

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

**CORRIGENDUM No.3 dated 24.5.2011**

**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 Pre-bid Meeting for the Tender No. MoHFW/HSCC/PMSSY/ASR/GTB/2011 dated 2.5.2011 for the Construction of Guru Tegh Bahadur Diagnostic Centre at Government Medical College, Amritsar under PMSSY was held at HSCC, Corporate Office on 16.05.2011.

The Replies to queries raised by the Bidders are as follows

S.No.	Queries Raised	Reply
1.	Payment of secured advance @ 90% may please be considered instead of 75% as mentioned on page 20 of Volume-II clause 10B (i).	No Change. Tender Conditions prevail.
2.	Mobilization advance on T&P under clause 10B (III) may please allowed.	No Change. Tender Conditions prevail.
3.	Please confirm whether service tax is payable or not. If payable then the same should be reimbursed on production of valid proof of payment to Govt.	Please refer clause no. 2.3.7 Volume I and Clause 37 Volume II of the Bid Documents.
4.	Requirement of Technical representative as per table under clause 36(i) on page 104 of Volume-II is very much on higher side (i.e. in all 11 nos. of Civil Engineers & 4 Nos. of Electrical Engineers are to be provided). This may please be reviewed as per CPWD norms.	No Change. Tender Conditions prevail.
5.	Barricading & fencing to be provided for which item may please to considered in B.O.Q.	No Change. Tender Conditions prevail.
6.	Several conditions has been mentioned in the above paras (as well as mentioned else where in NIT) like taking NOC/ APPROVAL/ CLEARANCE/ OCCUPANCY CERTIFICATE/ COMPLETION CERTIFICATE etc. from local bodies, electrical deptt., forest deptt. before implementation of project and after completion of project. In this connection please intimate whether architectural plans have been approved by local bodies or not, Tree cutting permission obtained or not.  To fulfill above conditions, the main role is to be played by Architect and client. The local bodies recognizes only client and architect and the construction agency does not come into picture. Hence the conditions may please be modified to the extent that the construction agency will assist the client and Architect in obtaining approval from the relevant local body. Alternatively, item may please be kept in BOQ for engagement of a consultant to deal with the local bodies for obtaining all the approval during construction and after completion of work.  Statutory expenditure to be incurred towards payment to local body may please be considered for reimbursement instead of to be borne by the contractor as mentioned in Para 5 Volume – 1 page 28 as well as such provision mentioned else where in NIT.	The Contractor shall be responsible for obtaining any permissions, as applicable.  All statutory payments made on account of obtaining statutory approvals shall be reimbursed to the Contractor on submission of the proof of deposit in original.

