Sub: Tender for “Construction of Modernized and Technologically Advanced Work Centres and other Buildings for Offices and State-of-The-Art Research Development Centre at ALIMCO, Kanpur (U.P.)” of E.V ₹77.76Crs.


Addendum No.1

Reply to the bidder’s queries/clarifications is as under:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Reference</th>
<th>Instead of</th>
<th>To be Read as</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Item no. 7.07 of Civil BOQ at page no. 6 of Vol-III.</td>
<td>Procuring, fabricating, providing, fixing and erection of structural steel work in factory fabricated machine welded and finished structural elements with plates, angles, channels, beams etc. of specified grade of Fe 345 WA/WB as per IS 2062 to form structural members for all span beams &amp; columns as per shop drawings based on the design approved by structural Engineer. The rate shall include transpiration of materials from steel manufacturer’s yard to factory fabrication yard and then to site of work, making all necessary arrangement for safe handling and erection and hoisting i.e. like making temporary sturdy structure to take erection loads and loads of the fabricated sections/ materials during execution, dismantling temporary structure after completion of structure etc. Applying Primer of approved make and all work shall be carried out true to line and levels as per approved drawings and specifications.</td>
<td>Procuring, fabricating, providing, fixing and erection of structural steel work in factory fabricated machine welded and finished structural elements with plates, angles, channels, beams etc. of specified grade of Fe 345 WA/WB as per IS 2062 to form structural members for all span beams &amp; columns as per shop drawings based on the design approved by structural Engineer. The rate shall include transpiration of materials from steel manufacturer's yard to factory fabrication yard and then to site of work, making all necessary arrangement for safe handling and erection and hoisting i.e. like making temporary sturdy structure to take erection loads and loads of the fabricated sections/ materials during execution, dismantling temporary structure after completion of structure etc. Applying one coat of Primer and two coat of synthetic enamel paint of preferred make as per specifications and all work shall be carried out true to line and levels as per approved drawings and specifications.</td>
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<tr>
<td>2.</td>
<td>Item no. 14.1(c) at page no. 42 of Technical Specifications of Vol-II.</td>
<td>Apoxi paint shall be used on steel structure as well as on Puff panels to protect it from damage due to Chemicals like in anodizing plant ec.</td>
<td>Synthetic enamel paint shall be used of preferred make after approval of Engineer Incharge on structural steel work (PEB) work.</td>
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</tbody>
</table>
### 3. BOQ items

There are number of items like 1.02(b), 1.03(b), 1.04(b), 2.03, 12.18, 13.04(a), 18.05 & 18.10 whose quantity given in the BOQ is zero but rate has been given which creates confusion it will be as such better that these may be deleted.

May be treated as deleted.

### 4. Item no. 18.06 of BOQ of Vol-III.

**Description:** Providing and Making Miscellaneous work at site Complete as per the direction of Engineer.

### Item no. 18.07 of BOQ of Vol-III.

Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including:

- a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design

### Item no. 18.08 of BOQ of Vol-III.

b) Providing, fabricating, supplying and fixing aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.

c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon

### Item no. 18.09 of BOQ of Vol-III.

d) Providing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including:

- a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design

- b) Providing, fabricating, supplying and fixing aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.

- c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon
separators to prevent bi-metallic contacts all complete. The item includes cost of all material & labour component, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. Actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places for the purpose of payment.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>DSR Rate</th>
<th>Total DSR Amount</th>
</tr>
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<tbody>
<tr>
<td>5.</td>
<td>Item No.14.26 of Sewer Treatment Plant of BOQ of Vol-III.</td>
<td>3775.30</td>
<td>1500000/-</td>
</tr>
</tbody>
</table>

Providing and fixing Mechanical Equipment tank for STP to be complete in all respect as per specifications and Drawing by Architect.

Providing and Installing Sewer Treatment Plant as per Technical specifications & Drawings (To be provided by Consultant) of 10KL/Day capacity.

All other terms & conditions shall remain unchanged.
The above shall form the part of tender documents.

ED (Contracts)
10.03.2017