



सीएसआईआर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान
पालमपुर – 176 061 (हि.प्र.)
CSIR-Institute of Himalayan Bioresource
Technology Palampur – 176 061 (H.P.)



**CSIR-IHBT invites Expression of Interest (EOI)
for**

“Production of mitochondrial superoxide dismutase (mSOD) enzyme”

CSIR-IHBT invites expression of interest (EOI) from interested parties from Industries / SMEs / Progressive Entrepreneurs for licensing technology for Process technology for production of a mitochondrial superoxide dismutase (mSOD) having a very high level of thermal-stability. The recombinant enzyme exhibited a specific activity of 1015.54 ± 14.6 units/mg of protein at its temperature optima of 4 °C and is highly resistant towards thermal inactivation [half-life of thermal inactivation ($t_{1/2}$) at 70 °C = 176.33 ± 15.7 min]. The enzyme was also unusually stable towards various denaturation agents such as urea and guanidine hydrochloride. Owing to its antioxidant potential, the enzyme finds applications in food, pharmaceutical and cosmetic industry.

The application should include details of company profile and marketing strategies. The selected parties shall be called for discussions.

Interested parties may send their Expression of Interest in a sealed cover superscripting “Expression of Interest” addressed to

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