Annexure 7

Details of Projects Supported under Technopreneur Promotion Programme during the Year

COMPLETED PROJECTS

Sl. No.	Name of the project
2.1.1	Development of Herbal Products(Pure) and preparations for Diabetes and Heart diseases
2.1.2	Development of ROBOT for fire fighting, bomb disposal & life rescue 'ROFT'
2.1.3	Fabrication of a Portable X-ray Body Imaging Assembly
2.1.4	TARGET by Sol-Gel Technique
2.1.5	Catalytic Manufacture of Ace Anisole
2.1.6	Development of a Prototype for microfine pulverizing of red sandal wood
2.1.7	Development of DC MCBs for 5 KA, 130/220 V DC Fault level
2.1.8	Development of non-metallic conducting grid for lead acid storage batteries
2.1.9	Solid bio-mass fired furnace
2.1.10	Development of indigenous thermocycler for polymerase chain reaction(PCR)
2.1.11	Fabrication of a simple device for laboratory dialysis/distilling/purification of proteins
2.1.12	Design and development of mechatronic flyer frame for cotton spinning
2.1.13	Bus heating system using exhaust
2.1.14	To test & popularize the production of bio-control agent (predatory mite), Amblyscious sp. against coconut eriophid mite
2.1.15	Development of air-energised pressure cooker
2.1.16	ZADD clamping for the pressure cookers
2.1.17	"AKHLAQOON"-Auto-closure door for safety
2.1.18	To improve and popularize wheel plough and multi-seed drill
2.1.19	Improving the design of multi-purpose coconut harvester
2.1.20	To improve the keeping quality of the herbal pesticide formulation
2.1.21	Laser modem transceiver
2.1.22	Vanillin from DPN Alkali Lignin
2.1.23	Design improvement and testing of weed cutting-cum-inter-cultivator
2.1.24	Door clip for child safety
2.1.25	Quick & consistent coconut breaker

The projects at serial numbers 2.1.6 to 2.1.25 above were dealt by TIFAC

(Continued)

ON-GOING PROJECTS

Sl. No.	Name of the project
2.2.1	A demonstration plant for recovering Zinc metal from locally produced Industrial Wastes
2.2.2	Arecanut peeling machine
2.2.3	Stored Heat Cooker
2.2.4	Direct Current Transformer
2.2.5	Elliptical Machining Bed(EMB)
2.2.6	Prototype Development of the Energy Efficient Oil Expeller Machine
2.2.7	Everybody's Solar Water Heater
2.2.8	Water emulsification in fuel oil
2.2.9	Solar Water Harvestor
2.2.10	Anti-fungal principles of Alseodaphane species
2.2.11	Design improvement of Mangal Turbine
2.2.12	Synthesis of novel tetracyclic benzothiazepines as potential anti-inflammatory and anti-fungal agents
2.2.13	Building of one catamaran boat in ferro-cement for trial and demonstration
2.2.14	P&P dental implant systems
2.2.15	Micro-windmill generator
2.2.16	Alternative use of areca nut
2.2.17	Intrauterine distending system
2.2.18	Tamper proof electronic lock
2.2.19	Digital camera for fundus photography
2.2.20	Design improvement of the motorized cycle hoe
2.2.21	Banana Stem Injector
2.2.22	Buttonhole machine
2.2.23	Iron and steel melting by exothermic reaction
2.2.24	Production of grape flakes
2.2.25	Instrument for spectral analysis of communication channels at high frequency
2.2.26	Manually operated water pump
2.2.27	Isolation and manufacture of anti-feedants from seeds of Annona Squamosa(Sitaphal)
2.2.28	Mass production of novel metabolites from Alternaria sp. (LC#508) for use as eco-friendly agro-chemicals for weed management
2.2.29	Auto-distractor
2.2.30	Anti back roll device for cars(ABRDEC)
2.2.31	Prototyping of on-line Time Domain Instruments in industrial and agricultural materials

(Continued)

Sl. No.	Name of the project
2.2.32	Udder care kit for prevention of mastitis
2.2.33	Treatment of diarrhea in animals
2.2.34	Wound healing in animals
2.2.35	Treatment of bloat and flatulence in animals
2.2.36	Retention of placenta in animals
2.2.37	Treatment of blood pressure, arthritis and heart problems
2.2.38	Treatment of pests in cotton
2.2.39	On demand tankless water heater (Instant gas heater)
2.2.40	Automatic pump operator
2.2.41	Top loading bottom heating and fixed type solar cooker
2.2.42	Design and development of variable reluctance electric servo actuator
2.2.43	Mikshafut-Tareeq – A path detection device
2.2.44	Electronic tagging of book like objects
2.2.45	Improvement in performance of a gasoline engine by cooling of intake air through humidification

The projects at serial numbers 2.2.27 to 2.2.45 above were dealt by TIFAC

PROJECT PROPOSALS APPROVED DURING THE YEAR 2005-06

Sl. No.	Name of the project
2.3.1	Cut-off valve (dealt by DSIR)
2.3.2	Endodontic Instrument for root canal sterilization (dealt by DSIR)
2.3.3	Tissue engineering of porcine ureters for cardio-vascular use (dealt by DSIR)
2.3.4	Seamless Weaving Machine (dealt by DSIR)
2.3.5	Rotary variable compression ratio internal combustion engine (dealt by DSIR)
2.3.6	Device for lifting chassis of the vehicle(hydraulic) (dealt by TIFAC)
2.3.7	Performance evaluation of indigenous dialysis device(dealt by TIFAC)
2.3.8	Tamper-proof seal for disposable bottles and jars(dealt by TIFAC)
2.3.9	Design refinement of JS milker milking machine(dealt by TIFAC)