

**GOVERNMENT OF INDIA  
MINISTRY OF EXTERNAL AFFAIRS**

**AMEDMENT-4**

**Dated: 13.01.2011**

**Subject:** Supply, Installation, Testing & Commissioning of Medical Equipments for 200 Bedded **Nepal- Bharat Maitri Emergency and Trauma Centre (NBMETC) Kathmandu, Nepal.**

**IFB Reference:** HSCC/PUR/NEPAL/2010/A dated 02/12/2010

**Technical Clarifications**

**Technical Queries of the Prospective Bidders during the Pre- Bid Meeting held on 29.12.2010 at 10.00 am** for the Procurement of Medical Equipments for 200 bedded Emergency and Trauma Hospital at Kathmandu, Nepal along with reply to the queries:

<b>S. No.</b>	<b>Technical Query of the Prospective Bidders</b>	<b>Reply to the Queries</b>
<b>Item No. 26 - CT Scan (16 slice)</b>		
1.	<p>Technical Specification Point # 3: X-Ray Tube</p> <p>(a) Current: 10-400 mA or more Our latest model provides tube current range 20-345 mA with more than 5000 installations worldwide. We request you to kindly change it accordingly, enabling us to participate. Tender document from Govt. of NCT Delhi is appended for your reference, whereby tube current 300 mA or more is required.</p> <p>(b) Voltage: 80-140 KV The major manufacturer's of the CT Scanners provides a voltage range up to 130 Kv, 135 kV and 140 kV. In view of wider participation we request a change this specification to "Voltage: 80-130 kV or more". Tender document from Govt of NCT Delhi is appended for your reference, whereby tube voltage '120 kV or more' is required.</p>	<p>(a) No Change</p> <p>(b) Voltage range to be read as 90-140 kV instead of 80-140 kV.</p>
2.	<p>Technical specification point # 34: Dedicated ISDN connection with remote diagnostic and communication (in site preparation) to assist system maintenance and for academic use. Also a dedicated telephone line (with ISD/STD) with modem for remote diagnostics and the firm will pay for all the bills for both ISDN and ISD/STD line for 10-year period.</p> <p><b>Bill of ISDN line need to be paid by supplier for a</b></p>	<p>Should be paid by the supplier for the duration of warranty &amp; paid AMC. As this line is for use exclusively by the supplier, the bill amount in entirety should be his liability.</p>

	<b>period of 10 years or during warranty only? Will there be any upper limit for the annual bill amount? Request clarification.</b>	
3.	<p>Technical specification: Terms and conditions: clause a (Page 105): The equipment should be under comprehensive warranty for a period of 24 months from the date of handing over the fully functional unit to the Institute.</p> <p>As per clause 20 of SCC and 26.2 of GCC, comprehensive warranty is for 36 months and CAMC for subsequent 3 years.</p> <p><b>Please clarify total duration of warranty and subsequent comprehensive maintenance contract.</b></p>	<p>The prospective bidders were advised to refer to the SCC Clause 22 at page 39 of the Tender document which states as under: “The warranty will be governed by the clause 26 of GCC read with clause 20 of SCC of the Bidding Document, unless until specifically specified in the technical specifications. Wherever there is specific mention of Warranty in the technical specifications the same will prevail.”</p>
4.	<p>Technical specifications: Terms and conditions: clause d (Page 105) The necessary civil, electrical, air- conditioning work will have to be undertaken by the vendor after obtaining prior approval of the plans from the designated authorities along with its maintenance and operation for 10 years with manpower for uninterrupted operation.</p> <p><b>Scope of turnkey not clearly defined, like total area of the site, schedule of finishes of wall, floor, etc, schedule of furniture. Further Maintenance and operation with manpower for uninterrupted operation to be provided for specifically 10 years or for the period to cover warranty/ CAMC.</b></p>	<p>Turnkey details can only be finalized after onsite inspection &amp; assessment of local needs. Manpower for operation of equipment during warranty has to be the responsibility of the local host in this case (the hospital in Nepal). Supplier will be responsible for servicing of the equipment.</p> <p>Moreover, Bidders must refer Clause 10 of SCC.</p>
5.	<p>(3) (b) Voltage: 80-140 kV request to change to 90-140 kV.</p> <p>(15) (a) Console: Request you to give details of work station/ viewing console &amp; the software’s required for the same.</p> <p>(22) Perfusion CT: Please provide us with the clarity whether you want <b>Head</b> or <b>Body</b> or <b>Both</b>.</p> <p>(23) Coronary Angiography: Since your tender specs. is for 16 Slice CT, which is not much capable of doing the coronary angiography. Therefore request you to delete the same or give the clarity on the same.</p>	<p>(3) (b): Voltage range to be read as 90-140 kV instead of 80-140 kV.</p> <p>(15) (a): No change</p> <p>(22): No Change</p> <p>(23): No Change</p>
<b>Item No. 27- MRI 1.5 T</b>		
1.	<p>Technical specifications point 16 (a): Warranty Period (page no. 115): The equipment should be given warranty for a period of 60 months from the date of handing over the fully functional unit of all coils and the accessories</p>	<p>The prospective bidders were advised to refer to the SCC Clause 22 at page 39 of the Tender document which states as under: “The warranty will be governed by</p>

