Clarification of ITB – Amendment No. 1
Dated on 16 March 2009

ITB: Construction of Additional two floors in the Government Jenin Hospital at Jenin in the West Bank

ITB Issue Date: 25 February 2009.

Pre-bid meeting 10 March 2009 @ 11:30 (local time)

Closing Date: 24 March 2009 @ 12:00 (local time)

Reschedule of Close Date: 8 April 2009 @ 12:00 (local time Jenin city)

Contractors Various to view this Addendum on www.undp.ps/en/aboutundp/forms.html

Dear Participants,

This correspondence pertaining to the above-mentioned project; should be considered as an integral part of the tender documents. Below, please find the UNDP/PAPP official replies to all inquires raised by participant bidders during the pre-bid meeting held on 10 March 2009@ 11:30hrs in Jenin Governmental Hospital.

The following is considered as amendment No 1 to the Invitation to Bid, which shall be deemed to form and be read as part of the tender:

1) The deadline for the Submission of Bids is extended to Wednesday 8 April 2009 @ 12:00 am at:

UNDP/PAPP Office
Al Nakura Street, Sateh Marhaba
Ramallah

2) Any bids delivered after the deadline on 8 April 2009 @ 12:00am will be rejected.

3) Bids will be opened in the presence of Bidders’ Representatives, who choose to attend, at 12:30 hours on 8 April 2009 at the same above address.
4) General:

- Please find attached a complete set of the Architectural and Structural drawings, including those drawing sheets which were missing; hence this set supersedes the previous one. The contractors are therefore requested to refer to the attached drawings and details in pricing the Architectural and Civil works.

- The contractor shall coordinate with the hospital directorate for the erection of all temporary site offices and storage areas and yards. The Contractor shall provide and maintain all temporary roads and tracks necessary for movement of his labour, plant and materials, and to erect the necessary fencing and separate passage ways from the hospital staff and visitors. The Contractor shall divert as required, at his cost and to the approval of the Engineer, all public utilities encountered during the progress of the Works, except those specially indicated on the drawings as being included in the Contract. The Contractor shall not load or permit any part of the structures to be loaded with a weight that will endanger its safety.

Upon completion of the Works, the site and any adjacent areas affected by the building operation shall be properly cleared of all temporary works, debris and other rubbish and all disturbed works where ground shall be made good to the satisfaction of the Engineer.

- The Bidders shall price all items that he considers to have a value, including pricing the additional items attached in this addendum. Any Items which are not priced by the Contractor will be deemed to be of no value and their costs will be considered to have been included in the price of other items. Hence, the un-priced item(s) will be executed by the contractor and the contractor will not be paid for such bill item(s).

Answers to inquiries and further clarifications on the civil works

- It is required to construct a small office building within the premises of the existing hospital, of a total plan area 120 square meters. The design of the office building will be provided to the winning contractor upon the commencement of the Contract. In this context, the contractors are requested to quote for the additional bill items, as provisional works, and to insert them in the attachment # 1.

- The contractor shall price the stone work for the window sills according to the detailed drawing. Accordingly, the thickness of the stone sill shall be between 12-15 cm.

- The unit rate for bill item # 1.4 shall include also cost for removing and hauling away terrazzo tiles and concrete pedestals in the existing machinery room.

- BOQ item # 2.11 under the civil work shall be for the supply and cast of B300 concrete for the vertical lintels and bond beams including the required steel reinforcement.

Answers to inquiries and clarifications on the mechanical works;

1- Bill of quantities,

- Delete the word “galvanized” preceding CPVC pipes in item 17.1, and consider “16bar CPVC pipes for cold water use” and “25 bar CPVC pipes for hot water use”.

- Insulation thickness for hot water pipes above 1 inch diameter described in item 17.2 should be “13mm” instead of 9mm thick.

- Sleeve diameter in item 17.5 should read “20mm” rather than 25mm.

- Air duct insulation density in item 19.10 should read “24Kg/M3” instead of 12Kg/M3.

- All items under 19.7 are meant as “Air Handling Units” and not Packaged Units. All air handling units should also include primary and bag filters in addition to HEPA filters where specified. Additionally, all air handling units should have compatible 0-100% modulating three-way valve from Honeywell or EA. Equally applicable, all air handling units with plate heat exchangers should have their own built-in return (exhaust) fans.
f- Item 19.7.1 should read Ditto as above, while the phrase “but without humidifier” should be deleted since the preceding item has no humidifier either. Additionally, item 19.7.2 should read Ditto as in 19.7, but without plate heat exchanger, HEPA filter, and heating battery instead of “Ditto as in 19.7, but without plate heat exchanger and Hepa filter.

g- Quantity in item 19.16.4 should read “5Nos” instead of 3 Nos.

h- Item 19.16.2 describes the work required to relocate the existing air handling units and their ancillaries to the future roof. This should include all mechanical workmanship, lifting, liaising, coordinating...etc, and starting by dismantling and ending by commissioning the units. However, the supply and installation of any additional ancillary needed to complete the job will be paid for as per the unit rates stipulated in items 19.16.3.1 through 19.16.3.15. Meanwhile, the electrical wiring, cabling, connections...etc, are accounted for in the BOQ of the electrical works.

i- Item 19.16.4 describes the work required to relocate the existing exhaust fans including their ancillaries to the future roof. This should include all mechanical workmanship, lifting, liaising, coordinating, etc, starting by dismantling and ending by commissioning the fans. However, the supply and installation of any additional duct needed to complete the job will be paid for as per the unit rate stipulated in item 19.16.4.1. Meanwhile, the electrical wiring, cabling, connections, etc, are accounted for in the BOQ of the electrical works.

j- Item 19.8 should read: Supply and install modulating heating/cooling thermostats compatible with the air handling units modulating valves made by Honeywell or EA.

k- Four additional items for the Mechanical Works should be priced and considered as part of the Mechanical BOQ. (See attachment # 1).

