



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.**

Ref. PR No. 1000052535

RFx. No. 6100002701

Item Description - MySegmenter Software and Software Development Services

| Sr. No | Item Description | Detailed Technical Specification | Technical Compliance (Yes / No) | Additional Information (if any) |
|--------|-----------------------------|--|---------------------------------|---------------------------------|
| 1. | MySegmenter Software | <p style="text-align: center;">Supported Imaging Data</p> <ul style="list-style-type: none"> a) CT b) CBCT c) MRI d) Standard DICOM format | | |
| | | <p style="text-align: center;">Core Feature Categories</p> <p style="text-align: center;">A. DICOM Tools</p> <ul style="list-style-type: none"> a) Import DICOM Volume - Import CT / CBCT / MRI DICOM series b) DICOM Viewer - 2D visualization with axial, coronal, sagittal views c) Slice Navigation - Scroll, zoom, pan across slices d) Window / Level Control - Contrast and brightness adjustment e) DICOM Series Management - Handle metadata, orientation, spacing f) Export Segment to DICOM - Export segmentation masks back to DICOM | | |
| | | <p style="text-align: center;">B. Segmentation Tools</p> <ul style="list-style-type: none"> a) Segment Creation - Create and | | |

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| <ul style="list-style-type: none"> manage anatomical segments b) Contour Edit - Manual slice-by-slice contour editing c) Segment Refinement - Improve segmentation accuracy d) Segment Visibility Control - Show, hide, lock, unlock segments e) Convert Model to Segment - Convert STL models into segmentation masks f) Multi-Structure Segmentation - Support for multiple anatomical regions | | |
| <p>C. 3D Tools & Visualization</p> <ul style="list-style-type: none"> a) 3D Tab - Interactive 3D visualization of anatomy b) 3D Object Tab - Manage and edit generated 3D objects c) Surface Registration - Align models with reference anatomy d) Transform Model - Translate, rotate, and scale 3D models e) Volume Rendering - Advanced volumetric visualization f) View Controls - Zoom, rotate, pan, opacity control | | |
| <p>D. Measurement & Annotation</p> <ul style="list-style-type: none"> a) Measurement Tools - Distance, angle, and dimensional measurements b) Annotation - Text labels and markers c) 2D & 3D Measurement - Measurement in both 2D and 3D views d) Export STL - Export segmented anatomy as STL e) Export Segment to DICOM - DICOM export f) Export Video - Record 3D | | |

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| | | visualization videos | | |
| | | E. Export & Output a) Export STL - Export segmented anatomy as STL b) Export Segment to DICOM - DICOM export c) Export Video - Record 3D visualization videos | | |
| | | F. Settings & Utilities a) Application Settings - UI and workflow configuration b) DICOM Settings - Import and display preferences c) Shortcut Keys - Customizable keyboard shortcuts d) Logs & Diagnostics - System logs for troubleshooting | | |
| 2 | | Software Development Services additional for 5 years. a) The scope includes continued software development and support services for an additional period of five (5) years, covering: b) 24x7 technical support c) Regular software upgrades and updates | | |

Terms and Conditions –

1. Training & documentation -

- a) The supplier shall provide comprehensive hands-on training to all engineers' post- installation. Training must Cover all core functionalities of the software.
- b) Onboarding documentation and three sets of user manuals (in English) must be supplied with the software.

2. Installation & delivery -

- a) The supplier shall be responsible for the complete installation of the software.
- b) The license key must be delivered within one (1) week from the date of the purchase order.

3. Warranty & support –

- a) Technical support for a period of Ten (10) years must also be provided, covering troubleshooting, maintenance.

4. Extended support -

- a) Perpetual research license support must be ensured for a period of Ten (10) years.

5. Payment Terms and Condition –

- a) 100% payment shall be made within 30 days by ICICI Foundation on behalf of IIT Bombay after successful delivery and installation at the specified location.