

**MINISTRY OF HEALTH & FAMILY WELFARE
(Govt. of India, Nirman Bhavan, New Delhi)**

CORRIGENDUM No.2 dated 20.5.2011

Tender No. : MoHFW/HSCC/PMSSY/ASR/GTB/2011 dated 2.5.2011
Name of Work : Construction of Guru Tegh Bahadur Diagnostic Centre at Government Medical College, Amritsar under PMSSY.

The last date of submission of bids is hereby extended upto 1500 hrs on 10.6.2011. and the bids shall be opened on the same day, i.e., at 1530 hrs.

The following conditions in the Tenders invited vide above tender notice are hereby amended as detailed below due to the extension in the last date of submission of bids:

Clause Reference Vol-I, Clause 1.3 Page 6

Existing Provision is as follows

“

1.3 TABLE - I

Name of Work	Estimated cost (Rs In Crore)	Period of Completion	Date of issue of tender document from	Last Date of submission (at HSCC Office Noida)	Bid Security (Rs. In Lakhs)	Cost of Tender (Tender Document Fee) (Rs.)
Construction of Guru Tegh Bahadur Diagnostic Centre at Government Medical College, Amritsar under PMSSY	Rs.24.63 crores	18 calendar months	06.05.11 to 27.05.11 upto 13:00 hrs.	27.05.11 upto 15:00 hrs. opening at 15:30 hrs.	Rs.34.63 lakhs (Rs.Thirty Four Lakhs Sixty Three Thousand Only)	Rs.25,000/-

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Clause Reference	Existing Provision	Amended Provisions
Vo-I Clause 1.7 Page 8	Applications for issue of tenders shall be received upto 1200 hrs (12 PM) on 27.05.2011 and tender documents shall be issued by 1300 hrs (1 PM) on 27.05.2011 .	Applications for issue of tenders shall be received upto 1200 hrs (12 PM) on 10.06.2011 and tender documents shall be issued by 1300 hrs (1 PM) on 10.06.2011 .
Vo-I Clause 1.8 Page 8	Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be obtained from the office of the Chief General Manager (Civil), HSCC (India) Ltd., E-6(A), Sector 1, Noida – UP – 201301 between hours of 1100 hrs & 1600 hrs from 06.05.2011 to 27.05.2011 everyday except Saturday, Sunday and Public Holidays (upto 1300 hrs on 27.05.2011) . Tender documents, will be issued, during the hours specified above, on payment of Rs.25000/- (including service tax) by Demand Draft in favor of “Pay and Accounts Officer, Secretariat, Ministry of Health and Family Welfare, Govt. of India, New Delhi” payable at New Delhi as cost of tender.	Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be obtained from the office of the Chief General Manager (Civil), HSCC (India) Ltd., E-6(A), Sector 1, Noida – UP – 201301 between hours of 1100 hrs & 1600 hrs from 06.05.2011 to 10.06.2011 everyday except Saturday, Sunday and Public Holidays (upto 1300 hrs on 10.06.2011) . Tender documents, will be issued, during the hours specified above, on payment of Rs.25000/- (including service tax) by Demand Draft in favor of “Pay and Accounts Officer, Secretariat, Ministry of Health and Family Welfare, Govt. of India, New Delhi” payable at New Delhi as cost of tender.
Vo-I Clause 1.11 Page 9	The tender comprising the Instructions to bidders, Technical Package Part-I, Technical Package Part-II and Financial Package as detailed in clause 2.3.6 and 2.3.7 of ITB shall be placed in separate sealed envelopes, each marked as per clause 2.3.12 of ITB. All the envelopes shall be submitted together in another sealed envelope with the name of work and due date of opening written on envelope, which will be received Upto 1500 hrs on 27.05.2011 and will be opened by him or his authorized representative in his office on the same day at 1530 hrs i.e. on 27.05.2011. The envelope marked “Technical Package Part-II” of only those tenderer shall be opened, whose earnest money, placed in the other envelope, is found to be in order.	The tender comprising the Instructions to bidders, Technical Package Part-I, Technical Package Part-II and Financial Package as detailed in clause 2.3.6 and 2.3.7 of ITB shall be placed in separate sealed envelopes, each marked as per clause 2.3.12 of ITB. All the envelopes shall be submitted together in another sealed envelope with the name of work and due date of opening written on envelope, which will be received Upto 1500 hrs on 10.06.2011 and will be opened by him or his authorized representative in his office on the same day at 1530 hrs i.e. on 10.06.2011 . The envelope marked “Technical Package Part-II” of only those tenderer shall be opened, whose earnest money, placed in the other envelope, is found to be in order.

