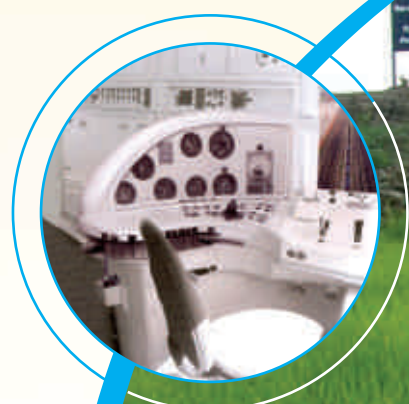




Ministry of Science & Technology



Annual Report 2006 – 07



TECHNOLOGY INFORMATION, FORECASTING & ASSESSMENT COUNCIL

T I F A C (Department of Science and Technology)

Annual Report 2006 – 07



TECHNOLOGY INFORMATION, FORECASTING & ASSESSMENT COUNCIL (TIFAC)

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C O N T E N T S

	Executive Summary	4
1.	Studies, Reports & Information Services	5
2.	Innovation Support Programmes	7
3.	Technology Development Programmes	12
4.	Umbrella Scheme on Technology Vision 2020 Projects in Mission Mode (TV2020)	19
5.	Other Activities	30
6.	Human Resources & Infrastructure Development	31
7.	National Mission on Bamboo Applications (NMBA)	32
8.	Auditor's Report Together with Audited Statement of Accounts	39

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Executive Summary

The Technology Information Forecasting & Assessment Council (TIFAC), is an autonomous society set up under the Department of Science & Technology in 1988, mandated to provide timely and relevant S&T inputs in socio-economic areas. As a unique knowledge networking institution, TIFAC has also been facilitating technology interventions for the key economic sectors. TIFAC activities encompass a wide array of technology areas. The highlights of a few significant achievements during the year 2006-07 are given below:

TIFAC Studies : In co-ordination with the Planning Commission, technology assessment studies were completed for five key energy supply options; including solar PV, solar thermal, in-situ coal gasification, bioenergy and offshore wind power. Preparation of a comprehensive Pesticide Encyclopedia has been initiated. Technology needs assessment studies for select SME clusters have been initiated, to help identify and prioritize interventions for technology upgradation.

Patent Facilitating Centre (PFC) : 23 patent applications were filed by PFC, and 17 Indian and two US patents were granted during this period. 22 IPR awareness workshops were also organized in various parts of the country.

Technopreneur Promotion Programme (TePP) : 15 new projects were initiated under this programme, and the TePP network is being widened through TePP Outreach Centers.

Umbrella scheme on Technology Vision 2020 : Interventions in the agriculture sector have led to significant improvement in agricultural income through certified seed production at the farmer level. Augmentation of income has also been achieved through diversification to aromatic plantation and using disease free cash crops. Pilot projects aimed at demonstrating the use of technology for enhancing the efficiency and effectiveness of judicial processes were initiated.

The Advanced Composites Programme : The project on 'development of drivers' cabin interiors for diesel locomotives for Indian Railways' has been successfully completed meeting the long-standing need for improved workplace ambience.

In the coming year, we will strengthen and expand our activities with regard to Technology assessment and Technology Foresight, while continuing to take up technology interventions in a focused and prioritized manner.

Anand Patwardhan
Executive Director



Studies, Reports & Information Services

With the objective of looking ahead towards technology options, and to cater to the fast changing trade environments, TIFAC brings out a wide spectrum of reports covering various technology sectors.

Completed Studies

In response to a request from the Planning Commission, a series of

technology assessment studies on some key energy supply options were taken up in 2005-06 and completed during 2006-07. The studies examined the status of technologies in the Indian context and formulated recommendations for R&D, technology development and commercialisation.

S.No.	Topic	Agency
1.	Techno-economic Assessment of Bio-energy in India	Integrated Research and Action for Development (IRADe), New Delhi
2.	Solar Photovoltaics: Status, Prospects & Challenges	Indian Association for the Cultivation of Science (IACS), Kolkata
3.	Solar Thermal Technologies: Status, Prospects & Challenges	Vellore Institute of Technology (VIT), Vellore
4.	Offshore Wind: Status, Prospects & Challenges	Centre for Wind Energy Technology (CWET), Chennai
5.	Underground Coal Gasification: Status, Prospects & Challenges	Central Mining Research Institute (CMRI), Dhanbad
6.	Assessment of resource potential of renewables (small hydro, solar energy and wind) for decentralized power generation based on published data for states of varying geographical locations	TIFAC (In-house)

Ongoing Studies

S.No.	Topic	Agency
1.	Packaging of Pharmaceutical And Personal Care Products	SIES School of Packaging, Navi Mumbai
2.	Packaging of Fresh And Processed Foods	
3.	Packaging of Non Perishables	
4.	Packaging of Chemicals	
5.	Display and Promotional Packaging	
6.	Techno Market Survey on Vaccines and Molecular Diagnostics	Biotech Consortium India Ltd., Delhi
7.	Composite Products & Applications – A Technology Linked Business Opportunity	CP Consultants Pvt. Ltd., New Delhi
8.	Study on current status of potato production in parts of West Bengal and suitability of potatoes grown in parts of WB for processing into different products.	Central Potato Research Institute (CPRI), Shimla.
9.	Survey on Rural Pottery	Society for Economic & Social Study, New Delhi

New Studies Commissioned

In collaboration with the Ministry of Micro, Small & Medium Enterprises (MSME), a number of technology needs assessment studies has been initiated to identify the technology status in select

SME clusters to assess gaps and needs and suggest possible interventions.

The following studies were commissioned during 2006-07

Business Cluster	Study Undertaken by
Sports Goods, Jalandhar	Dr. B.R Ambedkar National Institute of Technology, Jalandhar
Scientific Instruments, Ambala	National Institute of Technology, Kurukshetra.
Agriculture Implements, Karnal	National Institute of Technology, Kurukshetra.
Casting, Howrah	School of Automotive Engineering, Jadavpur University, Kolkata.

Following the successful completion of the Fertilizer Encyclopedia, study for the preparation of Pesticide Encyclopedia was commissioned with Janana Prabodhini, Pune under the overall guidance of Dr. V Gowarikar, former Secretary-Department of Science & Technology (DST).

Information Services

TIFAC News

In order to disseminate information on TIFAC activities under various programmes, the Annual Issue of the newsletter was brought out and distributed to more than 5,000 Organizations, involved in technology development, both in India and abroad.

Websites

TIFAC Website provides useful information of different programmes. TIFAC operates a core website and also websites for individual programmes. These are

- TIFAC Website (<http://www.tifac.org.in>)
- Mission REACH (<http://www.missionreach.org.in>)
- Patent Facilitating Centre (PFC) (<http://www.indianpatents.org.in>)

TIFAC website was accessed by Nine lakhs users and the organization serviced more than 2000 queries pertaining to various technology areas received through the website. The PFC website continued to provide access to the database on Indian patents, Ekaswa A & B. Patent related queries were also received through the website and serviced. Information related to national and international workshops organized by PFC and Women Scientist Scheme programme were also made available on website. Information about 26 TIFAC COREs have been provided in the Mission REACH website. The website had received as high as four lakhs hits in a month. Information on new initiatives under the Mission REACH viz. e-Outreach & e-learning is also made available.

Innovation Support Programmes

2.1 Patent Facilitating Centre (PFC)

PFC has been playing an important role at all stages of intellectual property (IP) development in the country since its inception in 1995 from ground to policy level including creating IP awareness, protection, use and exploitation of IP and keeping watch on IP development. As the national referral point for the industry, universities, government agencies, NGOs and others, PFC was instrumental in generating critical inputs including conceptual framework, actual patent data, analysis, etc. for decision-making, policy formulation and future planning at the national level. The details of work done during the year are given below.

Facilitating IP Protection for universities and academic institutes : PFC took decision to file 63 new patent applications in India, one PCT application and one design registration. 23 patent applications were filed during this period, which includes 20 applications in India and one PCT application. 17 patents in India and 2 patents in US have been granted during this financial year on patent applications filed by PFC earlier

Facilitating IP Protection for DRDO : PFC has entered into agreement by signing an MoU with Defence Research Development Organization (DRDO). As per the agreement all the new patent/IPR applications of DRDO are being filed through PFC-TIFAC. Sixty-eight patent applications were filed by PFC on DRDO's behalf during this period. PFC is also maintaining the previously filed applications of DRDO.

Empowering Women : A Women Scientist Scholarship Scheme (WOS-C) was launched by DST, which aimed at utilizing the dormant potential of women scientists qualified in science and technology by giving them opportunities for practicing their knowledge of science & technology in fruitful manner. During the year, second batch of 27 candidates successfully completed their one year training. Two workshops were held for this batch, namely 'Patent Drafting Workshop' during July 26-29, 2006 and 'Trademark, Copyright and Design' during January 3-5, 2007. Most of the candidates of this batch have found placement in patent attorney firms, govt agencies and IP departments of other organizations. The third batch of the 37 women scientists has been selected after a written test and an interview.

Policy level interventions in States

Policy regarding filing of Geographical Indications (GI) : Patent Information Centres (PIC) at Guwahati and Kolkata have also been authorized to file GI applications in their respective states through notifications by their state governments. The GI application for Muga Silk from Assam was filed in the name of PIC Assam.

Intellectual Property Facilitation Centre : One Intellectual Property Facilitation Centre (IPFC) was established at Indian Association for Cultivation of Science (IACS), Kolkata with the following objectives:

1. Liaise with scientists from the three institutions namely, IACS, Bose Institute, S N Bose Centre for Basic Sciences for understanding the IP potential/feasibility for their research programmes from the conceptualization stage
2. Provide patent searching facility for the scientists to make the above assessment
3. Advise the interested scientists so as to enable them plan the research in a way that would generate IP while nurturing the individual research interests
4. Encourage more and more scientists from the above institutions for IP generation
5. Advise and assistance in IP management
6. Provide patent clinic facility
7. Organise occasional training activities in the relevant field

Awareness Creation, Training and

Outreach Programmes : PFC in its efforts to create awareness about IPR continued to organize workshops in different parts of the country. During the year, PFC organized 22 IPR workshops in different parts of the country. Out of these workshops, three were on plant variety protection, one on geographical indications and one was on International Depository Authority (IDA). Most of these workshops were organized with respective PIC in each state and one was organized with Ministry of SSI. One workshop cum training programme on 'Drafting and prosecution of patent applications-covering US & EP patent laws & practice' was organized at Human Resource Development Centre (HRDC-CSIR), Ghaziabad in association with Institute of Intellectual Property Research & Practice (IIPRP), Gurgaon.

IPR Bulletin : IPR bulletin of TIFAC has been instrumental in spreading awareness about IP related matters especially patents all over the country. The latest bulletin and the archives can be viewed on the PFC website www.indianpatents.org.in and www.pfc.org.in. During the period, three issues of the IPR bulletin were brought out. These bulletins covered many interesting topics such as analysis on patents related to yogic exercises, patent pooling, technology transfer and advancement laws and few landmark case laws. The bulletin is distributed through mail (about 7000 readers) and the web page of PFC.

