



TDB-DST supports Development and Commercialisation of Indigenous 32-Slice CT Scanner by Panacea Medical Technologies Pvt. Ltd.

Posted On: 15 OCT 2026 5:29PM by PIB Delhi

Strengthening India's indigenous medical device manufacturing capabilities under the Government of India's *Make in India* initiative, the Technology Development Board (TDB), Department of Science & Technology (DST), Government of India, has signed an agreement with Panacea Medical Technologies Pvt. Ltd., Malur, Karnataka, to support the development and commercialisation of an indigenous 32-slice Computed Tomography (CT) Scanner.

Panacea Medical Technologies, an Indian medical device manufacturer specialising in radiotherapy and radiology, has established capabilities in developing advanced technologies, processes, modules and products for medical imaging and cancer treatment. Building on its expertise in high-precision imaging, the company has undertaken the development of a diagnostic CT scanner to expand its portfolio into advanced diagnostic imaging.

The project envisages the design, development and deployment of a 32-slice CT scanner for diagnostic imaging across various clinical disciplines. CT scanners use rotating X-ray systems and digital detectors to capture cross-sectional images, which are reconstructed through computer algorithms to generate detailed images of internal body structures. Their development requires precise engineering, integration of imaging components and rigorous calibration to ensure imaging accuracy and patient safety.

India's diagnostic imaging sector is witnessing growing demand for advanced technologies, driven by expanding healthcare infrastructure, the rising burden of chronic diseases and the need for timely and accurate diagnosis. Indigenous development of high-end medical equipment can contribute to strengthening domestic manufacturing capabilities and reducing dependence on imported technologies.

The Government of India has identified medical devices as a priority sector under the *Make in India* initiative. Through its support for indigenous technology development, TDB seeks to enable Indian enterprises to develop advanced medical technologies, strengthen domestic manufacturing and improve access to healthcare equipment.

Shri Rajesh Kumar Pathak, Secretary, TDB, said, *"The development of an indigenous CT scanner aligns with the Government of India's vision of strengthening domestic manufacturing of high-end medical devices under the Make in India initiative. TDB's support aims to encourage medical technology companies to develop innovative indigenous solutions that can address the country's healthcare requirements while creating opportunities for wider adoption in global markets. Such initiatives can contribute to building India's capabilities as a manufacturer of advanced medical equipment."*

Promoter of Panacea Medical Technologies Pvt. Ltd., said, *"We express our sincere gratitude to the Technology Development Board for its pivotal support. This collaboration will accelerate our efforts to develop indigenous diagnostic imaging technology and contribute to making advanced CT imaging more accessible across India."*



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(Release ID: 2323953) Visitor Counter : 159

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