The Addendum to Vol.III – Specific Conditions of Contract – Additional Specific Conditions of Contract for GRIHA Rating System is enclosed (Six Pages from Page no.SCC-ADD-1 to Page no. SCC-ADD-6). These Additional Specific Conditions of Contract for GRIHA Rating System shall form an integral part of the Volume – III Specific Conditions of Contract of the bid document and should be submitted by the bidders along with their bids in Envelope No.2, duly stamped and signed.

The tender documents stand amended to the above extent. The bidders should download the Amendment(s) and enclose them along with their bids in Envelope No.2, duly stamped and signed in accordance with clause 2.3.6(b)(xiv).

All other terms & Conditions of the Tender shall remain unchanged.

Director (PMSSY)
Ministry of Health & Family Welfare, Govt. of India

ADDENDUM TO VOLUME – III

SPECIFIC CONDITIONS OF CONTRACT

ADDITIONAL SPECIFIC CONDITIONS OF

CONTRACT

FOR

“GRIHA RATING SYSTEM”

Additional Specific Conditions of Contract for “GRIHA Rating System”

1. This Project for “**Construction of Super Speciality Block at Dr. Rajendra Prasad Government Medical College, Kangra at Tanda, Himachal Pradesh under PMSSY**” is to be executed for Certifications as per GRIHA (Green Rating for Integrated Habitat Assessment) National Green Building Rating System. Accordingly, the contractors are required to adhere to the various environment friendly and GRIHA compliant aspects of construction as well as documentation w.r.t. use of Materials, Manpower, Machinery and other relevant mandatory requirements, nothing extra shall be payable over and above the quoted rates as per the financial bid to comply with.
2. To achieve the above, the contractor shall adhere to the following during construction :
 - 2.1 Provide adequate level of sanitation and safety facilities for construction workers.
 - 2.2 Plan utilities efficiently and optimize on-site circulation efficiency.
 - 2.3 Efficient use of available water.
 - 2.4 Reduce air and noise pollution due to storage/ use of materials and machinery.
 - 2.5 Reduction in waste of construction materials.
 - 2.6 Proper storage and disposal of wastes. Dedicated place within the site to be earmarked for storing and sorting construction wastes.
 - 2.7 Implement recycling programme as far as possible to recycle construction waste materials during construction.
 - 2.8 Suitable arrangement for preventing dust and debris entering duct work and working areas.
 - 2.9 Create physical barriers between work and non-work areas.
 - 2.10 Protection of materials and equipment against moisture dust etc.
 - 2.11 Keeping work area clean and dry as possible.
 - 2.12 To take safety measures to avoid damage to existing plants and trees.

2.13 Use of low emitting materials, adhesives and sealants to –

- a. reduce/ avoid use of materials, which are irritating and naturally cause health problems to the construction workmen and occupants.
- b. Achieve specified Volatile Organic Compounds (VOC) limits as per the requirements given in **Table – 1 & Table – 2** below :

TABLE - 1

LIST OF ADHESIVES AND SEALANTS :			
S.No.	Types of Applications	Maximum VOC Limit (g/1)	Suggested Vendors
1.	Laminate Adhesive	30	Dow Corning/ Cani Merchandizing/ Esson Chemical/ Acqua Mix/ Finolex
2.	Wood Flooring Adhesive	100	
3.	Ceramic Tile Adhesive	65	
4.	Rubber Flooring Adhesive	60	
5.	Sub Floor Adhesive	50	
6.	Structural Glazing Adhesive	100	
7.	Architectural Sealant (Non Porus)	250	
8.	Indoor Carpet Adhesive	50	

TABLE – 2

LOW EMITTING MATERIALS PAINTS :		
Interior paints (<i>walls, ceiling, wood polish etc.</i>) should conform to the following criteria		
S.No.	Types of Applications	VOC Limit (g/L)
1.	Flats	50
2.	Non-flat	150
3.	Anti rust paints	250
4.	Varnish	350
5.	Lacquer	550
6.	Floor Coatings	100
7.	Water proofing sealers	250

2.14 Use only those materials which conform to the GRIHA Rating System criteria.

3. The contractor shall maintain proper record of all the materials/ equipment procured w.r.t. their source & specifications with details of their manufacturing and recycled content etc. and submit along with all supporting documents to the Engineer-In-Charge.