2.2 Technopreneur Promotion Programme (TePP)

The Technopreneur Promotion Programme (TePP) is a joint initiative of the Department of Scientific & Industrial Research (DSIR) and TIFAC. While aiming at expanding the innovation base of Indian citizens, 40 projects have been launched under the programme. The following section gives an update of activities of the programme during the year:

On-Going Projects

	Project	Innovator & Remarks
1.	Prototype online time-domain reflectometer (TDR) for moisture measurement	Kalpna Joshi, Pune The project was completed successfully in November 2006
2.	Automatic pump operator	MM Sharma, Imphal Development of prototype completed.
3.	Mikshafut Tareeq – a path detection device	Dr. Bashir Ahmed Wani and Dr. G. Mahiuddin Bhat, Srinagar
4.	Variable reluctance electric servo actuator	K Srinivas, Bangalore Prototype developed
5.	Efficient environment friendly geyser	SN Mathur, Ghaziabad The technical objectives of the project fulfilled in February 2007.
6.	Performance evaluation of indigenous dialysis device	Dr. Parikshit Bansal Chandigarh Prototype for dialysis device developed & tested vis à-vis imported device. Several institutes identified for conducting testing & trials for obtaining data for performance evaluation. The project extended till June, 2007.
7.	Tamper Proof seal for disposable bottles and Jars	Shri Narender P Bonde, Mumbai



**Prototype
model for
the production
of Bio-organic
manure and
methane gas**

8.	Production of Organic Manure & Methane Gas	Shri R Selvaraj, Coimbatore
9.	Lift operating on potential energy	Shri Ahindra Chandra Chowdhury, Kolkata, Wets Bengal
10.	Low Cost Greenhouse Structure	Dr. Lakade Sanjay Shridhar, Aurangabad
11.	Powdered Fired Burner	Shri Ramesh Kumar Nibhoria, Zirakpur, Mohali, Punjab
12.	Electronic tagging of book like objects	Mr. Balaji Swaminarayanan
13.	Screening and development of herbal formulation for treatment of diarrhoea in animals	Society for Research and Initiatives for sustainable Technologies and Institutions, Ahmedabad
14.	Screening and development of herbal pesticide for treatment of pests on cotton	
15.	Screening and development of herbal formulation for treatment of blood pressure	
16.	Screening and development of herbal formulation for retention of placenta in animals	
17.	Screening and development of herbal formulation for treatment of bloat and flatulence in animals	
18.	Screening and development of herbal formulation for wound healing in animals	
19.	Anti Back Roll Device for Cars	Sh Dilip Bapat, Mumbai
20.	Design Refinement of JS Milker Milking Machines	Shri Joy John of Ernakulam, with RIN Chennai Prototype prepared, project near completion

New Projects Initiated in 2006-07

Sl.No	Project	Innovator & Location
1.	Personal Electric Transporter	Vinay Savla, Sourav Pagaria, Mumbai
2.	Design & development of a machine to produce surgical bandages	Mr. R.A.Yadav, New Delhi
3.	Development and validation of blood glucometer	Prof. P.C.Pandey, BHU, Varanasi
4.	Improved Escalator	Ms. Anshu Srivastava, New Delhi
5.	Scientific experimentation of homeo plant nutrients and plant protectors	Shri G. S. R. Murthy, Vishakapatnam
6.	In vivo dielectric measuring instrument in frequency range of 100 MHz for detection of cancer	Dr. Suresh Mehrotra, Aurangabad
7.	Sketching Device for use by a visually challenged person	Smt. Pragnya Dilip Bhatt, Ahmedabad
8.	Human Powered Mobile charger	Mr. Ankit Mehta, Mumbai
9.	Membranes for ultrasound and colour Doppler probes	K. R. M Niranjan Kumar Calicut, Kerala
10.	Synthesis of Laser Grade Rhodamine -6-G Dye	Dr. Murzaban Jmshed Karai, Mumbai
11.	Designing a low cost Yoghurt making equipment	Dr. R. Palani Dorai, Chennai
12.	Additives for petrol/diesel	Shri Dinesh G. Bhatuda, Nagpur
13.	New process of Palliating poultry feed in mini plant	Shri Shaikh Yunus Abdul Rajjak, Satara District, Maharashtra
14.	Trolley with jack for the disabled	Mr. Sameer Mohindra, New Delhi
15.	Intelligent energy efficient power generation using wind power	Dr. R. Anita Erode, Tamil Nadu

Programme Impact & Achievements

- 1. Novel Neem Oil for chronic wounds and ulcers (Manish Saxena, New Delhi)** : With TePP support the innovator's know how has been transferred to M/s Venus Remedies Limited against the payment of a technology transfer fee to the innovator. The company has launched the product in the name of Ampucure in the market.
- 2. Solid biomass fired efficient furnace (Ramesh Kumar Nibhoria, Chandigarh)** : TIFAC has been following up the installation of the biomass furnace developed by Mr. Ramesh Kumar Nibhoria in the institutions under Ministry of Human

Resource Development and Ministry of Health and Family Welfare.

- 3. Fabrication of a simple device for laboratory dialysis/ desalting/ purification of proteins (Dr. Parikshit Bansal Chandigarh)** : The innovator had successfully developed a device for dialysis under this project & it was taken up for performance evaluation. This additional work has been taken up as a separate project. The prototype developed was displayed at Hannover Fair during April 25-28, 2006.



4. Udder Care Kit for Prevention of Mastitis

(Dr. R Venkatakrishnan, Chennai) : The product was also displayed at Hanover Fair during April 25-28, 2006.

5. Device to lift chassis of vehicles

(Mr. Davesh Ashok Kulkarni, Mumbai) : This project was completed in February 2007; the prototype developed was exhibited in Indian Science Congress at Hyderabad. Product commercialization efforts are in advance stage.

TePP Outreach Centres (TUCs)

With the intention of scaling up the TePP program and to extend its presence, TePP Outreach Centres (TUCs) are being established in

institutions/organizations that have capabilities in technology, innovation and new venture support. Out of 10 such centres, the activities of the following five TePP Outreach Centres were coordinated and supported by TIFAC:

1. Central Glass and Ceramic Research Institute (CGCRI), Kolkata
2. SIDBI Innovation and Incubation Centre (SIIC), IIT Kanpur
3. Banaras Hindu University, Varanasi (BHU)
4. Vellore Institute of Technology-Technology Business Incubation Centre (VIT-TBI), Vellore
5. PSG-Science & Technology Entrepreneurial Park (PSG-STEP), PSG college of Technology, Peelamedu, Coimbatore

Technology Development Programmes

A number of Technology Missions in key sectors had been initiated, which were continuing during 2006-07, including the Advanced Composites Programme, Fly Ash Utilisation Programme and the Sugar Technology Mission.

3.1 Advanced Composites Programme (ACP)

The Advanced Composites Programme has played a leading role in improving the technology absorption ability of industries by consolidating the linkage between industries, research laboratories and academia. The programme has directed a whole lot of efforts on knowledge dissemination and creating user awareness in terms of improved properties, reduced weight, easy maintainability, longer life, higher efficiency etc. for the composite products. The programme has widely demonstrated the usage of composites in sectors like transportation, bio-medical, building & construction etc.

Programme Achievements

A basket of products developed successfully under the programme has reached the threshold of commercialisation due to an effective project management and timely implementation by regular project reviews by the experts/users. The programme also facilitates skill development and enhancement of the industry personnel.

Projects Completed in 2006-07

Interiors for Drivers' Cabin in Diesel Locomotive for Railways



▲ New Diesel cabin interiors

Towards modernizing the interiors for driver's cabin, a project was launched in partnership with M/s. Black Burn Co. Pvt. Ltd., Kolkata and technology support from the Industrial Design Centre/IIT-Bombay. The project aimed at developing driver's cabin interiors suitable for the retrofitment of largest fleet of diesel locomotives (WDM-2) as available with the Indian Railways. The new design of the cabin involved appropriate paneling, comfortable seats, clear visibility of the operators, proper arrangement of gauges, provision of space for tools etc. for better operator comforts. The cabin interiors were designed to provide good elegance without any sharp edges and to provide maximum comfort to the users. As the vibration dampening is an inherent property of composites, sidewall cladding and air space at the outer steel shell contributed effectively for achieving noise attenuation as well as heat insulation. The life expectancy of composite interiors for the driver's cabin would be around 15 years under normal usage conditions with minimum maintenance.

Two sets of composite interiors were fabricated and the drivers' cabins of two diesel locomotives were furnished at Ratlam loco-shed of Western Railway. The feedback from the field trials for these locomotives has been quite encouraging. The newly furnished cabin has created quite a conducive workspace for drivers. It is expected that the composite interiors for diesel locomotives would soon be inducted widely by Indian Railways. Black Burn would fabricate the cabin interior components by adopting resin transfer moulding (RTM) technology.

Composite Components for High-End Passenger Buses

The project, launched in partnership with M/s. Tech-Force Composites Pvt. Ltd., Indore, aimed to design & develop passenger bus components viz. front & rear panels, front grill, front & rear bumper, dash board & engine hood with improved aesthetics mainly for international market by providing unique styling, appropriate aerodynamic effect and components standardization. Tech-Force had designed, fabricated and supplied one complete set of prototype components for their client in Abu Dhabi. The development process involved initial sketching/drawings, generation of 3D model, rendering, development of templates, mould development & finally prototype fabrication. These sets of components were fabricated using spray-up and RTM process and dispatched to Abu Dhabi for actual use in the bus. The feedback has been very encouraging. A high demand for such composite components for bus bodies is likely to generate by the users from India and abroad.



▲ Composite houseboat

Composite Houseboat for Tourism

The project was launched in partnership with M/s. Samudra Shipyard Pvt. Ltd., Aroor near Cochin for development of composite houseboat for tourism with improved aesthetics, boat stability, comfort level and maintainability. A multi-agency approach was adopted for seeking expertise in hull design, testing, fabrication assistance, design of superstructure, interiors, amenities etc.

NGN Composites-Chennai has assisted in mechanical design & fabrication of hull, deck & superstructure. The technology support

from NGN Composites included design and development of patterns and moulds for boat hull & superstructure and quality control during fabrication process. The Dept. of Ocean Engineering of IIT-Madras has provided hydrodynamic design of boat hull, bulkheads, ballasts and conducted the necessary tests for boat stability. The Industrial Design Centre (IDC) of IIT-Bombay has extended design support for superstructure for improved space utilization of the available envelop, aesthetics and ergonomics of the living area with the detailed design of bedrooms, toilets, dining area, lounge, kitchen etc. including design of panels, partitions & other interiors.

