

# INDIAN INSTITUTE OF TECHNOLOGY-KANPUR

## (DEPARTMENT OF MECHANICAL ENGINEERING)

Subject: Request for Uploading the Tender Document on institute web site.

Enquiry NO: PM/NET-ME/2013-2014-04 closing date: 25th September 2013

Through: Head, Mechanical Engineering

### Name of Item:

**Sealed quotations are invited by the undersigned for "Upgrading of Scanner Software -3D Analysis of our Existing Machine "PROCON XRAY" The software should be capable to do the following analysis.**

Scaling, calibration, conversion, re-sampling, Image enhancement, comprehensive filtering and convolution, Fourier frequency transforms Image alignment, registration, arithmetic, correlation, fusion Thresholding and auto-segmentation, object separation, automatic labeling, Morphological processing including watershed, basins, 3D surface reconstruction and tetrahedral grid generation, Skeletonization, Intuitive and high-performance 3D interaction, Direct volume visualization, Automatic or interactive segmentation, 3D geometry reconstruction, 3D registration, warping, comparison mapping, Orthogonal, oblique, cylindrical, and curved slicing, Support for crystallography and molecular data, Automatic individual feature measurements, 3D localization, and spreadsheet selection, Over 70 built-in measurements, including number counts, volumes, areas, perimeters, aspect ratios, and orientations Flexible workflow, automation, TCL scripting for interactive or batch routine tasks, Export spreadsheets, 3D models, images, and movies, 3D image-based meshing for Finite Element and CFD simulations Porosity/pore connectivity analysis and Skeletonization for Pore Network Modeling

1. Payment: As IITK standard terms.
2. Taxes: as applicable
3. Delivery: earliest possible time
4. Validity of quotation: 60 days.
5. Inspection: to be carried out at our place.
6. Please attach proprietary certificate if it is applicable.
7. Provision of Onsite Training.
8. Warranty one year.

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