass classification EI	<del>FIRE RESISTANT GLASS (CL.40) Floor to ceiling glass panels. Double glass 6mm+6mm fire glass classification EI</del>
65	BLACK ARTIFICIAL STONE FINISH (CL.41) / Page No. 192	Black non-porous cladding, variable length.	Black non-porous cladding, <u>1.1m height</u> , variable length. <u>Located in front café- bar of EH1 and EH2.</u>
66	ALUMINUM COMPOSITE PANEL (CL.43) / Page No. 192	ALUMINUM COMPOSITE PANEL "CALM" VERTICALLY CORRUGATED. Located as plinth in the Main Hall of the Convention Centre.	ALUMINUM COMPOSITE PANEL "CALM" VERTICALLY CORRUGATED. <u>Similar composition to CL.05.</u> Located as plinth in the Main Hall (Auditorium) of the Convention Centre <u>following the aim design. Fire rating according to Euroclass is A1, incombustible.</u>
67	ACOUSTIC PERFORATED LAMINATED GYPSUM BOARD (CE.05) / Page No. 194	ACOUSTIC PERFORATED LAMINATED GYPSUM BOARD (CE.05)	ACOUSTIC PERFORATED <del>LAMINATED</del> GYPSUM BOARD (CE.05)
68	PATTERNED EXTERIOR CEILING (GRC) (CE.09) Page No. 195 / Description Added	PATTERNED EXTERIOR CEILING (GRC)	<u>PATTERNED EXTERIOR CEILING (GRC)</u> : Located at the exterior areas of the CC <u>and the Exhibition Halls and Grand Foyer.</u> <u>CPI :</u> <u>minimum thickness: 150mm, maximum thickness 250mm</u> <u>CP2 : minimum thickness: 150mm, maximum thickness 250mm</u> <u>CP3.1 : minimum thickness: 150mm, maximum thickness 250mm</u> <u>CP3.2 : minimum thickness: 150mm, maximum thickness 250mm</u> <u>CP4 : minimum thickness: 150mm, maximum thickness 250mm</u> <u>CP5.1 : minimum thickness: 150mm, maximum thickness 250mm</u> <u>CP5.2 : minimum thickness: 150mm, maximum thickness 250mm.</u>
69	PATTERNED CEILING (GRC) (CE.09.01) / Page No. 195 / Description Added		<u>Three dimensional GRC panels, following the façade pattern. Behind the panels a black unwoven fabric and absorbing polyurethane foam suspended with his proper substructure. Available with self-adhesive layer in a thickness of 50mm.(CE.12). Located at the Convention Centre Sky Lobby.</u>  <u>P01_02: minimum thickness: 150mm, maximum thickness 250mm</u> <u>P02_02: minimum thickness: 150mm, maximum thickness 250mm</u> <u>P03.1_02: minimum thickness: 150mm, maximum thickness 250mm.</u>

S.No.	Clause No. / Reference	Original Clause	Revised Clause (Deletion are indicated with a <del>strikethrough</del> and addition are highlighted by an <u>underline</u> )
70	HERADESIGN (CE.10) / Page No. 196 /Name changed	HERADESIGN (CE.10)	<del>HERADESIGN</del> <u>MAGNESITE BONDED WOOD WOOL ACOUSTIC PANEL</u> (CE.10)
71	<u>SOLID SOUND ABSORBENT PANEL (3 finishes)</u> (CE.11) / Page No. 196 / Description added		<u>Composite panel made of non-woven aluminum suitable for wall- and ceiling applications, for broadband absorption. The panel gives a very efficient sound absorption of low, medium and high frequencies. The desired sound absorption is achieved by an adequate air cavity and an optional layer of mineral wool. The product exists in several finishes of non-woven aluminum fibers pressed between two aluminum meshes, thus creating porous and flexible sheets (porosity about 45%).</u>  <u>These finishes will be combined randomly on the wall. The material is supplied in sheets (1x / 0.5x1 /2x1m, and 1.3 to 1.8mm thick). Supplied in standard grey aluminum color, they will be painted and varnished by supplier, cut in diamond pieces and folded to be mounted as scales on the wall. The sound absorption is only guaranteed when the sheets are varnished or painted by supplier. Sheets can be bent up to a min. radius of 25 mm, aw≥ 0.65 up to 50% of the wall area. The acoustic absorption could be reached considering 50mm thick of mineral wool or 100 mm air cavity between the panel and the supporting partition. Fire rating according to Euroclass is A1, incombustible. The sheet is rust-proof, washable (varnished sheets only) and 100% recyclable. This type of panels are installed in some parts of the ceiling of the Main Hall (Auditorium) of the Convention Centre, following the geometrical shapes indicated in detail plan.</u>