For superstructure, efforts were made to retain the traditional look with curved wall profiles and pagoda type roofing. The entire superstructure was made into five modular parts requiring only three moulds for fabricating the half modules. A 104 HP Cummins diesel engine used for the propulsion system has been housed inside the hull with anti-vibration mountings. An acoustic barrier in the form of high resilience foam was used in the engine enclosure for a noise free operation. A 10-KVA DG set was installed inside the hull for the power back-up when the engine is not in operation as the boat is anchored during the night. Polymer concrete ballasts weighing 1.50 tons were added inside the hull to improve boat stability. Three bulkheads were provided in the hull to isolate the hull puncture and water leakage.



▲ Composite houseboat interiors

On-going Projects

No.	Projects & Partners	Remarks
1.	Composite Bamboo Laminates & Accessories (Phase II) Emmbee Forest Products Pvt. Ltd., Manabari	The imported & indigenous equipments for primary & secondary processing and finishing line for manufacturing floor tiles, furniture sections and bamboo flat boards were procured and ready for installation at the Emmbee factory at Odlabari, West Bengal. Besides these, the major equipment for manufacturing particleboards were procured.
2.	Composite Interiors for Railway Passenger Coaches Century Polymer Industries, Vadodara & IIT-Bombay	Design & fabrication of most of the composite components for the 8-berth bay, the wall panels, ceiling & flooring along with various fittings viz. light fixtures, coat hooks, bottle holders, snack table, magazine holder etc. for AC-III tier coach have been completed.
3.	Composite Bracket Assembly for Overhead Railway Electric Traction Permal Wallace Ltd., Bhopal	Composite bracket assembly for overhead electric traction line as substitute to GI structure is being developed for Indian Railways. The resin system was finalized and the prototype samples were tested successfully as per the desired specs. from Indian Railways.
4.	Composite Applications Laboratory IIT, Kharagpur	Fabrication systems such as 6-axes filament winding system, vacuum assisted resin transfer moulding (VARTM) were established and they are now fully operational. Two training programmes on Introduction to Composites Technology and Resin Transfer Moulding were convened successfully for user agencies & Indian composite industry. A course on 'manufacturing & characterization of polymer matrix composites' was offered to third/final year B.Tech & first year M.Tech students in the Spring Semester (January 2007).
5.	Composite High Speed Boats Valeth High Tech Composites Pvt. Ltd., Kelambakkam	The project aims to develop composite high-speed boat (20-30 knots) with 16 m long hull. The boat is required to perform under adverse conditions of slamming by waves, fatigue out of prolonged operations as well as high vibrations.
6.	Development of Multi-Purpose Modular Housing System IDC/IIT-Bombay	The project targets to design and develop prototype modular housing system for rehabilitation, project site offices/ accommodation, security enclosures, temporary classrooms/ vocational training centres, booths etc. scaled down models for site offices, anganwadis for remote villages and temporary housing for tourism were developed.
7.	Development of filament wound composite road tankers Modern Engineering Plastics Pvt. Ltd. (MEPPL), Mettur, Tamil Nadu	The project aims at developing composite road tankers for transportation of corrosive acids, chemicals etc. using filament winding system with ~40% weight saving over the metallic ones besides offering excellent corrosion resistance.
8.	Development of filament wound venturi scrubber Fibro Plasticchem Pvt. Ltd., Kolkata	The project involves design & development of venturi scrubber along with cyclones, ducting, stack etc using multi-axis CNC filament winding system for variable geometry as important pollution control equipment for collection of acid mist & fine particulates.
9.	Filament Wound Pipes and Pipe-Fittings M/s. EPP Composites Pvt. Ltd., Metoda (Dist. Rajkot)	Composite pipes for high-pressure applications for oil & gas sector are being developed by filament winding technique as per the international standards (viz. API).

3.2 Fly Ash Utilization Programme (FAUP)

In India, large quantities of fly ash are being generated, as most of our energy demand is met through coal based thermal power stations. The fly ash generation is expected to grow further as coal would continue to remain as major source of energy at least for next 25 years. The fly ash, which is a resource material, if not managed well, may pose environmental challenges. FAUP has been undertaking various projects/activities for technology development /

demonstration, disseminating the information, creating awareness, facilitating multiplier effects, providing inputs for policy interventions etc. in the area of safe management & gainful utilization of fly ash.

During the year, FAUP primarily focused on the activities concerning monitoring and steering of thirteen projects approved earlier, facilitation of multiplier effects, review/revision/formulation of standards/specs. etc. Major highlights of this year's activities are:

Completed Projects

The following two projects were completed during the year:

Sl.No.	Brief title of the Project	Implementing & Participating agencies
1.	High Volume flux bonded fly ash building components Tiles and CBRI, Roorkee are the participating agencies).	RRL, Trivandrum (M/s. KAP India Tiles, M/s. ST Joseph
2.	Manufacture of cold setting structural brick/block with high volume of fly ash	RRL, Bhubaneshwar.

Ongoing Projects

The list of ongoing projects of FAUP is as given below:

Sl.No.	Brief title of the Project	Implementing & Participating agencies
1	Radioactivity analysis in fly ash	IOP, Bhubaneshwar
2	Fly Ash as ameliorant for improving Forage Productivity in Bundelkhand Soils.	IGFRI, Jhansi
3.	Determination of rate of consolidation, flow rate, settlement and load bearing characteristics of Fly Ash slurry after stowing.	IIT, Kharagpur
4.	Granulometric and mineralogical evaluation of fly ash for Brick Making and Allied Civil Works in Northern Region.	CBRI, Roorkee
5.	Stowing of large volume of pond ash in underground mines at SCCL (M)	CMRI - Dhanbad, HWB/HWP (M), SCCL - Manuguru, CFRI - Dhanbad
6.	Fly Ash for efficient management of Irrigation water	Potash Research Institute of India, Gurgaon
7.	Development and demonstration of HCSD System	IIT, Delhi
8.	Mathematical modeling for the mix design of cement bonded fly ash bricks	CBRI, Roorkee
9.	Use of higher volumes of fly ash in concretes for RC structures in different environments	CBRI, Roorkee
10.	Removal of pollutants from waste water using fly ash and sunlight	CMERI, Durgapur
11.	Design and development of process technology for separation of cenospheres from fly ash – Laboratory Studies	RRL, Bhopal

All projects are monitored, steered and guided by the respective Project Monitoring Committees (PMC).

Multiplier Effects

- The construction of lower dam (85 m high) under Ghatghar Pumped Storage Scheme of Govt. of Maharashtra using Roller Compacted concrete (RCC) technology with high dosages of fly ash (about 65% replacement of cement by fly ash) has been completed. Two dams under the same scheme (upper dam & saddle dam) have already been constructed with RCC technology under FAM / FAUP projects and are performing satisfactorily.
- Large numbers of farmers' in the state of Maharashtra have started using Fly Ash in their agricultural fields. It has resulted in increased productivity.
- Use of fly ash in clay brick manufacturing is gaining momentum, especially in the state of Maharashtra.
- Fly Ash based technology, 'Ultra Thin Topping', for repair of roads; even in bitumen roads is being used in the state of Tamil Nadu after its successful demonstration in the state of Maharashtra

Standards / Specification / Guidelines & Policy Decision towards Sustainable Use

- The standard providing specifications for fly ash for its use in lime pozzolana mixture applications (e.g. bricks etc.) [IS: 15648 – 2006]; drafted by FAUP, TIFAC has been approved and issued by Bureau of Indian Standard (BIS).
- As a result of interactions with and on advice of FAUP, TIFAC, Orissa Government (Industries Department) is actively considering formation of Fly Ash Mission, Orissa to help and facilitate use of fly ash in state of Orissa.

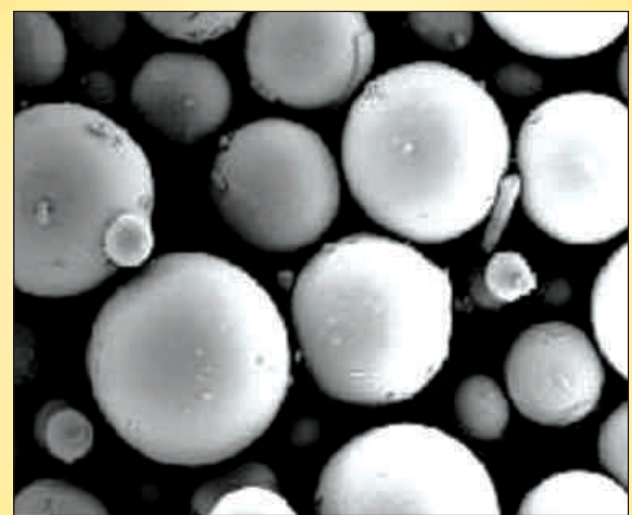
Other Activities

- FAUP guided and facilitated a large number of entrepreneurs/industries in the area of fly ash management.
- About 150 queries from entrepreneurs/research scholars/ other people working/ interested in the area of fly ash were answered. Technical guidance and relevant information in different areas of fly ash utilization were provided

Programme Impact

Fly ash is fast becoming a widely used industrial raw material in India with annual ash utilizations increasing from a meager one million

tonne during 1994 (3% of 40 million tonne generation) to about 55 million tonne as of March 2007 (44% of 125 million tonne generation). This was 42 million tonne during the year 2004-2005 (38% of 112 million tonne generation) and 48 million tonne during the year 2005-2006 (41% of 118 million tonne). The perception of fly ash has been changed from 'A Waste Material' to 'A Resource Material'.



▲ Fly Ash Cenospheres



▲ Sea by-pass pier footing using fly ash based concrete in Mumbai

3.3 Sugar Technology Mission (STM)

The Sugar Technology Mission launched in the year 1994, focuses on technology upgradation for the Indian Sugar industry. The purpose is to use latest environment friendly, cost effective technologies for achieving efficient sugar production through improvements in plant efficiencies, energy saving and reduced inputs.

Technology Upgradation of Sugar Factories

The Mission has so far prepared detailed schemes for 53 sugar factories for their technological upgradation. This has led to reduction in cost of conversion and improvements in capital output ratio. The list of completed detailed project reports (DPR) during 2006-07 for the sugar factories is as under:

Sl. No.	Factory
1.	RBNS Sugar Mills, U.P (Phase-II)
2.	Mohan Rao Sindhe SSK Ltd, Maharashtra (Co-Gen)
3.	Sri Chamundeswari Sugars Ltd, Karnataka
4.	The Haryana Co-op Sugar Mills Ltd.
5.	Uttam Sugar Mills Ltd., Unit-Sikandarabad; U.P
6.	Uttam Sugar Mills Ltd., Unit-Shermau; U.P
7.	Uttam Sugar Mills Ltd., Unit-Khaikheri; U.P
8.	Madhuraj Agrotech Ltd., Dhaula; Punjab.
9.	Crystal Energy & Foods Ltd, Gurdaspur, Punjab
10.	Jai Mahash Sugar Industries Ltd, Maharashtra

Evaluation of New Technologies

The Mission has also evaluated a number of new technologies and has rendered financial support to 24 Nos. new technologies so far for their trials and evaluation. Technologies that have successfully commercialized and replicated have led to benefits of improved sugar recovery, energy saving and improvements in sugar quality. There have been about 20 replications in the Sugar Industry during the current year.