	<p>supplied.</p> <p>As per clause 20 of SCC and 26.2 of GCC, comprehensive warranty is for 36 months and CAMC for subsequent 3 years.</p> <p><b>Please clarify total duration of warranty and subsequent comprehensive maintenance contract.</b></p>	<p>the clause 26 of GCC read with clause 20 of SCC of the Bidding Document, unless until specifically specified in the technical specifications. Wherever there is specific mention of Warranty in the technical specifications the same will prevail.”</p>
2.	<p>Technical specifications point 17: POST WARRANTY ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC): The post-warranty (after 5 years) CMC should be comprehensive and should include helium and cold head (repair and 1 or replacement) + labor + spares for the complete system which includes all the accessories supplied such as UPS, Generator, AC, etc. with 24 hr. manpower for operation (consumables included) and maintenance or another 5 years.</p> <p>As per clause 20 of SCC- Supplier/ Manufacturer should provide 3 years full onsite comprehensive warranty with spares and 3 years Annual Maintenance Contract (AMC) (with spares) for the 4<sup>th</sup>, 5<sup>th</sup> &amp; 6<sup>th</sup> year after expiry of initial three years satisfactory comprehensive warranty with spares.</p> <p><b>Please clarify total duration of warranty and subsequent comprehensive maintenance contract.</b></p>	<p>The prospective bidders were advised to refer to the SCC Clause 22 at page 39 of the Tender document which states as under: “The warranty will be governed by the clause 26 of GCC read with clause 20 of SCC of the Bidding Document, unless until specifically specified in the technical specifications. Wherever there is specific mention of Warranty in the technical specifications the same will prevail.”</p>
3.	<p>We kindly request you to amend this dedicated call for Head, neck, spine or a single coil Assembly for Head, Neck and spine should be quoted as there is a duplication of call in the given specifications since the SI. No. 6.4 asks for the Head and Neck coil for Neurovascular applications and SI. No. 6.5 asks for a spine array coil for head to spine imaging in one go.</p>	<p>RF Coils: A dedicated head Coil is required, as most applications of brain MR, including Gamma Knife, requires a dedicated Head coil. This is the requirement. If the vendor gives a neck coil that cannot be combined with the Head coil, then they can give instead a Neurovascular coil which can be used for neck applications or combined Head and Neck applications. Our requirement is for a dedicated spine array coil.</p>
4.	<p>Our systems do not offer a specific peripheral Angio coil since the same can be done with our body coil. We therefore request you to either remove this coil or state “suitable coil for Peripheral Angiography”</p>	<p>With regard to Peripheral angio coil, the vendor can mention that it can be done using Body coil, if a separate coil is not required for this application.</p>

5.	<p>An additional independent workstation capable of all post processing capabilities like MIP / MPR. Surface reconstruction, spectral analysis, cardiac evaluation etc should be provided.</p> <p>We seek for this change because only one manufacturer has the concept of satellite console swappable with main console hindering wider participation and on the other hand, satellite console which shares resources with main console limits the productivity of the console/workstation.</p>	<p>The additional satellite console should have identical hardware configuration (instead of swappable) of the main console, so that it can be used in case of failure of the main console for a longer duration.</p>
6.	<p>We kindly request you to clarify this software. (Optimized sequence package for special applications. *2D/3D/imaging/dynamic imaging for Gamma- knife and X – knife (with head frames) for minimizing image distortion.)</p>	<p>The vendor should provide necessary sequences that may be available for Gamma-knife and X-knife imaging.</p>
7.	<p>No specifications have been provided for all the turnkey requirements of the tender for various equipments. In order to have a comparable and equitable platform</p> <ol style="list-style-type: none"> <li>1. Area of turnkey</li> <li>2. Schedule of Finishes</li> <li>3. Quantum and type of air conditioning would be required.</li> </ol>	<p>Please refer SCC clause 10</p>
8.	<p>Crisis Management clause of the tender should be removed since no equipment manufacturer would be able to arrange clinical services, which come under medico – legal liabilities.</p>	<p>No Change</p>
8.	<p>Gradient system  Minimum gradient strength of 40mT/m (with minimum rise time) and a slew rate of at least 150T/m/s for each of the axis.  Please clarify whether Gradient strength and slew rate are interrelated or independent because the highest gradient we have as under:  <u><b>Nova Dual HP Gradient</b></u> has gradient strength of 66 m/T/m with a slew rate of 90T/m/s or 33m/T/m with a slew rate of 180 T/m/s. Therefore we qualify in the tender if they are independent to each other or please change the gradient strength to 33 mT/m</p>	<p>Gradient system: The tender specification is clear in that the “minimum gradient strength should be 40mT/m and a slew rate of 150 T/m/s”.</p>
9	<p>This should be swappable with the measurement console. Please delete this as this matches to one specific vendor.</p>	<p>The additional satellite console should have identical hardware configuration (instead of swappable) of the main console, so that it can be used in case of failure of the main console for a longer duration.</p>

