

## **Progress Report of R&D Projects**

**Project Title:** Utilization of Jute Sticks & Jute Waste for Extraction of Value added Chemicals for Industrial uses

**Start Date:** 06-04-2016

**Duration:** 18 Months

**Project Team:** Dr. Sandip Bose (PI), Mr. A.C. Deka, Mr. A.R. Dewan, Mrs. S. Chatterjee and Dr. S. K. Chakrabarti

### **Activities carried out so far as on 31st May, 2016**

#### **Administrative**

- a) Research Associate has been recruited and will join in the project activity w.e.f 01.06.2016
- b) Purchase process of Capex items has been continuing

#### **R&D**

- a) Literature review is continuing
- b) Laboratory experiments on extraction of lignin from jute sticks and jute fibre waste is in progress.

#### **Proposed activities for next three months**

- a) Procurement of Capex items and installation of machinery – Target date: 1.8.2016
- b) Extraction of Lignin and ligno-sulphonate from Jute stick/waste – Target date: 30.8.2016
- c) Hydrolysis and fermentation of Hollocellulose of jute by microbes into alcohol- Target date: 30.8.2016

## **Activities carried out so far as on 20<sup>th</sup> April, 2016**

Laboratory level works are going on for extraction of lignin from jute sticks and fibre waste. The processes for procurement of CAPEX items and recruitment of man power under the project have been initiated.