The technologies, which have been successfully commercially evaluated so far and have been either replicated or are ready for replication are:

- Separate Clarification of Vacuum Filtrates

- Thin Film Sulphur Burner for Continuous generation of SO₂ to achieve satisfactory juice clarification parameters.
- PLC based integrated clarification control system for automatic control of juice purification, better removal of non-sugars.
- Blanco Directo / Syrup treatment process for production of superior quality sugar.
- Low Pressure Extraction System (LPE).
- Computerized Automation of Condensing and Cooling System
- Planetary Gear Box
- Enterprises Resources Planning (ERP) System
- Alternate Material Components for Sugar Mills
- Monitoring and Control System for pan boiling
- Distillery effluent treatment system.
- Ethanol from secondary Juice.
- Development of cost effective Fibrizer hammer tips.

On-Going Projects on Technology Development and Evaluation

Ethyl Lactate from Molasses

A project on development of technology to commercially produce Ethyl Lactate from Molasses has been implemented at M/s. The Godavari Sugar Mills Ltd., Sameerwadi, Karnataka. During the process trials the productivity achieved by fermentation is between 2.5 to 3.0 grams/liter/hr against a target of 1.8 to 2.0 grams/liter/hr. Necessary balance equipment for filtration and concentration are being procured to make up the shortfall observed in the designed capacity.

The Membrane Separation technology has been commissioned at M/s Simbhaoli Sugar Mills Ltd., Simbhaoli, U.P.

The Cane Separation System (CSS) has been received from M/s Kothari Sugars and Chemicals Ltd, Kattur; T.N and transferred to M/s Spray Engineering Devices Ltd (SEDL). M/s SEDL is conducting the necessary assessment studies for purpose of re-engineering of the device as required to enable it's successful commercial operation.

The project on 'Processing of tropical sugar beet for Sugar and Ethanol' in partnership with M/s Harneshwar Agro Products, Power & Yeast (I) Ltd, Indapur- Pune is under consideration for joint funding by STM and Technology Development Board (TDB).

Technology Projects under implementation during the year (2006-07)

Clarification of sugar cane juice using Membrane separation technology.

A Pilot project for clarification of sugar cane juice at a capacity of 20 M3/Hr using S.S membrane and manufacture of refined quality sugar, has been commissioned at the sugar mill of M/s Simbhaoli sugar mills Ltd, Simbhaoli, U.P. The 1st installment of TDA of Rs 100.00 Lakhs has been extended to M/s Simbhaoli sugar mills Ltd. for the purpose.

Overseas Assignment

The road map prepared on revival of sugar mills in Fiji is under implementation. The above task is in addition to the progress / work submitted and completed by STM.

Umbrella Scheme on Technology Vision 2020 Projects in Mission Mode (TV2020)

Towards realizing the recommendations of Technology Vision 2020, sectoral technology forecasting studies earlier completed by TIFAC, a Mission mode programme was launched for the technology demonstration and their replication in key sectors/areas. Under this programme, support is being provided for technology development at various stages, technology demonstration at pilot scale including targeted HRD and institutional capacity building practices.

4.1 Agriculture and Fisheries

It was forecast in the Technology Vision 2020 report of TIFAC on Food & Agriculture that India would need to produce 324-343 million tonnes of foodgrain by 2020. Towards the aforesaid vision, targeted technology interventions for higher productivity and sustainability are being continued in some select low productive areas of Bihar, Eastern UP, Sikkim, Uttarakhand etc. The programme focuses on capacity building & technology transfer, quality seed & planting material production and crop diversification for better return. New projects are also initiated that may address local problems (e.g., management of acidic soil and deep water conditions at Orissa) to build a demonstrative model for the diversification & sustainable farming system for the small farmers. The activities initiated under the programme are mentioned below:

Completed Projects

Demonstration of Systems Approach in Agriculture in low productive areas

Implemented by: Paliganj Vitani Krishak Samiti, Paliganj

Location: Sone Command Distributaries of Patna district, Bihar

The project was started earlier with crop demonstrations adopting Systems Approach for technology led interventions for higher productivity in areas under Rice –Wheat cropping system in low productive areas at Sone command distributaries. Training for improved cultivation practices, better quality seed and inputs, agro advisory services and regular monitoring of farmer fields led an impressive change in farmer's approach, adoption of better package of practices, increase in productivity in crops and better farm income. Impact Assessment study and documentation of project activities in audio-visual mode is under progress. Project was completed in June 2006.

Demonstration of Systems Approach in Agriculture and Cattle Development

Implemented by: Organic Agriculture Scientific Society for Integrated Services (OASIS), Coimbatore

Location: Walajabad Panchayat Union, Kancheepuram

OASIS, Coimbatore, implemented this project with an overall objective to improve farm productivity by crop demonstrations following improved cultivation techniques, livestock improvement, Artificial Insemination etc.

Training on vermi-composting, fodder cultivation, goat rearing, cattle fertility / health camps were organized and farm animals were treated with Artificial Insemination.

Project impact assessment and video film documentation by Tamil Nadu Agricultural University is under progress. Project completed in June 2006.

Agriculture Development Project

Implemented by: Uttranchal Youth & Rural Development Centre (UYRDC), Narainbagar, Chamoli.

Location: Pinder valley, Chamoli and Bageshwar districts, Uttarakhand



▲ Polyhouse at Pinder Valley, Uttarakhand

UYRDC implemented this project with an aim to produce vegetables especially off-season vegetables and their seed

production under protected conditions. Installation of around 50 polyhouses was completed during the year (totaling 300 polyhouses

medicinal plants was also made. The project completed in September 2006. Handbook in Hindi for vegetable and medicinal plant cultivation, published earlier, generated a lot of interest and awareness for adoption among local farmers.

On-Going Project

SI. No.	Project & Partner	Remarks
1.	Improved Seed Production and Multiplication Paliganj Vitarni Krishak Samiti, Location: Paliganj, Patna	Six low cost grain storage structures were constructed in project area. The farmers were trained to adopt cultivation practices in Rice-Wheat to achieve 10% seed replacement every year. Agro advisory services for plant protection were also provided to 78 farmers from 48 villages; plant protection equipment and other implements were provided to farmers.
<p>▼ Patliputra Beej produced by Seed Grower's Co-operative</p> <div style="display: flex; justify-content: space-around;">   </div> <p>▲ Zero Tillage demonstration at Bhaluani block, Deoria</p>		
2.	Demonstration of System Approach in Selected Low Productivity Regions Bhanu Foundation Research and Development Society (BFRDS), Deoria Location: Deoria, Eastern UP	Training for capacity building and knowledge empowerment was imparted; 265 farmers participated in five training camps. Good quality seeds of Rice and Wheat were arranged from different institutes, distributed and farmers multiplied seed production contributing to improved income.



▲ Training on grafting of oranges at Kalimpong



▲ Distillation Unit at Paliganj

<p>3.</p>	<p>Promotion of Medicinal and Aromatic plants Grameen Vikas Pratisthan (GVP) Location: Paliganj, Patna</p>	<p>A 500kg capacity distillation plant established. Scientists from Rajendra Agricultural University and HRDI Centre for Aromatic Plants provided training in Lemon grass/Java Citronella/Mentha cultivation and processing at 16 camps that were participated by 544 farmers from 89 villages. GVP arranged approx 84200 slips of lemon grass and citronella, 3020 kg slips of mentha for farmers that are now being cultivated in 5.85 and 17.4 acre respectively.</p>
<p>4.</p>	<p>Demonstration of Agriculture Diversification Through Aromatic Plant Cultivation Bhanu Foundation Research and Development Society (BFRDS), Deoria Location: Deoria, Eastern UP Mela.</p>	<p>During the period, about 6000 slips of lemongrass and 250 gm seed of palmarosa were arranged for the farmers, nursery raised, and at present 80,000 slips of lemongrass and 10000 slips of palmarosa are ready for transplanting during the next season. Nine training camps were organized in 20 villages, which were attended by about 338 farmers. Besides this, an institutional training was also organized at NDU&T, Faizabad where 20 farmers and three project staff participated. Five hundred farmers participated in the Kisan</p>
<p>5.</p>	<p>Technology demonstration for higher income generation for the farmers G B Pant Institute of Himalayan Environment and Development, Sikkim Unit and IARI, Regional Station, Kalimpong.</p>	<p>During this period, 5100 seedlings of large cardamom were obtained from IARI, Regional Station, Kalimpong and distributed amongst farmers of Lingdok and Tumin villages; 200 Nucellar seedlings and 100 grafted saplings of mandarin were also distributed to farmers of Central Pandam. Repair of one polyhouse at each of the 3 villages were done and insect proof screens were fitted. Water reservoir was constructed at the catchment area to ensure continuous supply of water in the poly pond. Two days' training on 'Production of disease-free nucellar seedlings and grafted plants of Darjeeling orange' was imparted to selected orange growers from Central Pandam, East Sikkim at IARI Regional Station, Kalimpong. Twenty thousand large cardamom seedlings and suckers were raised in nursery. As a cumulative effort of the aforesaid training programmes, farmers earned on an average of Rs.2722/- per polyhouse per year excluding own consumption. One thousand five hundred virus-free seedlings of Darjeeling orange and 200 virus-free grafted plants were produced on rough lemon and Rangpur lime rootstocks for planting in the farmer's field.</p>

6.	<p>Agricultural diversification to enhance productivity of acidic upland of eastern India Water Technology Center for Eastern Region (WTCER), Bhubaneswar and Social Reconstruction and Economic Empowerment (SREE), Balasore Location: Remuna (Balasore district) and Barasahi (Mayurbhanj district) blocks, Orissa</p>	<p>Soil analysis from 56 samples taken from farmers field showed low organic carbon content, pH and low water holding capacity. Average lime requirement was found to be 2.5t/acre. The project just started and is expected that after the completion of the project this technology may be adopted by a large group of farmers in the area.</p>
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▼ Groundnut cultivation at Mayurbhanj



▲ Farmer's field at Puri Sadar

7.	<p>Enhancing productivity of deep water Rice area Water Technology Center for Eastern Region (WTCER), Bhubaneswar and Action for Integrated Development (AID), Bhubaneswar Location: Puri Sadar and Satyabadi blocks (Puri District), Orissa</p>	<p>To make provision of irrigation to dry season crops (from January onwards), rain water-harvesting pond with a depth of 2-3 m in deep water rice area was designed, occupying 25-30% of the total field. A high yielding rice variety was grown in farmers' field with scientific management practices and harvested water resources during Rabi 2006-07. The productivity of rice was found to be almost double in project fields compared to traditional farmers' practices.</p>
8.	Fisheries	<p>A new project titled 'Processing and export of loin and steak of yellow fin tuna' to be implemented by M/s Aswin Associates, Cochin, has been approved with the objective of production of value added products such as loin & steak from yellow fin tuna and exporting the same. The project duration is one year.</p>

4.2 Agro-Food Processing Sector

Completed Projects

Genetic Improvement of Rural Dairy Livestock for Sustainable Livelihood

Implemented agency: Bharatiya Agro Industries Foundation (BAIF), Pune
Location: Pune

The project at BAIF aimed at production of genetically superior offspring for higher milk productivity utilizing Embryo Transfer (ET) Technology. The overall conception rate achieved through ET was 32% as compared to national average of 26%. The project resulted in the production of 74 elite breed cattle of which 10 are already serving as breeding bulls & 3 male calves are under training for semen collection at BAIF. Total 8 breeding bulls were also produced at the field level. In addition, over 3.8 lakh semen doses have been collected for providing Artificial Insemination services in the field that



▲ Calves borne through ET at BAIF

can produce offspring capable of producing about 2000 litres of milk per lactation. In November 2006, a National level workshop was held at BAIF Pune, on 'Application of Embryo Transfer Technology in cattle development', which was attended by Eminent scientists and veterinary experts from across the country. This project is now completed. However performance of the project outcome will be monitored for next 10 years.

