

**ALL INDIA INSTITUTE OF MEDICAL  
SCIENCES, NEW DELHI**

**TENDER  
FOR**

**CONSTRUCTION OF DENTAL EDUCATION AND  
RESEARCH CENTER AIIMS CAMPUS, NEW DELHI -  
MISCELLANEOUS CIVIL & ELECTRICAL WORKS**

**VOLUME - II**

**Technical Specification**

**Dec' 2008**

**HSCC (INDIA) LTD.**

(Consultants & Engineers for Mega Hospitals & Laboratories  
E-6(A), Sector-I, NOIDA (U.P.-201301 (INDIA))

TENDER NO. HSCC/132/BU-II/2008

## **TECHNICAL SPECIFICATIONS**

### **1.0 GENERAL**

- 1.01 The specifications and mode of measurements for Civil and Plumbing works shall be accordance with C.P.W.D. specifications 1996 Volumes 1 to VI.

Unless otherwise specified in the nomenclature of individual item or in the specifications, the entire work shall be carries out as per the C.P.W.D. specifications with upto date correction slips upto the date of opening of tender.

- 1.02. For the item not covered under CPWD Specifications mentioned above, the work shall be executed as per latest relevant standards/codes published by B.I.S. (formerly ISI) inclusive of all amendments issued thereto or revision thereof if any upto the date opening of tenders.
- 1.03 In case of B.I.S. (formerly I.S.I.) codes/specifications are not available, the decision of the Engineer based on acceptable sound engineering practice and local usage shall be final and binding on the contractor.
- 1.04 However, in the event of any discrepancy in the description of any item as given in the schedule of quantities or specifications appended with the tender and the specifications relating to the relevant item as per CPWD specifications mentioned above or in drawings the former shall prevail.
- 1.05 The rates for different items of work shall be for all heights, lifts, leads and depths of the building except where otherwise specified in the item of work or in special conditions appended with the tender.
- 1.06 The work shall be carried out in accordance with the architectural, structural, plumbing and electrical drawings etc. The drawing shall have to be properly co-related before executing the work. In case of any difference noticed between the drawings, final decisions in writing of the Engineer shall be obtained by the contractor. For items, where so required samples shall be prepared before staring the particulars items of work for prior approval of the Engineer and nothing extra shall be payable on this account.
- 1.07 All materials to be used on works shall bear I.S. Certification mark unless specifically permitted otherwise in writing. In case I.S. marked materials are not available (not produced) the materials used shall conform to I.S. code or CPWD specifications as applicable in this contract.

In such cases the Engineer shall satisfy himself about the quality of such materials and give his approval in writing. Only articles classified as "First Quality" by the manufacturers shall be used unless otherwise specified. All materials shall be tested as per provisions of the Mandatory Tests in CPWD specifications and the relevant IS specifications. The Engineer may relax the condition regarding testing if the quality of materials required for the work is small. Proper proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the satisfaction of Engineer. Grade of cement used shall be 43/53 unless otherwise specified explicitly. The contractor (if them of Design Mix specified in BOQ) shall get the Design Mix for RCC done by the labs approved by HSCC only. Reinforcement Steel used shall be of FE-415 unless otherwise specified. All materials shall be bought from only approved sources.

- 1.08 In respect of the work of the sub-agencies deployed for doing work of electrification, air-conditioning, external services, other building work, horticulture work, etc. for this project and any other agencies simultaneously executing other works, the contractor shall afford necessary coordination and facilities for the same. The contractors shall leave such necessary holes, opening etc. for laying / burrying in the work pipes, cables, conduits clamps, boxes and hooks for fan clamps, etc. as may be required for the electric, sanitary air conditioning, fire fighting, PA system, telephone system, CCTV system, etc. and nothing extra over the agreement rates shall be paid for the same.
- 1.09 Unless otherwise specified in the bill of quantities the rates for all items of work shall be considered as inclusive of plumping out or bailing out water if required for which no extra payment will be made. This will include water encountered from any source such as rains, floods, subsoil water table being high or due to any other cause whatsoever.
- 1.10 Any cement slurry added over base surface (or) for continuation of concreting for bond is added its is deemed to have in built in the item unless otherwise/explicitly stated and nothing extra shall be payable or extra cement considered with consumption on this account.
- 1.11 The rate for all items in which the use of cement is involved of charges for curing.
- 1.12 The contractor shall clear the site thoroughly of all seaffolding materials and rubbish etc. left out of his work and dress the site around the building to the satisfaction of the Engineer before the work is considered as complete.
- 1.13 Rates for plastering work (excluding washed grit finish on external wall surfaces) shall include for making grooves, bands etc wherever required and nothing extra shall be paid for the same.
- 1.14. The rates quoted for all brick/concrete work shall be deemed to include making openings and making good these with the same specifications as shown in drawings and/or as directed. No extra payment shall be made to the contractor on this account.
- 1.15 Rtes for all concrete/plaster work shall include for making drip course moulding, grooves etc. wherever required and nothing extra shall be paid for the same.

- 1.16 The drawing(s) attached with the tender documents are for the purpose of tender only, giving the tenderer a general idea of the nature and the extent of work to be executed. The rates quoted by the tenderer shall be deemed to be for the execution of works taking into account the "Design Aspect" of the items and in accordance with the "Construction Drawings" to be supplied to the Contractor during execution of the works.
- 1.17 The quoted rates shall be for finished items and shall be complete in all respects including the cost all materials, labour tools & plants machinery etc. all taxes duties levies octroi, royalty charges, statutory levies etc. applicable from time to time and any other item required but not mentioned here involved in the operations described above. The client/HSCC/Employer shall not be supplying any material, plant etc. unless explicitly mentioned so.

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**BOQ**

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