<b>Item No. 28</b>	<b>SINGLE PLANE DIGITAL SUBTRACTION ANGIOGRAPHY AND INTERVENTIONAL LAB.</b>	
1.	<p>Technical Specification # A.44 : (Page 119) The vertical movement of the C - arm should be motorized.</p> <p><b>It should be deleted.</b> It would not be possible since the equipments offered would be either fixed / ceiling/floor mounted, C –Arm or G- Arm</p>	Deleted.
2.	<p>Technical Specification #A.9 (Page 119) There should be a push button handle for release of brakes.</p> <p><b>Please clarify for which part of the system; the push button handle would be required for release of brakes.</b></p>	The C – Arm.
3.	<p>Technical Specification # D.4 (Page 120) Maximum Heat dissipation – At least 3 KW or more per minute. We have maximum Heat Dissipation of 2.9KW with our latest platform available. We request that the same may please be changed to “<b>Maximum Heat dissipation – At least 2.8KW or more</b>”</p>	This will be a minor change, not likely to affect the system performance.
4.	<p>Technical Specification : Terms and conditions #1 : (Page 122) After sales and service: two years comprehensive onsite warranty of entire system (Spares and labour) including X – ray tube and all accessories, including civil, electrical and air – conditioning work. This will be followed by 3 years AMC.</p> <p>As per clause 20 of SCC – Supplier /manufacturer should provide 3 years full onsite comprehensive warranty with spares and 3 years Annual Maintenance Contract (AMC) (With spares) for the 4<sup>th</sup>, 5<sup>th</sup> &amp; 6<sup>th</sup> year after expiry of initial three years satisfactory comprehensive warranty with spares.</p> <p><b>Please clarify total duration of warranty and subsequent comprehensive maintenance contract.</b></p>	The prospective bidders were advised to refer to the SCC Clause 22 at page 39 of the Tender document which states as under: “The warranty will be governed by the clause 26 of GCC read with clause 20 of SCC of the Bidding Document, unless until specifically specified in the technical specifications. Wherever there is specific mention of Warranty in the technical specifications the same will prevail.”
5.	Please confirm that there is no turnkey site preparation involved for this equipment, as the same is not mentioned in the bid document.	Please refer SCC Clause 10.
6.	<p><b>Essential accessories:</b> Please replace the item no. 5 &amp; 6 with “<u>UPS</u>” for the full system as this is the life saving instrument and</p>	<b>No Change</b>

	hence cannot be run without power even for a second.	
<b>Item NO. 92</b>	<b>Anesthesia Workstation (O.T)</b>	
	In the Technical Specifications you have asked that the machine should provide electro gas mixing in place of mechanical AHD. Please amend the same by <b>mechanical AHD not electronic</b> .	<b>No Change:</b> The defect mentioned pertains to manufacturing defect in a particular batch & specific models of these machines and not the technology. So the remarks made by the firm is not correct. It is implicit in the documents provided by them. Mechanical mixing is a fading technology and we should not be buying a technology which will not last for next ten years.
<b>Item No.</b>	<b>Multichannel Automated Chemistry Analyzer</b>	
	Request for amending following points mentioned in the specifications: 1. <b>Throughput:</b> 800 more test/hr (photometric) and 1200 test with ISE. 2. <b>Sampler:</b> 120 and more positions. 3. <b>Reagent Volume :</b> Minimum (180-380 µl, minimum 2 reagent chemistry should be possible) 4. <b>Printer :</b> external printer 5. <b>Sampler:</b> 140 & more positions.	<b>No Change:</b> The Number of sample in position (Point 15) and throughput (Point 6) has been made accordingly the requirement of the user.
<b>Item No. 24</b>	<b>500mA X – Ray with Motorized Table</b>	
1.	<b>X – ray tube:</b> 2 Nos. 30/50 kw – request to amend the same to 27/50 kw	<b>X – ray tube:</b> 2 Nos. 27/75 kW
2.	<b>Table :</b> Grid ratio of 10:1 – request you to change it to 8:1	No Change
3.	Request for including other ratings of tube.	<b>X – ray tube:</b> 2 Nos. 27/75 kW

The Tender Document is amended/ clarified to the extent of Amendment-1, Amendment-2, Amendment-3 and Amendment-4. All other terms and conditions remain unchanged. Replies to Commercial Queries of Pre-Bid meeting dated 29.12.2010 have already been uploaded separately as Amendment-3 dated 13.01.2011.

All subsequent updates, amendments, corrigendum's etc related to this tender will only appear on websites [www.hscltd.co.in](http://www.hscltd.co.in) / [www.mea.gov.in](http://www.mea.gov.in) .

**Joint Secretary (North)**

**Ministry of External Affairs  
Govt. of India**