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# Govt invests Rs 4.87 Cr in high-powered magnetron tech for cancer radiation therapy

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**India set to become the third country, after England & Japan, to indigenously manufacture high powered magnetron essential to Medical Linear Accelerators: Dr Jitendra Singh**



Union Minister of State (Independent Charge) Ministry of Science and Technology; Minister of State (Independent Charge) Ministry of Earth Science; MoS of Prime Minister's Office and Ministry of Personnel, Public Grievances & Pensions, Atomic Energy and Space, Dr Jitendra Singh has said that the government is supporting indigenous development of high-powered Magnetron technology used mainly for cancer radiation therapy.

Dr Jitendra Singh presided over the signing of a MoU between Technology Development Board (TDB) of DST and Panacea Medical Technologies, Bangalore to provide financial support for development and commercialisation of “S Band Tunable Magnetron for Particle Accelerators".

TDB has agreed to provide loan assistance of Rs 4.87 crore, out of the total project cost of Rs 9.73 crores to the company.

"High-powered Magnetron developed by CSIR-CEERI (Central Electronics Engineering Research Institute), Pilani for commercial use will be a pathbreaking technology for oncologists to treat even 2 mm diameter brain tumour with precision radiation with very little side-effects", said the Minister.