Ongoing Projects

Establishing Integrated Clean Milk Production network at village level for manufacturing value added products

Implementing agency: Milan Dairy Foods Private Ltd, New Delhi
Location: Bulandsahar & Ghaziabad districts, UP

After forming farmer's associations, bulk milk cooler, automatic milk collection unit and generator sets have been installed and commissioned at 10 sites out of total 26 project sites envisaged and accordingly milk procurement has been started partially.



▲ Village level milk procurement centre at Khalor, Bulandsahar

Clean Milk Production in West Bengal

Implemented by: West Bengal Cooperative Milk Producer's Federation Ltd., Kolkata

Location: Ichhamati Milk Union, North 24 Parganas, West Bengal

The project is being implemented in 9 milk societies involving about 900 farmers. The equipments installed in the project include static milking machine, hygiene kits, bulk milk coolers, automatic fat & SNF testing equipment and somatic cell counter. Training has already been given to farmers and the project is nearing completion.

4.3 Health Care and Herbal / Natural Products

The approach towards this sector is in two phases with the following objectives:

- Utilization of vast natural resources of herbal & natural products & to develop and commercialize the few selected technologies, products & processes; and

- To develop & establish/ demonstrate new approach towards health care system.

Completed Projects

Manufacturing of Micro encapsulated Omega 3 powder

Implemented by: Arjuna Natural Extracts Ltd., Coimbatore

Location: Coimbatore

This project aimed at manufacturing of microencapsulated Omega-3 powder from fish oil, with applications for making capsules/tablets/health drinks without fish smell. The powder thus developed can be a substitute for imported fish oil. This technology can be used for other herbal extracts and oils also.

The state of the art manufacturing facility with equipment like (Fluid Bed Processor FBE 250) with a capacity to produce 1500 kg powder has been established indigenously which adhere to GMP and is



▲ Fluid Bed Processor FBE 250

accredited to ISO 9002 to guarantee standardized extract quality, purity and potency. Production of internationally acceptable quality omega 3 powder (ZEPUFA TM) of different grades has been stabilized and it is available in the domestic as well as international markets.

Ongoing Projects

Mobile Hospital and Research Centre in Uttarakhand (Kumaon)

Implemented by: Birla Institute of Scientific Research, Bhimtal. This is a joint project of TIFAC and Govt. of Uttarakhand, each sharing the

recurring cost equally.

Duration : 5 Years (October 2002 to September 2007)

Project site: Champawat, Nainital, Almora, Bageshwar, Pithoragarh, Chamoli districts of Uttarakhand.

The clinic has been in operation since 20th October 2002 and is working very efficiently as per its targets. The total numbers of patients visited in 800 camps (till March 2007) since initiation was approximately 81795 and during this year, 17737 patients were treated at the facility. It is interesting to note that 53% of the patients belong to below the poverty line.

Mobile Hospital and Research Centre in Uttarakhand (Garhwal)

Implemented by: Himalayan Institute Hospital Trust (HIHT), Dehradun

Duration: 5 years

Project site: Garhwal region, Uttarakhand

The mobile hospital is equipped with diagnostic facilities like Ultrasound, X-ray, ECG, laboratory and basic equipments for eye and ENT. It also includes the aspects of curative healthcare through



▲ Inauguration of Mobile Hospital by Hon'ble C.M., Govt. of Uttarakhand

prescription, referral to hospitals and on the spot dispensing of medicines. The entire operational cost will be managed by HIHT, Dehradun.

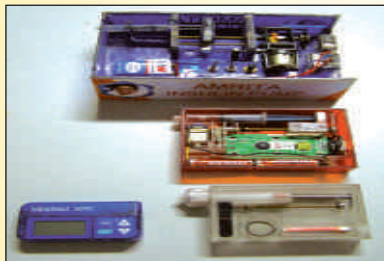
4.4 Mission REACH

Under **Mission REACH** (Relevance & Excellence in **ACH**ieving new heights in educational institutions) launched in October 2000, 26 TIFAC-Centres of Relevance & Excellence (**TIFAC-CORES**) are functional now. In addition, fresh initiatives viz. E-learning & e-outreach have been taken in line with the Mission objective of improving the quality of S&T education.

Highlights/Achievements from TIFAC COREs

- **TIFAC CORE in Industrial Safety** (Mepco Schlenk College, Sivakasi) organized four safety training programmes benefiting over 300 industry personnel
- PG Diploma course in 'Plant Tissue Culture' was launched during October 2006 at **TIFAC CORE in Agro & Industrial Biotechnology** (Thapar Institute of Engineering & Technology, Patiala)
- 4 students of M.Tech from **TIFAC CORE in Advanced Computing & Information Processing** (Shanmugha Arts, Science, Technology & Research Academy, Tanjore) completed their internship in Nanyang Technological University (NTU) Singapore with full sponsorship from NTU.
- **At TIFAC CORE in Automotive Infotonics**(Vellore Institute of Technology) M.Tech-Automotive Infotonics Course was introduced for the 'first of its kind' in the country. 22 students were admitted in the first batch
- At **TIFAC CORE in Biomedical Technology** (Amrita Vishwa Vidyapeetham, Kochi), Design of Cost Effective Insulin Pump has been completed and Patient trials have been initiated. Biocon is a industry partner to TIFAC-CORE in this project. Also a Database of Diaphytomics-, plants with anti-diabetic properties with details of 1320 plants has been created. This has done entirely by the students of TIFAC-CORE
- M.Tech. (Cyber security) course have been introduced at **TIFAC CORE in Network Security** (Amrita Institute of Technology, Coimbatore)
- **TIFAC CORE in Aircraft Maintenance** (Hindustan College of Engineering (HCE), Padur) provided training to 160 employees of Hindustan Aeronautics Limited through 6-week Certificate course in specialized areas of Aircraft Maintenance
- **TIFAC CORE in Environmental Geomatics** (Jawaharlal Nehru Technological University, Hyderabad) launched two postgraduate courses viz. M. Tech. (Environmental Geomatics) & M. Sc. (Geospatial Science and Technology). The Centre also signed an Agreement with Survey Training Institute (Survey of India) to offer postgraduate programme for their in-service staff of Survey of India.

Insulin Pump
TIFAC CORE in
Biomedical Technology,
Amrita Viswa
Vidya Peetham, Kollam



Electronic Yarn cleaner
system at TIFAC Core in
Textile Technology and
Machinery, Kumaraguru
College of Technology,
Coimbatore



Friction Tester facility
at TIFAC CORE in
Industrial Safety,
Mepco Schlenk College,
Sivakasi



Embedded systems
Lab at TIFAC CORE in
Advanced Computing and
Information Processing,
Shanmugha Arts, Science,
Technology &
Research Academy, Tanjore

E-learning initiative at Amrita Vishwa Vidyapeetham

- 42 institutions have been identified across the country to set up Distance e-learning classrooms
- Three lecture series in following topics were conducted in 2006 benefiting over 1000 students.
 - * Engineering Electromagnetism (Dr. N. Narayana Rao, Distinguished Professor, University of Illinois). Duration July 10, 2006 to Aug 11, 2006)
 - * Advanced Network Systems (Dr. Ramalingam Sridhar, Associate Professor , Department of Computer Science and Engineering , University at Buffalo, The State University of New York). Duration: July 24, 2006 to August 25, 2006
 - * Solid State Electronics Devices & Circuits (Dr. Jose Schutt-Aine, Professor, Department of Electrical and Computer Engineering, University of Illinois). Duration: July 17, 2006 to August 25, 2006.

'E-Outreach' Initiative at IIT Bombay

Six workshops have been conducted

- * Database Management (5 days)
- * Data Mining (5 days)
- * Wireless Networks (2 days)
- * SCILAB (2 days)
- * Cell Broadband Engine Solutions Development (3 days)
- * Embedded Systems (2 days)

The first set of content on 'Wireless Network' has been released on January 26, 2007

4.5 Automotive Sector

TIFAC continues to serve as the secretariat for the Core Group in Automotive R&D (CAR) and implement the projects in the auto sector, under the guidance of the inter-departmental Programme Advisory Committee (PAC), which is a collaborative effort of Department of Heavy Industry (DHI), Department of Information Technology (DIT), Department of Science & Technology (DST) and Office of the Principal Scientific Advisor (PSA).

CAR is an academia-industry interaction forum that defines the technology priorities in India for the road transportation sector (vehicles, components and enhancement to road infrastructure/network). The CAR technology roadmap was published in March 2006, and will be updated. The vision is to enhance energy security,

environmental quality, economic growth and establish a globally competitive transportation industry in India. The stakeholders participating in CAR are the manufacturers of automobiles & auto-components, senior academics and government departments.

TIFAC has been implementing the CAR programme with the launching of projects in association with the stakeholders. Projects supported under CAR are for Pre-competitive, early stage would follow the Public-Private Partnership models involving academic institutions, national labs, automobile companies and component manufacturers. The knowledge generated is meant to be shared among the consortium members. The expected outcomes are:

- Development of specific prototypes demonstrative of an automotive application
- Generation of basic know-how package, that can be transferred to individual companies
- Evolution of key competency centres to support industry.

The results would have to be adapted or further developed for commercial use by the companies (through in-house R&D).

The following thematic workshops were supported under the programme during the year:

- i. Apr 17, 2006 Bangalore. Indo-US workshop on Rapid Manufacturing Technologies. Organized by Indo-US Science & Technology Forum.
- ii. Apr 27, 2006 Bangalore. CAR-NASSCOM Conference on Automotive Infotronics. Organized by TIFAC/ CAR & NASSCOM at Indian Institute of Information Technology.
- iii. Jun 17, 2006 Chennai. Conference on Advanced Manufacturing Technologies. Organized by TIFAC/CAR at Central Leather Research Institute (CLRI).