S.No.	Queries Raised	Reply
<b>B.O.Q. (Volume – V)</b>		
7.	Width of cavity not mentioned in Item No. 4.07 on page C-12, which may be 5 cm to 7.50 cm as per DSR 2007, Item No. 6.6 on page 99. Please confirm.	The width of cavity as per item no.4.07, Page C-12, Volume V BOQ shall be <b>5cm to 7.5cm wide</b> .
8.	The description of item no. 2.10.1.1 on page 54 is incomplete and item no. 2.10.1.2 on page 56 & item no. 8.02 on page 72 (plumbing) may please be checked for correction from “not exceeding 80mm” to “exceeding 80mm”.	The description of item no.6.01(a)(ii) Page Plumbing – 56 Volume V BOQ may be read as “ <b>Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm dia</b> ” in lieu of “ <b>Pipes, cables etc, not exceeding 80mm dia but not exceeding 300mm dia</b> ”  The description of item no.8.02(a)(ii) Page Plumbing – 72 Volume V BOQ may be read as “ <b>Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm dia</b> ” in lieu of “ <b>Pipes, cables etc, not exceeding 80mm dia but not exceeding 300mm dia</b> ”
9.	Unit of item no. 3.10 page C-10 is incomplete which should be per cm width per cm depth per 100 metre. Please confirm.	The Unit of Item No.3.10 on page C-10 of Vol. V – Bill of Quantities may be read as “ <b>per cm depth per 100 metre</b> ”
10.	In item no. 4.09 on page C-12, the word Brick is missing before machinery. Please confirm.	The description of item no.4.09 Page C-12 Volume V- BOQ may be read as “ <b>Extra for half brick masonry.....</b> ” in lieu of “ <b>Extra for half masonry.....</b> ”
11.	Unit of item no. 9.18 (a) on page C-51 not mentioned (in sqm.).	The unit of item no.9.18(a) on Page C-51 of Vol.V – BOQ may be read as “ <b>sqm</b> ”
12.	In item no. 1.05 (a) on page 3 of plumbing, please confirm sink will be with or without draining board.	The <b>kitchen sink</b> in item no.1.05(a) on page Plumbing – 3 of Vol.V- BOQ will be <b>with drain board</b> .
13.	For item no. 7.05 (a) on page 69 and 7.07 on page 70 of plumbing, the unit should be in metres instead of Each. Please confirm.	The unit of item no.7.05(a) on Page Plumbing -69 of Vol.V – BOQ may be read as “ <b>Metre</b> ” in lieu of “ <b>each</b> ” The unit of item no.7.07(a) on Page Plumbing -70 of Vol.V – BOQ may be read as “ <b>Metre</b> ” in lieu of “ <b>each</b> ”
<b>Award of Contract</b>		
14	We presumed that the entire scope of work will be awarded to us in a single contract as per documents & BOQ	The entire works shall be awarded as a single contract to the successful bidder.
<b>Recovery of Security Deposit</b>		
15	We presumed that 5% of the each running bill shall be deducted as security deposit & shall be released on virtual completion against BG valid upto DLP. Kindly confirm.	Please refer to Clause 1A of Vol.II General Conditions of Contract.
<b>Mobilisation Advance</b>		
16	We request that the interest free mobilization advance of 20% of the value of contract in single installment with in 7 days from the date of submission of Bank Guarantee and which shall be deductible from each running account bill on pro rata basis starting from 2 <sup>nd</sup> RA bill.	No Change. Tender Conditions prevail.
<b>Labour Cess</b>		
17	Kindly clarify whether labour cess to be included in our quoted rates.	Please refer to Clause 37(i) of Vol.II General Conditions of Contract.
<b>Basic Price Variations</b>		
18	We request that variation in basic price shall be reimbursed to us at actual.	No Change. Tender Conditions prevail.

S.No.	Queries Raised	Reply
<b>Payments Terms of Bills</b>		
19	We request that running account bills payments 75% of the total amount shall be settled within 7 days and the balance within 15 days from the date of submission of our bill.	No Change. Tender Conditions prevail.
<b>Extra Items (Not tendered Items)</b>		
20	We request actual cost of Labour + Materials + Wastages + Machinery Hire Charges + 20% towards OH & Profit + All applicable taxes shall be paid extra over the above arrived rates.	No Change. Tender Conditions prevail.
<b>Minimum Value of Bill, if any</b>		
21	We request we shall submit our monthly RA bill irrespective of any bill value.	No Change. Tender Conditions prevail.
<b>Coordination with other agencies</b>		
22	We shall coordinate with other agencies for smooth progress of works. However please note that if any facilities to be provided to them such as power, water, scaffolding & equipments etc., we request that the payment for the same at actuals.	No Change. Tender Conditions prevail.
<b>Statutory Approvals</b>		
23.	We request any statutory approvals required for construction works shall be arranged by you. We shall not consider any charges towards the same in our price.	The Contractor shall be responsible for obtaining any permissions, as applicable.  All statutory payments made on account of obtaining statutory approvals shall be reimbursed to the Contractor on submission of the proof of deposit in original.
<b>Defects Liability Period Time</b>		
24.	We request that we shall not deploy any staff at site. We shall indemnify against any defects & rectify the same at earliest.	No Change. Tender Conditions prevail.
<b>Variation Limit in Contract Value</b>		
25.	We presumed that the variations in scope of work upto +/- 10%. Kindly confirm.	Please refer to Clause 12 of Vol. II General Conditions of Contract.
<b>Liquidated Damages</b>		
26.	We request that liquidated damages clause shall be applicable only for final mile stone not an individual mile stones at the rate of 0.25% per week subject to a maximum of 2.5% of Contract Value.	No Change. Tender Conditions prevail.
<b>Nominated Sub Contractors</b>		
27.	We request for the nominated sub contractor (or) specialized agency works, we shall be paid a coordination charge of 10% on their order value for the services to be rendered by us. Taxes shall be extra on actual over and above the coordination charges.	No Change. Tender Conditions prevail.
<b>Civil Works</b>		
<b>Excavation Works</b>		
28	Kindly request that the excavation measurement as per IS 1200.	As per Mode of Measurement stipulated in the tender
<b>Reinforcement Steel Works</b>		
29	Kindly requested that laps, chairs, spacers shall be measured & paid separately.	As per Mode of Measurement stipulated in the tender
<b>Soil Report</b>		
30	Kindly provide the soil report.	The bidder is advised to visit and examine the site of works and the soil conditions, climatic conditions, labour, power, etc. and collect all information at their own cost.

