



उन्नत भारत अभियान
UNNAT BHARAT ABHIYAN

Meeting of Participatory Institutions for evaluation of Technical Projects in adopted villages

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Technology Demonstration Proposal for the Extraction and Application of Eucalyptus leaves

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Objective of technology

- Eucalyptus oil has wide application for alleviating pain associated with arthritis , gout, inflammation, edema and other various types of musculoskeletal pain.
- It has a wide range of market in India. specially for chronic pain not curable by analgesics.
- Bistupur is a village with large number of eucalyptus trees.

Objective of technology

- The area has a potential for providing abundant amount of eucalyptus leaves which can be utilised for the production of eucalyptus oil.
- The population of the village is suffering from large scale unemployment and also the social common community works is suffering.
- Our idea is to develop a process to generate a few employment in the village along with upgradation of common community works in the village.

Plan of Work

- Five people from the village will be employed to collect and gather fresh eucalyptus leaves from the surrounding areas.
- The leaves will be supplied to the institute by two different people from the same village.
- After that fresh leaves will be washed with clean water.
- Aqueous extract of leaves will be done by soxhlation process.

Plan of Work – Continued...

- Distillation of the extract will be carried out for purification , isolation of volatile oil of the eucalyptus leaves.
- Pure eucalyptus oil then packed and sealed in 250 ml and 500 ml container.
- selected faculties along with College students will be in charge of marketing and selling of product.

Benefit to Villages

- It is expected to get approx. 150 ml of crude oil extract from each kg of leaves.
- 100 kgs of leaves can be gathered and extracted monthly.
- The entire profit of the process will be utilised for the development and social activities of the village.

Benefit to College

- Maximum peoples are uneducated of this village. Through this project there will be an interaction between college and villagers.
- Students will be benefited by involving with this project.
- Students will be aware about the social responsibilities.
- Social responsibility framework of the college will be benefitted by successfully running of this project.

Time line of project

Title	Time
Pilot Batch production	6 months
Preliminary market study	3 months
Maketting	2 months
Total	11 months

Note: It's a continuous process, so after successfully establishment of this project, continuous production will go on.

