



कयर बोर्ड COIR BOARD

सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय, (भारत सरकार)
Ministry of Micro, Small and Medium Enterprises,
(Government of India)

केन्द्रीय कयर अनुसंधान संस्थान
CENTRAL COIR RESEARCH INSTITUTE

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CCRI/Res/EoI/3/2/2017-18

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Central Coir Research Institute (Coir Board), Ministry of MSME, Government of India invites Expression of Interest from interested educational Institutions, research organizations and experienced plant installation engineers for the design and specification for the installation of proposed Pilot Plant Machinery and control systems for the Extraction of Sodium Lignosulphonate from Coir pith.

Salient features of the Pilot Plant

- ❖ The Pilot Plant should be fully electronically controlled for production of a minimum quantity of 50Kg of Sodium Lignosulphonate per day.
- ❖ The plant should be designed for the extraction of lignosulphonate from coir pith with bulk density of 0.17g/cc, high moisture retention capacity 600-700%.
- ❖ The plant should be designed for the extraction of lignosulphonates from coir pith by the sulphite process.
- ❖ The extraction should be under controlled conditions of temperature, pressure, pH and agitation.
- ❖ The plant design should consist of suitable mechanism for the complete extraction of the lignosulphonates by suitable means of filtration and distillation.
- ❖ The plant should be designed to avoid effluent generation and support maximum solvent recovery.
- ❖ The plant should be designed to include an efficient drying mechanism to obtain dry sodium lignosulphonate.
- ❖ Other parameters to be included are acid/alkali resistant pipe lines and vessels, Pressure valves, Electrical accessories, less maintenance, minimum labor content and continuous trouble free running.
- ❖ Based on the accepted design specifications, tenders will be invited for the installation of the pilot plant machinery.
- ❖ The selected applicant should coordinate with Coir Board for the preparation of tender specifications and successful installation of pilot plant.

- ❖ The selected applicant will be responsible for ensuring the efficient running of the pilot plant installed as per their specifications.

Expression of Interest in a sealed cover along with the covering letter duly signed by an authorized signatory on or before **18.06.2018** to the following address: **Director, RDTE, CCRI, Kalavoor, Alappuzha, Ph.0477-2258933, 2258094**. For further clarifications regarding the extraction process you may contact the Director, RDTE, CCRI, in the above address or by e-mail: ccrikalavoor@gmail.com, ccri.coirboard@gmail.com.


DIRECTOR, RDTE