2- Specifications:

a- The list of approved manufacturers on page 159 of the Specifications Book should be deleted. Pricing should be based on quality, standards, features, functions, price, and after sale service of the products stipulated in the mechanical bid. Any equivalent can be considered only during implementation. This is to add that any other proposed product deemed equivalent in quality, standards, features, functions, and after sale service during implementation, but found less in price, will be approved on the basis of price reduction in the corresponding unit rate.

For your kind attention and reference

Sincerely Yours,

Khaled Shalwan
Deputy Special Representative / Operations
<table>
<thead>
<tr>
<th>Item No</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>Excavation Works</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.1.1</td>
<td>Excavation for foundations; in any kind of soil, to the dimensions and levels, the price shall include dismantling and removing of the existing Asphalt layer.</td>
<td>M.C</td>
<td>100.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.1.2</td>
<td>Back filling with excavated suitable soil. Back filling material shall be applied on layers, 200 mm thick, watered and compacted to 95% according to modified AASHTO Density Test T-80, between G.B.</td>
<td>M.C</td>
<td>60.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.1.3</td>
<td>Supply and spread 15 cm thick base course after compaction. Price to include leveling, watering and compacting to 95% field density. Complying with Modified AASHTO Density Test T-80.</td>
<td>M2</td>
<td>120.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.2</td>
<td>Concrete Works</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.2.1</td>
<td>Supply and cast reinforced concrete grade 'B 250' for slab on grade (10) cm. thick. Price shall include laying of polyethylene sheets 500 micron, construction joints, reinforcement steel Ø 10@20 cm c/c in both directions and all related works.</td>
<td>M.S</td>
<td>120.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.2.2</td>
<td>Supply and Cast Plain Concrete Blinding under foundations, footings &amp; tie beams (Grade 'B 150'), 10 cm thick</td>
<td>M2</td>
<td>120.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.2.3</td>
<td>Supply and Cast Reinforced Concrete Grade 'B300' With a minimum cement content of 350 Kg, per cubic meter for footings.</td>
<td>M.C</td>
<td>10.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.2.4</td>
<td>Ditto but for ground beams</td>
<td>M.C</td>
<td>10.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.2.5</td>
<td>Supply and cast reinforced concrete Grade 'B 300' for columns.</td>
<td>M.C</td>
<td>10.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.2.6</td>
<td>Supply and cast reinforced concrete Grade 'B 300' (23-27) cm thick, ribbed slab. Unit price shall include cost of supplying and laying blocks density 25kg/m², (Eliote size 50X20X12, without the cement block) and the required steel reinforcement. Price shall include drop beams, projected beams, and yield steel bar reinforcement of various diameters</td>
<td>M.S</td>
<td>120.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total of External Works - Office Building carried to Main Summary
### Additional Items for the Mechanical Works

<table>
<thead>
<tr>
<th>Item No</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.8.1</td>
<td>Supply and install 4-stage heating thermostat compatible with the air handling unit heating battery made by Honeywell or EA.</td>
<td>No</td>
<td>4.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19.15.1</td>
<td>A. Supply and install cast iron boiler of capacity 500,000 Kcal/h, as per Chappee or Buderus or EA. Price to include all required accessories, with all standard and advanced controls, insulation, jacket, thermometer, pressure gauge, thermostat, water flow switch, safety valve, and all required fittings needed to connect it with the existing header and pumping system. All complete with compatible forced draft fired burner, with fuel injection pump. Price includes oil filter, flexible hose, fuel connection pipe and all needed fittings for fuel connection, shut off valves of all required sizes and applications, and electrical connection to main electric panel, including wiring, and required extra electrical gadgets in the existing electrical panel. All as per the instructions and the approval of the Engineer.</td>
<td>No</td>
<td>1.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19.15.2</td>
<td>B. Supply and install centrifugal pump for domestic hot water system pertaining to the two additional floors under consideration, complete with globe valves, check valves, pressure and temperature gauges, connected on the discharge sides and strainer and gate valves on the suction side as specified. The price includes fixing accessories, flexible pipe connections, fittings and all electrical and control connections to existing panel. The pumps should have capacity of 6.6 l/s@ 28m-Head for the first floor heating, from Grundfos, Solimex make or equivalent.</td>
<td>No</td>
<td>2.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19.15.3</td>
<td>C. Supply, install and test domestic hot water cylinder 1000L as made by Chappee, Buderus or EA, vertical steel &amp; tube storage type, 8 bar working pressure hydrostatically tested for 1.5 times the working pressure. The unit price shall include a thermometer, an ASME rated pressure and temperature relief valve, isolating valves, drain valves, check valve on cold water make-up line, automatic air vent, support, 1.5&quot; foam insulation with tape and protected with 0.7mm aluminum cladding, all as required and approved by the Engineer.</td>
<td>No</td>
<td>1.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total of Additional Works carried to Mechanical Summary**