4. **Construction Waste Management Plan :**

The broad intent of this credit is to avoid materials going to landfills, during construction. It is required to develop a plan to recycle all possible waste generated during construction. Typical items would include land clearing debris, concrete, steel, duct work, clean dimensional wood, paperboard and plastic used in packing, etc.

The plan should include where these materials will be sent to and the mode of transportation also. Donation of construction waste to other buildings for use, is also deemed as having addressed the intent of this credit. The contractor should have a system to document the disposal of construction waste.

5. **Indoor Air Quality (IAQ) Management Plan**

The contractor shall be required to take the specific measures during construction w.r.t. following main areas of concern :

a. **HVAC System Protection :**

- When performing construction activities that produce dust, such as drywall sanding, concrete cutting, masonry work, wood sawing or addition insulation, seal off the supply diffusers and return air system openings completely for the duration of the task.
- Shut down and seal off the supply diffusers and return air ducts during any demolition operation.
- Till the HVAC system is put into use, seal-off the supply diffusers and return air system openings to prevent the accumulation of dust and debris in the duct system during construction.
- Do not use the mechanical rooms to store construction or waste materials. Keep rooms clean and neat.
- Provide periodic duct inspections during construction; if the ducts become contaminated due to inadequate protection, clean the ducts as per requirements and directions of Engineer-In-Charge.

b. **Contaminant Source Control :**

- Use low VOC products as indicated by the specifications to reduce potential problems.
- Restrict traffic volume and avoid idling of motor vehicles as their emissions could be drawn into the building.

- Utilize electric or natural gas alternatives for gasoline and diesel run equipment where possible and practical. Use low sulfur diesel in lieu of regular diesel.
- Cycle equipment off when not being used or needed.
- Exhaust pollution sources to the outside with portable fan systems.
- Prevent exhaust from re-circulating back into the building.
- Keep containers of wet products closed as much as possible. Cover or seal containers of waste materials that can release odor or dust.
- Protect stored on site or installed absorptive building materials, for instance, Cement, Gypsum/ POP etc. from weather and moisture; wrap with plastic and seal tight to prevent moisture absorption.

c. Pathway Interruption :

- Provide dust curtains or temporary enclosures to prevent dust from migrating to other areas including existing, Hospital Complex, where applicable.
- Locate pollutant sources as far away as possible from supply ducts and areas occupied by workers when feasible. Supply and exhaust systems may have to be shut down or isolated during such activity.
- During construction, isolate areas of work to prevent contamination of clean or occupied areas. Pressure differentials may be utilized to prevent contaminated air from entering clean areas.
- Depending on weather, ventilation using 100% outside air will be used to exhaust contaminated air directly to the outside during use of VOC emitting materials.

d. Housekeeping :

- Provide regular cleaning concentrating on HVAC equipment and building space to remove contaminants from the building prior to occupancy.
- All coils, air filters, fans & ducts shall remain clean during installation and, if required, will be cleaned prior to performing the testing, adjusting and balancing of the system.

- Suppress and minimize dust with wetting agents or sweeping compounds. Utilize efficient and effective dust collection methods such as a damp cloth, wet mop, or vacuum with particulate filters, or wet scrubber.
- Remove accumulations of water inside the building. Protect porous materials such as insulation and ceiling tile from exposure to moisture.
- Thoroughly clean all interior surfaces prior to replacing filters and running HVAC system for system balancing, commissioning and building flush-out.

e. Scheduling and Construction Activity Sequence :

- Schedule high pollution activities that utilize high VOC level products (including paints, sealers, insulation, adhesives, caulking and cleaners) to take place prior to installing highly absorbent materials (such as ceiling tiles, gypsum wall board, fabric furnishings, carpet and insulation, for example).
6. Photographs during various stages of construction shall be taken by contractor and submitted to the Engineer-In-Charge, showing details of specific requirements/ measures being taken by the contractor towards above.
 7. Provide photographs of the above activities during construction for documentary compliance and records.
 8. Contractor shall coordinate with supplier's of various materials and equipment to be procured by him for use in works and provide all required details w.r.t. their manufacturing facilities; raw materials etc. as per requirements of GRIHA Certification guidelines. Preference should be given to GRIHA compliant products/ materials.