

All-India Institute of Medical Sciences
Ansari Nagar, New Delhi-29.
(RESEARCH SECTION)

Ref. No.01/Stores/Ortho/BG/2015-16/RS

Dated: 19.05.2015

Subject: Purchase of Image to 3D reconstruction software, for the Department of Orthopedics, at AIIMS, New Delhi-29 on proprietary basis- Inviting comments thereon.

The request has been received from Dr. Bhavuk Garg, Deptt. of Orthopedics, AIIMS to purchase the subject item from M/s Materialise NV, Malaysia on proprietary basis. The proposal submitted by M/s Materialise NV, Malaysia, and PAC certifications are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference **No. 01/Stores/Ortho/BG/2015-16/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before **03/06/2015 upto 12:30 p.m.**, failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

STORES OFFICER (RS)

Encl: Related documents enclosed.

1. PAC Certificate enclosed.
2. Specification of equipment.

Computer facility: with request for uploading the same in AIIMS websites for the period of 15 days.

Contentprovider.aiims@gmail.com

SPECIFICATIONS

Software requirements:

- 1) Input format shall be CT (DICOM format)/ MRI image.
- 2) Segmentation of soft tissues muscles and bones.
- 3) Easily and quickly create accurate 3D models from imaging data segmentation.
- 4) Design and dimensioning of the solid models and export as a solid to IGES or STEP format while keeping the file size small. Export the most complex geometries to any additive manufacturing machine. STL file for more than 200 images DICOM should be < 100MB.
- 5) Mesh generation and FEA analysis to evaluate the design. Software should have feature for meshing and geometry optimization with utmost accuracy. Have a feature for importing to any FEA package.
- 6) Have a feature for stimulating Surgical Planning.

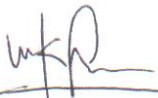
PROPRIETARY CERTIFICATE

This is to certify that we, M/s, Materialise NV, with Corporate Headquarters at Technologielaan 15, Leuven, Belgium are the original manufacturer/developers of the "Mimics & 3-matic software" and all modules pertaining to the software.

As proprietary software manufactures, we hold all the legal rights for development, modification, enhancement, marketing and sales worldwide.

This software and all the modules pertaining it are exclusive and unique to Materialise NV, and are not available with any software manufacturer in the world.

For Materialise NV,



Vickneswaran Rengana
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