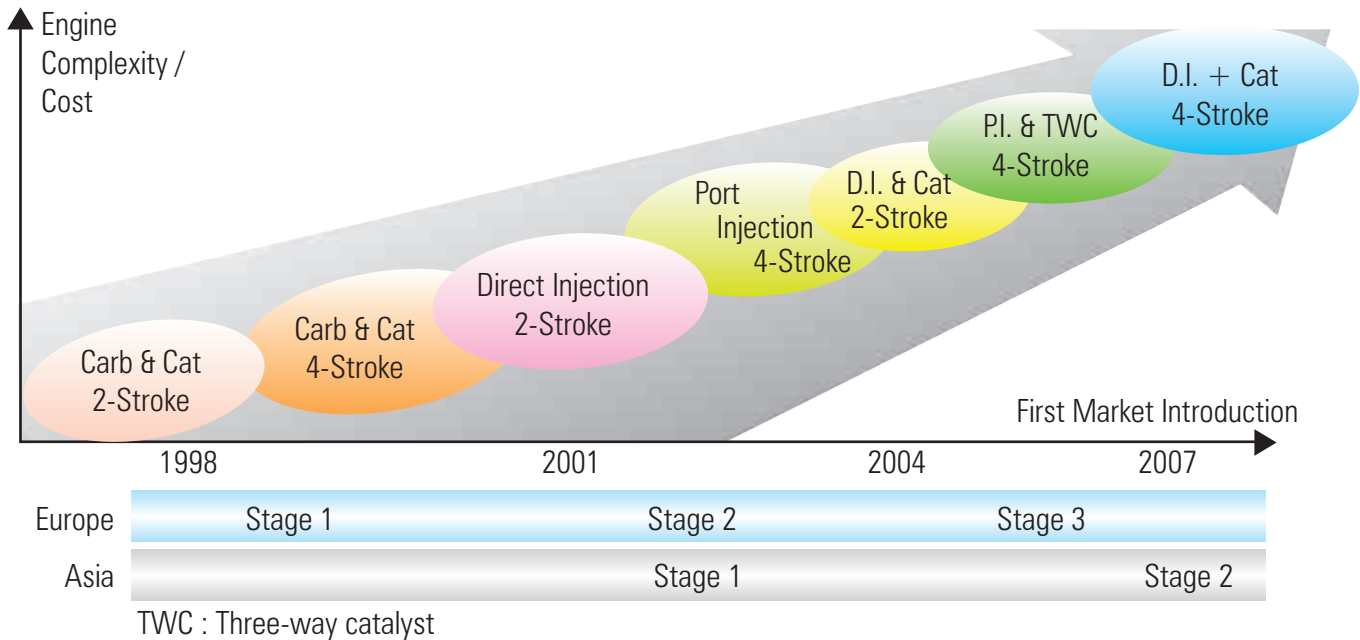
Ongoing Projects

Engine Management Systems for Petrol-Powered Small Vehicles

(Started in May 2005, for 1.5 years. Partners: IITB, IITM, TVS Motor Co. Ucal Fuel Systems. Sponsor: Office of PSA).

EMS's have become standard in all four-wheelers. Yet, Indian companies are dependent on Tier-I suppliers with a global footprint (such as Bosch, Delphi etc) for EMS systems. This project will develop low-cost, proof-of-concept engine management system (EMS) for 4-stroke (4S) petrol-powered small (50-250cc) petrol engines that supports the port fuel-injected architecture. It proactively addresses the need of two/three wheelers for low-cost

engines and fuel delivery systems that can to meet future emission norms. The global trend is shown in the figure below.



Telematics

(Started in May 2005, Duration: 2 years. Partner: Amrita Vishwa Vidyapeeth. Sponsor: TIFAC)

Fast, simple, and inexpensive wireless communications such as WiFi have revolutionized Telematics. The objectives of this project are to utilize open standards and architecture, develop a Wireless Mesh network of WiFi based wireless access points, and transform the chosen bus stations into a hot zone, develop prototypes of wireless location systems & network technologies. Twenty vehicles will be deployed for trials.

Light Weighting using Hydro-forming & Tailor Welded Blanks Processes

(Started in Nov. 05, Duration: 2 years. Partners: ARCI, IITB, ProSIM, Tata Steel, Tata Motors, Mahindra. Sponsor: Office of PSA & ARCI)

TWB and hydroforming are well-established techniques worldwide that is used to achieve weight reduction in auto-components. Yet, the competence & infrastructure is still absent in India. The technology was originally developed by the US consortia Ultra Light

Steel Auto Body (ULSAB). The project will develop competence groups in the country along entire value chain to assist Indian auto manufacturers in adopting the TWB and Hydroforming technologies. The selected components are (a) Door inner (from a Mahindra vehicle) for Tailor-Welded Blank (10-15% weight reduction) and (b) Chassis long member (from a Tata Motors vehicle) for Hydroforming (15-20% weight reduction).

Bus Terminus Vehicle Tracking and Control System

(Started in March 2006, Duration: 2 years. Partners: IIIT-B, Ashok Leyland, Lattice Bridge, Siemens Information Systems. Sponsor: Dept. of Heavy Industry)

Koyambedu Bus Terminus, Chennai, is one of the largest bus terminals in Asia. The pilot trial will cover Optimal management of long-route & metropolitan buses to improve their fuel efficiency, and People Convenience (both passengers and operators).

Telematics can enhance the existing management structure of such a huge bus terminal. The system will assist drivers to arrive at

parking bay that are dynamically assigned to a bus before its entry and driver will be guided to reach the bay. The passengers can know arrival, departure time and route, and it will help to plan their travel.

The wireless communication media is GSM/ CDMA and GPS. The system informs drivers of their current location and can receive visual/verbal instructions from the control center. Display systems will provide information to passengers at the terminus and in the bus stops.

4.6 Bioprocess & Bioproducts

Bioproducts derived from sustainable bio-resources involving various bioprocesses are emerging areas, which are receiving much attention due to the potential impact of these technologies in terms of environment friendliness due to low energy intensive operations, optimum utilization of bio-resources and enhancement of rural economy coupled with employment generation etc.

Considering the importance of bio-products and bio-refinery technologies, TIFAC had directed the necessary efforts for nucleating a programme on Bioprocesses and Bioproducts and this has been approved under the umbrella scheme: Vision 2020 in January 2007. The programme would primarily focus on (i) identification of technologies with far reaching social, economic, commercial consequences (ii) development & demonstration of select technologies in processing and conversion of biomass to produce fuels, chemicals and other value-added products (iii) promotion of technology capabilities in the national & international arena. For the overall guidance in the programme, an Apex Committee was constituted comprising of eminent experts from the industry and academia.

Programme Achievements

- Commissioning of position papers on bioprocesses & bioproducts with international trends, applications potential in the country, national status and developmental priorities in the thrust areas viz., ethanol from ligno-cellulosic biomass, biodiesel, biomass pyrolysis, bio-hydrogen, bio-chemicals/specialty chemicals, bio-polymers, enzymatic conversion etc. These position papers were instrumental in detailed sectoral assessment and formulation of future strategies for the areas identified.
- Towards an assessment of technology capabilities & preparedness in the specific sector prior to launching of the programme, efforts were directed for an effective networking

among national technology developers. Exploratory visits were made by TIFAC scientists to major Indian labs working in the specific areas. A detailed survey was made to understand the technology status & directions, technology gaps in India and identify actions to bridge those gaps.

- Focused industry interaction meets were held at four cities across the country by TIFAC in association with the Confederation of Indian Industry. The objectives of such interactive meets have been to sensitize the industries on new technology trends & developments in bioprocesses & bio-products including biomass based energy generation technologies so as to generate novel projects in partnership with the industries. Four such meets were held at Chennai (February 03), Kochi (February 24), Pune (March 02) and Kolkata (March 13).

4.7 Hydrogen Energy Technology Programme

Technology development projects implemented at RV College of Engineering, Bangalore

- Hydrogen induction into IC engine (Dual Fuel Mode)
- Modifications of petrol genset to run on hydrogen
- Hydrogen production from bagasse and other waste materials using microbes

Project completed at SPIC Science Foundation, Tuticorin on **Development of Polymer Electrolyte Membrane Water Electrolyzer (PEMWE) for Hydrogen Generation.** Two electrolyzers (capacities:0.50 NM³/hour & 1.00 NM³/hour) designed, fabricated and installed for demonstration at Meteorological Centre Observatory, Thiruvananthapuram.

4.8 Synergizing S&T with Judicial Processes

This sector aims to undertake activities leading to a higher level of interfacing between S&T and Judicial processes. This program functions in a collaborative mode with the judiciary, investigating agencies and S&T organizations. The following projects are currently ongoing in the sector:

- **Normative Data for Brain Electrical Activation Profiling :** This project is being implemented by Forensic Science Laboratory Gandhi Nagar, Gujarat (FSL) with the objective to conduct experiments and studies for brain electrical activation profiling of individuals in order to establish the validity of this technique and standardize it as an acceptable form of opinion evidence in the court of law.

More than half of subjects targeted have been reported as identified. The simulation study room is also put in place with necessary infrastructure for recording simulation findings. Few profiles have been recorded with probes developed by FSL.

- **Tamperproof & Secure Courtroom Digital Recording & Video Conferencing System:** It is being implemented by CDAC-Noida, Directorate of Forensic Science-New Delhi & Directorate of Forensic Science-Gandhi Nagar. A prototype of digital recording and storing system has been installed in one court room and the retrieval & authentication software is being developed.
- **Digital Pen & Paper Technology for capturing the information at police station:** This project is being implemented by Mumbai police in technical collaboration with M/s. Impact Systems Pvt. Ltd., Pune. This application is rolled out in three police stations in Mumbai and the works is underway to extend the facility for three more police stations. It is planned to network the all the police stations in the project with the Police Commissioner Office.
- **Crime Scene Recording System:** This project is being implemented by M/s. Encore Software Ltd, Bangalore and Bangalore Police using a portable computing device. The crime scene recording system is envisaged with date, time and location stamp facility and other features such as authentication and encryption of data. Biometric login features, auto upload of data, etc. are also to be implemented in the system. The crime recording forms in kannada language have been digitized. A police station has been identified by police for rollout of the application in Bangalore City.

4.9 Technology Upgradation of Select SME Clusters

TIFAC, in partnership with the Ministry of Micro, Small & Medium Enterprises (MSME), has initiated a programme for upgrading select SME's clusters towards making them globally competitive. Eight sectors have been identified initially for carrying out in-depth technology assessment studies to understand the gap in context with the current global standard. The clusters include Casting (Howrah - Ferrous, Kolhapur - Non ferrous), Sports Goods (Jalandhar), Pottery, Surgical Instruments (Baruipur), Diesel Pump & Engineering Industry (Rajkot), Agricultural Implements Industry (Karnal), Scientific Instruments (Ambala) and Carpet Industries (Bhadohi). The studies will include understanding the technology status (product & process) in the cluster, identification of gaps in terms of competition and market requirements, and suggestion of scenarios for possible technological interventions by involvement of academia or R&D partner institutions etc.

