

# A COMPARATIVE ECONOMIC STUDY ON PRODUCTION OF GREEN AND FIBRE JUTE IN AN AREA OF PABNA DISTRICT

**Major Professor: Dr. S.M. Fakhru Islam**

Research Supervisor: Dr. Rezaul Karim Talukder

Author Name: Md. Rezaul Karim

Reg. No.: 93-08-189

Defense Term: Autumn, 1996

## ABSTRACT

The study was conducted in four consecutive villages of Dashuria Union of bhurdi thana under Pabna district of Bangladesh. The study was undertaken to examine the economic performance of White, Tossa and Mesta types of green jute. Tabular technique, statistical test (t-test) as well as some functional input-output analyses were made in this thesis. Thirty three farmers were selected who sold both green jute and fibre jute of White, Tossa and Mesta types following purposive random sampling technique from a population of 391 jute farms. Cost and returns of both fibre and green jute for every type of jute were estimated separately. It was found that per hectare costs of white, Tossa and Mesta green jute were Tk. 16502.66, Tk. 17477.74 and Tk. 11390.39 on full cost basis. On the cash cost basis, these were Tk. 10182.61, Tk. 11133.74 and Tk. 6752.59 respectively. The gross returns were estimated at Tk. 22373.61, Tk. 20548.90 and Tk. 13354.10 and the UK returns were Tk. 5870.95, Tk. 3071.16 and Tk. 1963.71 on full cost basis respectively. The net returns on cash cost basis were Tk. 12191.00, Tk. 9415.16 and Tk. 6601.51 for White, Tossa and Mesta types of green jute. Further, it was found that, the farmers received the price Tk. 643.00/ton, Tk. 670.00/ton and Tk. 589.00/ton for White, Tossa and Mesta types of green jute though the procurement price was Tk. 804/ton. In comparison between green and fibre jute, all the types of green jute farmers incurred loss. The highest loss was found in Tossa green jute followed by Mesta green jute. For White green jute, losses were Tk. 1188.09/ha and Tk. 1179.86/ha on full and cash cost basis and were statistically insignificant. In fact, by considering procurement price, the farmers were deprived from an income of Tk. 4409.49/ha and Tk. 4417.72/ha on full and cash cost basis. In case of Tossa green jute, the farmers incurred statistically significant losses to the extent of Tk. 10422.03/ha and Tk. 10430.99/ha on full and cash cost basis. Actually, these amounts were Tk. 6319.31/ha and Tk. 6328.77/ha on full and cash cost basis that means the farmers were deprived from an income amounting to Tk. 4102.72/ha as per procurement price. By selling Mesta green jute, the farmers incurred losses to the extent of Tk. 1405.75/ha and Tk. 1403.30/ha and were statistically insignificant. In fact, the farmers were deprived from an income Tk. 2461.62/ha and Tk. 2464.97/ha on full and cash cost basis from Mesta green jute according to the mill gate price.