S.No.	Queries Raised	Reply
<b>Plumbing Works</b>		
<b>Water Supply</b>		
31	Item No.3.01 and 3.03 – P/F CPVC pipes 62.5mm & 80mm.  50mm and below 50mm dia. CPVC pipes only comes under SDR 11 class. Please clarify.	The words “ <b>SDR-11</b> ” in item no.3.01(g) on page Plumbing -20 and item no.3.03(c) on page Plumbing-22 of Vol.V-BOQ may be read as “ <b>SDR-17</b> ”
32	Item No.3.04 – P/F GI Pipes with GI fittings.  Kindly provide the grade of pipes	As per CPWD specifications
33	Item No.3.05a – Making connection of GI distribution branch with GI main of the following : 50 to 80mm nominal bore (SDR-11)  SDR 11 Class is not for GI pipe please clarify.	The words “ <b>SDR-11</b> ” in item no.3.05(a) on page Plumbing -23 of Vol.V-BOQ stands <b>deleted</b> .
<b>External Water Supply</b>		
34.	Item no.6.02 - P/F GI Pipes with GI fittings.  Kindly provide the grade of pipes	As per CPWD specifications
<b>Fire Fighting Works</b>		
35.	Item no.1.07, 1.1, 1.14 – 16 nos. of internal hydrants and 8 nos of branch pipe are given. As per TAC each hydrant should have one branch pipe.  Kindly clarify	Work is to be carried out as per the approved drawings
36.	Item no.1.27 – 8 nos. of yard hydrants.  Its accessories like branch pipe, RRL hose and hose cabinet are not given in BOQ. Please clarify.	Work is to be carried out as per the approved drawings
<b>HVAC Works</b>		
<b>Air Handling Unit</b>		
37.	We request you kindly approve Suvidha make Air Handling Unit	The approved Makes shall be as per Tender Documents.
<b>Electrical Works</b>		
38.	We request you kindly provide us the technical specification and list of approved makes for Nurse Call System.	Please see Addendum to Technical Specifications (Vol.IV) pages EAdd-1 to E-Add-5
39.	We request you to kindly provide us the technical specification for PA system.	Please see Addendum to Technical Specifications (Vol.IV) pages EAdd-1 to E-Add-5
<b>Extension</b>		
40.	We require at least 15 days time from the date of clarification of our queries for submission of our competitive offer.	The last date of submission of bids has been extended upto <b>10.6.2011</b> . Please refer to <b>Corrigendum No.2 dated 20.5.2011</b> .

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**

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**ADDENDUM TO VOLUME – IV**  
**TECHNICAL SPECIFICATIONS**

**ELECTRICAL WORKS**

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## **1.00 NURSES CALL BELL SYSTEM**

### **1.01 SYSTEM OPERATION:**

The Nurse Call System shall consist of (1) power supply, (2) Nurses station console for suitable for proposed number of Beds. (3) Nurse station indicator panel, (4) call push button station, call cancel and reset station.

