

Project Title-15	Development of energy efficient twisting system for two for one twisters
Principal Investigator	P. Muthukumarasamy
Cost	Rs.27.47 lakhs
Date of commencement	July 2001
Duration	18 Months
Date of Completion	Dec 2002
Abstract	Two for one twisting has gained world wide acceptance in both spun yarn and filament yarn sectors mainly because of inherent advantages like production of long length of knot free yarns which facilitate the better performance in the subsequent process. But TFO method consumes about 3 times more energy/kg of doubled yarn production. Considering this aspect SITRA was developed energy efficient TFO spindle assembly for reducing the conversion cost in TFO twisting machines.
Highlights	SITRA TFO spindle assembly helps to conserve energy in energy TFO process to the tune of 50%
Area of applicability	Spinning Industries
Target beneficiaries	The study of findings were disseminated to SITRA member mills
Status	Completed
Name of Licences	(i) M/s Veejay Lakshmi Engineering Works Ltd Sengalipalayam, NGGO Colony Post, Coimbatore – 641 022 (ii) M/s Rambal Ltd 115, Edaiyankuppam Village, Thirukkazhu kundram Road, Thiruporur – 603 110