



Natural Fiber from Pine needles



The Technology

- Provides a practical solution for utilization of fallen pine needles, a major cause of forest fire.
- Process of isolation of the natural fiber from the needles is simple, cost-effective, energy efficient, resource friendly and adoptable by local people.
- The fiber obtained is aesthetic with cream yellow color having length upto 20 cm with reasonable bundle strength and good water absorption ability.

Products: Handloom cloth, jackets, coat, purse, wall curtains, lamp shades, coaster, sleeper, mats, carpets, ropes.

Cost for isolation of fiber

Rs. 70-110 per kg depending upon the fineness of the fibre

Beneficiaries of the Technology

- State Forest Departments of Himalayan region
- NGOs and Women Self Help Groups (SHGs)
- Handicrafts manufacturers

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चीड़ की पत्तियाँ
Pine needles



चीड़ का रेशा
Pine fibre

चीड़ के रेशे से बने उत्पाद
Products from pine fibre



काता गया रेशा
Woven fibre



योगा चप्पल
Yoga chappal



हथकरघा उत्पाद
Handloom products



चीड़ के रेशे से बनी रस्सी
Rope from Pinus fibre



Head
Chemistry & Bioprospecting Division
Forest Research Institute, Dehradun
Phone: +91135 2224207 Fax: +911352756865
Email: head_chemistry@icfre.org

Forest Research Institute, P.O.- New Forest, Dehradun – 248006