The system shall operate as under:

When a patient needs nursing assistance, he/she presses the call push button on the bed sides or uses the cord. A lamp flashing signal with a soft musical audible signal (of short duration) shall be on to indicate the number of room/bed at the nurse's station. Simultaneously the dome light and the light on the call push button station shall also start flashing. When the nurse acknowledge the call at the nurses station by pressing push button, light stops flashing and the patient is assured that his/her call has been acknowledged and shall be attended shortly. The nurse shall restore the system to its normal working for the particular bed by pushing the cancellation button on call push button station after attending the patient and all the lights shall be OFF.

### **1.02 POWER SUPPLY**

The power supply unit is suitable to work on 220 volts 50Hz AC mains or 24 volt D.C. as the case maybe. This shall be housed in a sheet steel enclosure duly painted. The power supply unit shall comprise of a step down transformer of suitable VA rating with adequate battery back up. All necessary power wiring shall form part of the package.

### **1.03 NURSES STATION CONSOLE**

This shall be an appropriately housed enclosure showing display. Different colour lights for normal and emergency calls shall be registered. When more than one call is registered, the information shall be scrolled. Emergency call shall be given priority and be indicated in red display. This indicator panel be available on visual display terminal at the nurses station with audio alarm and call acknowledgment terminal.

### **1.04 NURSES STATION INDICATOR PANEL**

This shall be in the form of an electronic messaging centre and shall feature three display colours.

RED  
AMBER  
GREEN

The different colours shall be accompanied by three distinct electronic tones. The displays shall be mounted ceiling or wall and shall be in double sided configurations to suit the site requirement and as per directions of Engineer-in-

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Charge. Calls in the system to be sorted by priority and calls of the same priority shall be scrolled on the display.

#### **1.05 CALL PUSH BUTTON STATION**

It shall consist of an indicating lamp with cancel action push button fitted on the acrylic sheet with M.S.Box (if required) and fitted slightly above the bed at suitable place. It also consists of one number bell push with provision of pull cord of required length.

#### **1.06 CONDUITING & WIRING**

Conduiting & wiring for nurses call system shall be carried out in M.S conduit with desired pair annealed tinned copper conductor PVC insulated PVC sheathed telephone cable. Desired pair cable shall be provided from call push button station via dome light up to Nurses console.

#### **1.08 TESTING AND COMMISSIONING**

After the Nurses Call System as refined above is finally installed the contractor shall give detailed testing and commissioning demonstration and maintained the system for complete duration of defects liability period.

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## 2.00 PUBLIC ADDRESS SYSTEM

For public announcements P.A System has been proposed for the building. P.A Equipment shall be stacked in a rack located at reception/ or specified in the detailed drawing. Master Announcement console & Announcement console is to be provided at reception area for local announcements and 1 Mic & 1 Aux Inputs, with individual volume control & Aux inputs jacks for each floor (Ground + five floors) at two different locations on each floor. Speakers are to be provided in the building and are to be located such that announcement shall be available for public.

The system shall comprise of the following: -

There shall be a Central Announcements Console, which shall be a dual type capable of processing signals from the microphones, which will be available at reception.

The processed signal is fed to a limiter/compressor which as a compressor reduces input pulse above a certain level to one-third or one -fifth of their nominal output value & as a limiter restricts the maximum output level to a preadjustable threshold level. These functions are selectable. Bypass switch is also available. To drive a long line between console & amplifier rack, a line amplifier is provided. A dong-tone PCB gives a Call alert tone prior to the announcement. Master fader and DC power supply units are also available in the control desk. The processed signal is now fed to an amplifier rack which houses the following:

- (a) The line amplifier (minimum 500 watts)
- (b) Monitoring facility
- (c) DC Power Supply units(one working + one standby)
- (d) CD player.

The above specifications and design criteria are for guidance only, however if the manufacturer is offering better system, the same can also be accepted with the prior approval of Engineer-in-Charge at no extra cost. The design of PA equipment/system is scope of this subhead and contractor has to submit the details of PA equipment/system as per the requirement of this block for approval.

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### 3.00 LIST OF APPROVED MANUFACTURERS

1. Nurses Call Bell System
  - Veekay Control Devices
  - Wipro Engineers
  - Sachdeva Trading Corporation
  - As approved by HSCC.