4.10 Ropeways Completed Project

TIFAC had earlier decided to put up manual ropeways in Uttaranchal as a demonstration project to alleviate the sufferings of people living in hilly areas. The manual goods carrying ropeway system was got designed by IIT-Roorkee to carry loads upto 100 kg up & down the hill. The system was commissioned under the supervision of M/s RITES. Training of local persons in operating the ropeways was also a key component of the implementation. The system was handed over to Gram Panchayat of Village Pokhari-Jiyari on 10th April 2006.



Other Activities

5.1 International Cooperation

5.1.1 S&T Cooperation with ASEAN

TIFAC played the lead role in the area of 'Infrastructure and Resources Development'. On behalf of Indian Side, ED-TIFAC is the Co-Chairman for the Sub Committee of Infrastructure and Resources Development (SCIRD). Proposal on 'Training Programme on R&D and Innovation Management' has been prepared.

5.1.2 India- International Institute for Applied Systems Analysis (IIASA) Programme

IIASA is an independent non- governmental, research organization located in Austria, sponsored by its National Member Organizations in Africa, Asia, Europe and North America.

On behalf of India, TIFAC is the National Member Organization (NMO) of IIASA for a period of 5 years (effective from January 2007). A National Committee Chaired by Dr.Kirit Parikh, Member, Planning Commission, has been constituted to guide the programme activities. Necessary background activities for convening a joint India-IIASA international workshop scheduled in 2007-08 were carried out during the year. The workshop would discuss the economic, societal and environmental benefits provided by the Indian forests with the participation of leading Indian & international experts. As part of capacity building, two Indian researchers were selected through IIASA competitive process for participation at IIASA in their 'Young Scientists Summer program' (YSSP) 2007.

Facilitation and promotions for Indian participation in other IIASA activities are in process.

5.2 Interaction with other Ministries

5.2.1 Ministry of Steel

On behalf of Secretary-DST, TIFAC is a member of the Empowered Committee as well as Evaluation Group of Ministry of Steel. TIFAC was involved in regular evaluation and monitoring of projects. During the year, 10 technology development projects were supported.

5.2.2 Ministry of Environment & Forests

As a Member of the Consultative Group on Climate Change, Executive Director-TIFAC extended knowledge support to the Ministry of Environment & Forests.

5.3 Supporting 11th Five Year Plan Formulation

The Planning Commission had constituted various committees for formulation of the 11th Five Year Plan (2007-2012). TIFAC was actively involved in the following Working Groups:

- i) S&T Steering Committee
 - Working Group on Science and Technology for SMEs
 - Working Group on Strengthening Academia-Industry Interface (including Public private partnership)
- ii) Working Group on R&D for Energy Sector

Human Resources & Infrastructure Development

6.1 Training

- i) Mr. T. Selvan, Scientist D, Dr. T. Chakradhar, Scientist C and Mr. M. Suresh Babu Scientist C participated in the Exposure visit to Scientific Labs / Institutions in Taiwan and Singapore during June 24-July 5, 2006 under the National Programme for Training of Scientists & Technologists in Government Sector sponsored by Department of Science & Technology, Govt. of India. As a part of this exposure visit, above scientists visited various S&T organizations, Universities, Research institutions and labs in Taiwan and Singapore.
- ii) Dr. Neeraj Saxena, Scientist 'D' was selected by the DST to undergo the Executive Education Program on 'Science, Technology & Innovation Policy (STIP)' conducted by the J F Kennedy School of Government, Harvard University, Cambridge, MA, USA during November 12-17, 2006. He also visited Massachusetts Institute of Technology and a few industries in and around Boston.

6.2 Participation in International Conference

- i) Shri Deepak Bhatnagar-Adviser had participated in the Energy Research and Innovation Workshop at Brazil during September 18-20, 2006.
- ii) Shri JJ Bhagat, Mission Director-Sugar Technology Mission attended the 25th Session of International Commission for Uniform Method of Sugar analysis (ICUMSA), held at Brazil from September 20-22, 2006.
- iii) Shri S Biswas-Adviser had participated in the international conference, Composites & Polycon 2006 during October 18-20, 2006 at St. Louis, Missouri, USA. The event was organized by the American Composites Manufacturers' Association (ACMA).
- iv) Shri S Biswas, Adviser and Ms. Nirmala Kaushik, Scientist undertook exploratory visits to the National Renewable Energy Research Lab (NREL)-Golden, Pure Vision Technology Inc.-Golden & Iowa State University-Ames all in USA during October 24-26, 2006 for the bioprocess & bioproducts programme.
- v) Shri JJ Bhagat, Mission Director-Sugar Technology Mission Chaired the International Symposium on Technologies to improve sugar productivity in Developing Countries held at

Guiling, China from December 05-08, 2006.

6.3 Publications

Detailed list at ANNEXURE-I

6.4 Expert visits and delegations

- A lecture on 'Enabling Innovators' by Dr. S Walsh, Director, Technology Entrepreneurship Programme, University of New Mexico was delivered to TIFAC Scientists on June 20, 2006
- Dr. F Bernard, Adviser to CEO, Dassault Systems delivered a lecture on 'CATIA- a simulation software for rapid prototyping' on July 12, 2006

6.5 Implementation of Official Language Policy

TIFAC continued the implementation of the official Language Policy under the guidance of Official Language Implementation Committee (OLIC). The recommendations made by the Committee of Parliament on official languages are being implemented. The activities during the year 2006-07 are fourteen employees were sent for training in Hindi Typewriting through correspondence course of Central Hindi Training Institute of Department of Official Language (DOL); seven of them had passed the examination. Two employees are getting training in Hindi stenography. More than 80% staff of TIFAC possess working knowledge of Hindi. A proposal has been sent to DST for creation of one post of Hindi Officer and One post of Hindi Typist. The translations of the Codes, manuals and rules such as Memorandum of Association and Rules, TIFAC Staff Rules, Gratuity Rules, Purchase Procedure, TIFAC Contributory Provident Fund Rules and General Forms have been completed.

6.6 TIFAC Library

To facilitate and foster the flow of scientific/technical information, TIFAC Library continued to support the requirements of TIFAC scientists and users by procuring scientific books/reports and journals/serials. During the period 47 scientific and technical books/reports were procured. In addition, library continued subscription of two e-Resources – Proquest Science Journals and ABI/INFORM complete through INDEST-AICTE Consortium (Indian National Digital Library in Engineering Science and Technology Consortium). 39 scientific/technical journals have been subscribed.

7

National Mission on Bamboo Applications (NMBA)

Composites & Wood Substitutes

Bamboo based composite products developed by the Mission have provided linkages between the organised and unorganised sectors, between household activity and organised industry, for instance resin bonded boards made from hand woven mats. Primary production/processing have been organized at the village level with basic mechanization. Locations close the bamboo growing areas have been instrumental in reducing cost of production and providing employment at the village level. This has contributed to considerable economic activities and employment generation, especially in areas and amongst people that are relatively disadvantaged.

The Mission has succeeded in a) developing a range of new products, and process and equipment configurations and process technologies, b) establishing a growing number of manufacturing units in different product segments, c) establishing market acceptability for products, especially roofing, cladding, panels, shuttering ply and flooring, and d) developing process waste utilization options.

Products developed and commercialized, and number of manufacturing units established with Mission support are as mentioned

Products developed and commercialized	Achievements
Flooring tiles, furniture sections, door and window frames	3 manufacturing units
Board-bamboo ply, shuttering boards	4 manufacturing units
Bamboo sandwich composites	2 manufacturing units
Bamboo roofing sheets	2 manufacturing units
Feeder units-Bamboo mats, slivers, slats, flattened bamboo	23 manufacturing units

Construction & Structural Applications

The Mission has promoted the use of bamboo towards the provision of cost effective, durable, functional and easy to construct shelter to meet mass housing needs, and for structures under the public domain by a) utilising bamboo species identified to be suitable for structural uses, and newly developed and available bamboo engineered material, and b) using recently developed and commercialised bamboo composite and engineered material.



▲ Bamboo Polyhouses

In regard to mass housing/shelters and functional structures, following models have been developed, tested, validated and installed at field sites-

Models	Locations
Clustered rural housing and functional structures	Agartala, Amethi, Haldwani, Srinagar, Chamba, Lumla, Tawang, Delhi Khammam, Konkan, Pasighat, Barkul, Orissa, Jaipur and Chandigarh
Army troop barracks/shelters	Joshimath, Dehra Dun, Jaipur, Bikaner, Delhi, Tezpur, Yeol, Ranikhet, Sagar
Specialized igloo structures	Siachen- to withstand -50oC and wind speeds of 150 kmph, and most importantly, are fire-retardant
Sandwich constructions	Leh, Kargil and Tawang, Ladakh
Schools- Sarva Shiksha Abhiyaan (SSA)	Lohit, Dantewada, Kargil, Awantipur, Delhi and Patna
Bamboo based polyhouses	Pune

Food & Agro-Processing

Commercial scale bamboo shoots management, extraction and processing, supported by the Mission, has generated value added economic activity and provisioning of income at the rural & community level. Development of cultivation-supply chain-enterprise-market models of the activity has been one of the major

achievements of the Mission. These are being taken up at a) the cluster & community level and b) the entrepreneur levels.

Products developed and commercialized	Achievements
Bamboo shoot in brine, Dried bamboo shoots, bamboo shoot in cans and poly films	24 manufacturing units, including community level processing units

Industrial Products (Energy & Thermal Applications, Charcoal, Activated Carbon, Fiber & Fabric)

Applications	Achievements
Gasification units in 1 MWe capacity	2 commercial units
25 KWe to 500 KWe capacity	16 units
Bamboo charcoal manufacturing units	18 units
Bamboo fiber-non woven applications-hygiene products	2 units



▲ Bamboo Charcoal Kiln Firing

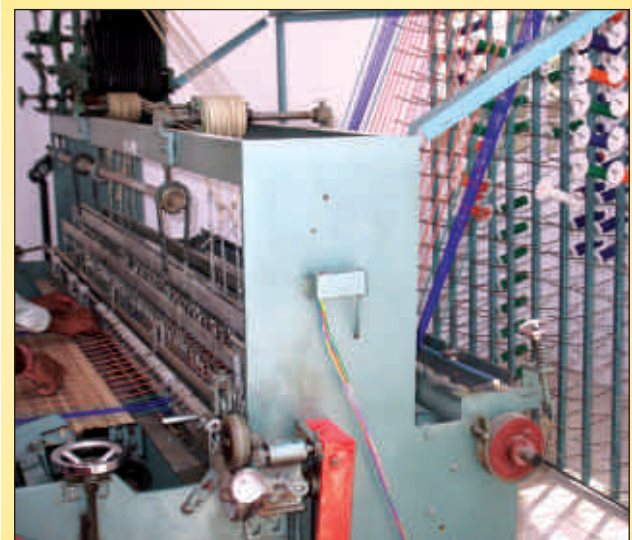
The Mission efforts under this segment has also reinforced a commitment to clean and renewable energy as well as substitution of fossil fuel, to get the CDM (Clean Development Mechanism) benefits to the commercial projects, making these projects more viable. This has also lead to utilization of waste, flowering and non-flowering raw bamboo near the bamboo source in the remote areas, thereby creating linked economic activities and employment generation in these areas.