72	AKUSTIKABSORBER - PF BLACK (CE.12) / Page No. 196	AKUSTIKABSORBER - PF BLACK (CE.12) COMPOSITION: Black unwoven fabric and absorbing polyurethane foam. Available with self-adhesive layer APPLICATIONS: Lining interior surfaces with good acoustic absorption requirements. Under slab. Located in the technical rooms, interpreter's booths, control booths and workshops of the Convention Centre. THICKNESS: 25mm FORMATS: 1200X1000 mm sheets or 1500 mm x 20m long rolls ACOUSTIC ABSORPTION: aw≥ 0.55MH and aw(1k-2k)≥0,75	<del>AKUSTIKABSORBER – PF BLACK</del> <u>BLACK UNWOVEN FABRIC + ABSORBING POLYURETHANE FOAM (CE.12)</u> COMPOSITION: Black unwoven fabric and absorbing polyurethane foam. Available with self-adhesive layer APPLICATIONS: Lining interior surfaces with good acoustic absorption requirements. Under slab. Located in the technical rooms, interpreter's booths, control booths, <u>Skylobby</u> and workshops of the Convention Centre. THICKNESS: 25- <u>50</u> mm FORMATS: 1200X1000 mm sheets or 1500 mm x 20m long rolls ACOUSTIC ABSORPTION: aw≥ 0.55MH and aw(1k-2k)≥0,75
73	SLAT CEILING (CE.14) / Page No. 196	SLAT CEILING (CE.14) 200 mm high wooden or metallic slats separation between them of 10-11cm. Those are secured to each other with an aluminum dowel. These assembled slats form the grill panel, which can be produced in various lengths and widths. Material finish as the one applied in the foyer. Allowing the ceiling to be demountable and provides easy access to the plenum. Located at the Cafe Bars, Restaurants and meeting rooms of the Exhibition Hall 1	<del>COPPER</del> SLAT CEILING (CE.14) 200mm high copper slats separation between them of 10-11cm, <del>These are</del> secured to each other with an aluminum dowel. These assembled slats form the grill panel, which can be produced in various lengths and widths. Material finish as the one applied in the foyer. Allowing the ceiling to be demountable and provides easy access to the plenum. Located at the Cafe Bars, Restaurants & EH2 and meeting rooms of the Exhibition Hall 1 & EH 2. <u>Acoustic absorption coef.: aw&gt;=0.55</u>
74	ALUMINIUM SLAT CEILING (CE.17) / Page No. 196	DURLUM ceiling Baffle System, POLYLAM aluminium slats with dur-GRAPHICS Oak finish W179 finish	<del>DURLUM</del> ceiling Baffle System, POLYLAM aluminium slats with dur-GRAPHICS Oak finish W179 finish or equivalent. <u>Acoustic absorption coef.: aw&gt;=0.55.</u>
75	<u>MINERAL FIBER FLOATING CEILING</u> (CE.18) / Page No. 196 (New Item Add after CE.17)		<u>Free hanging elements on false ceiling (55%-60% of the ceiling area). Absorption coefficient: aw&gt; = 0.85. Acoustical canopies of mineral fiber. Different shapes following the ceiling pattern. Fire performance Class A. Located at the Grand Ball Room of the Convention Centre.</u>

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<b>Part 2 : Volume 1.2 - EPC_Schedules E to S</b>			
1	Schedule - J Cl. 5.0 Page No. 20	<p><b>5.0 Project Milestone-IV</b></p> <p>5.1 Project Milestone-IV shall occur on the date falling on the twelfth (12th) month from the date of Letter of Award.</p>	<p><b>5.0 Project Milestone-IV</b></p> <p>5.1 Project Milestone-IV shall occur on the date falling on the <del>twelfth (12th) month</del> <u>nineteenth (19th)</u> month from the date of Letter of Award.</p>
2	Schedule- R , Annexure-II Page No. 114	<p><b>Annexure- II SAFETY, HEALTH &amp; ENVIRONMENT SCORECARD – WEEKLY</b></p> <p>Clause 15.1.3</p>	<p><b>Annexure- II SAFETY, HEALTH &amp; ENVIRONMENT SCORECARD – WEEKLY</b></p> <p><del>Clause 15.1.3</del> <u>Clause 11.1.3</u></p>