Product Applications - Small Enterprise (Bamboo furniture, kiosks, woven bamboo applications, stick making, agarbattis etc)

The Mission interventions under this segment have resulted in development, demonstration and commercial induction of technologies for mechanized primary processing of bamboo, to increase productivity, reduce drudgery and produce high quality intermediates and utility products under the craft and small enterprise sector.

Details of the commercial units in different products and segments established with Mission support are as mentioned-

Products developed and commercialized	Achievements
Bamboo square and round sticks	11 manufacturing units
Incense stick rolling and fragrance unit	1 manufacturing units
Mechanized furniture making units	3 manufacturing units
Mechanized bamboo mat making	3 manufacturing units
Bamboo decorative mat making	27 SHGs-410 families
Venetian blind making	4 manufacturing units
Bamboo mat based moulded products	1 manufacturing unit
Bamboo dust pulverizing for mosquito coil	1 manufacturing unit



▲ Venetian blind making

Mechanized bamboo mat making units, which have linked organized sector of sliver manufacturing to un-organized sector of manual mat weaving and have generated large scale employment in rural areas and have been established in technical collaboration with IPIRTI, Bangalore. Optimized supply chain model integrating woven mat manufacturing at cluster/village level and supply of mats to the Board manufacturing unit at competitive price, have been established in Tuli, Nagaland in collaboration with the Nagaland Bamboo Development Agency (NBDA) and in Kendrapara (Orissa) in collaboration with Rajiv Gandhi Foundation (RGF).

Processing Machinery & Technology

At the outset, the Mission tried with imported machines in production which were found unsuitable for Indian bamboo. The Mission therefore developed processing machines and technology, suitable for Indian bamboo, in conjunction with research institutions and industry. Mission intervention and successes in development of machinery and equipment has been extremely critical to the enlargement of the bamboo sector in the country. Machinery and equipments developed by the Mission are efficient, sturdy, low-cost

and suitable for Indian rural conditions, species and range of products, to reduce drudgery, improve productivity and minimize wastage. Capacity building at rural level has also been done while inducting these machines, to repair, maintain and lower operational cost of machines.

Details of the process machinery lines and commercial machine manufacturing units established with Mission support are as mentioned-

Machinery line developed and commercialized	Achievements
Primary processing lines- cross cutting, splitting, slivering, two and four side planing	7 manufacturing units
Secondary processing machines-board making	4 manufacturing units
Ancillary lines of machinery -bamboo flattening and edge making, stick polishing & slicing machines	2 manufacturing units
Innovative equipments and tools-Tungsten Carbide Tipped (TCT) cutters, gang cutter/ slitter based square stick making machines	1 manufacturing units
Continuous slate dryer	1 manufacturing unit

Propagation & Cultivation

Despite India's wealth of bamboo resources, an important constraint inhibiting the development of value added enterprise is that of sourcing adequate raw material at reasonable prices. In most application areas there is a need for quality material, defined by species, maturity, bamboo characteristics, harvesting technique and

post-harvest treatment. The Mission has developed, demonstrated & encouraged intensive and scientific cultivation practices for higher productivity, through intensively managed plantations.

Demonstrative plantations, bambusetum and plant propagation centers established by the Mission are as mentioned below

Activities	Achievements
Demonstrative models and package of practices of bamboo plantation	10 models
Demonstrative plantation, in partial substitution of tea planting	4 locations
Enhancing productivity of existing/ un-worked forest bamboo plantations	1 location
Coordinated multi-locational trials for standardizing package of practices, irrigation requirement, organic & inorganic nutrients and intercropping and observing the suitability of species at various locations	9 academic institution's location
Establishment of bambusetum	3 location
Setting up of TC lab and hardening facility	5 units
Induction of commercial level protocol	5 species
Setting up of vegetative propagation centers	10 centers

Alternate technologies have also been developed for bamboo propagation through branch and culm cuttings, and commercial level plant production centres have been established at Allahabad (UP) and Kudal (Maharashtra). Propagation methodologies for monopodial bamboo species have also been developed at IHBT Palampur, SFRI Itanagar and IWST Bangalore for different source material of plants. Large scale multiplication of *Guadua angustifolia* and *Phyllostachys pubescens* being carried out, along with demonstrative plantations.

Support & linkages

Pivotal to the enlargement of the sector is the development of a

Activities	Achievements
Publications – training manuals, field guides, market assessments	26 numbers in 7 regional languages
Interactive CDs on a wide range of subjects	5 numbers
Web-site development of NMBA that provides information on a wide range of subjects and is regularly updated	1 number
Assessment & quantification of bamboo resources	8 states
Products and process standards-draft	9 products and processes
Development of State bamboo policies	5 states

Annexure-I List of Publications

1. **Composite houseboat helps tourists explore India**, S Biswas and G Srikanth, Reinforced Plastics (vol. 50, no.4), April 2006, M/s. Elsevier Advanced Technology, Oxford, UK
2. **Fly Ash: Resource wasted so far**, V Kumar, Proceedings of Interactive meet on Manufacture of Cold Setting of Fly Ash Bricks, Bhubaneswar, April 21, 2006.
3. **Fly Ash: An Organic Farming Amendment**, V Kumar, Proceedings of National Seminar on Role of Fly Ash in Organic Peri-urban Agriculture and Environmental Protection, Amity Center for Neem Research, Studies and Development, NOIDA, April 27-28, 2006.
4. **Segregated Handling of Dry Fly Ash at Thermal Power Station**, V Kumar & M Mathur, Fly Ash Classifier Technology and Options, May 27, 2006.
5. **Bio-diesel: Technology & Business Opportunities – An Insight**, S Biswas, N Kaushik & G Srikanth, published in the proceedings of Biodiesel Conference towards Energy Independence – Focus on Jatropa, June 09-10, 2006, Hyderabad organized by Rashtrapati Bhavan, New Delhi
6. **Promotion of plasma technologies opportunities for support**, N Kaushik, Published in the 50th Issue of the Plasma Processing Update, IPR, Gandhinagar, July 27-28, 2006
7. **Biodiesel: fuel of the future?** S Biswas, G Srikanth & N Kaushik, Hindu, August 03, 2006.
8. **Biodiesel: Fuel for the Future**, S Biswas, N Kaushik & G Srikanth, SEARCH (Vol. 9, no. 9), September 2006
9. **Fly Ash a Building Material of Future**, V Kumar, International Exhibition & Conference on Building Materials & Construction Technologies – BMCT 2007, New Delhi, September 07, 2006.
10. **Public Private Partnership for Targeted Human Resource Development**, A Patwardhan, D Ghosh, D Bhatnagar, Jancy A, N Saxena, S. K. Muneshwar, presented during Technology Transfer Society Conference, Georgia Tech, Atlanta USA, September 27-29, 2006
11. **Fly Ash Based Self-Compacting Concrete**, V Kumar, Civil Engineering & Construction Review September 2006.
12. **Biofuel – trends, technology gap and priorities**, A Sardar & N Kaushik, published in the proceedings of International Seminar on Biofuels Vision 2015, Bikaner, October 13-16, 2006.
13. **Fly Ash based Blended Cement: Need of the Hour**, V Kumar & M Mathur, Presented at the Workshop on Investment Opportunities in Fly Ash and Blast Furnace Slag Based Cement Plants in Orissa organised by Orissa Govt, October 16, 2006, Bhubaneswar.
14. **Composites in Transportation - Indian Experience**, S Biswas, S Baksi and G Srikanth presented at & published in the proceedings of the international conference, Composites & Polycon 2006 at St. Louis, Missouri, USA, October 17-20, 2006

15. **Fly Ash: An Input for Integrated Nutrient Management**, V Kumar & G Singh, presented during Golden Jubilee National Symposium on Conservation Agriculture and Environment, organized by Banaras Hindu University, October 26-28, 2006, Varanasi
16. **Fly Ash: A Valuable Material for Construction Engineering**, M Mathur & V Kumar, presented during National Conference and Exhibition on Civil Engineering meeting the challenges of Tomorrow, organized by Guru Nanak Dev Engineering College, Ludhiana , November 24-25, 2006.
17. **Fly Ash: A Resource for Sustainable Development**, V Kumar, M Mathur & S Dhattrak, presented in International Coal Congress & Expo 2006, December 11-13, 2006, organized by Institutes of Engineer, New Delhi.
18. **Geo-Environment Protection: Role of Fly Ash**, V Kumar & M Mathur , presented during International Geotechnical Congress (IGC), organized by IIT Chennai , December 14-17, 2006.
19. **Future Trends In Ash Utilisation and Commercial Exploitation of Ash**, V Kumar & G Singh, presented during Workshop on Clean Energy and Environmental Impact , December 19, 2006, Noida
20. **Innovative mechanisms to improve effectiveness of technical education- a case study of mission mode approach in India**, D Ghosh, D Bhatnagar, Jancy A, N Saxena, S K Muneshwar, published in the proceedings of GLOGIFT-2006, School of Management, Asian Institute of Technology, Bangkok, December 20-22, 2006
21. **Fly Ash: An Environment Pollutant or a Saviour**, V Kumar & M Mathur, presented during the Indian Science Congress, Annamalai University, Tamilnadu, January 3-7, 2007
22. **Fly Ash as an Amendment in Agriculture & Wasteland Development**, V Kumar & M Mathur, presented during the Indian Science Congress, Annamalai University, Tamilnadu, January 3-7, 2007
23. **Composites make train driver's life more comfortable**, S Baksi, S Biswas & A Somani, Reinforced Plastics (Vol.51, no.2), February 2007, M/s. Elsevier Advanced Technology, UK
24. **Fly Ash from Rags to riches**, V Kumar & M Mathur, presented during Asia Pacific Conclave Coal products technology & management, February 23-25, 2007, Kolkata

**Auditor's Report Together with
Audited Statement of Accounts**



Auditor's Report

The Members,
Governing Body
Technology Information, Forecasting &
Assessment Council,
New Delhi – 110016

We have audited the attached Balance Sheet of TECHNOLOGY INFORMATION, FORCASTING AND ASSESSMENT COUNCIL (TIFAC), NEW DELHI as on 31st March 2007 and also the attached Income & Expenditure Accounts for the year ended on that date.

These financial statements are the responsibility of the management of the TIFAC. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management, as well as evaluating the overall presentations of the financial statements. We believe that our audit provides a reasonable basis for our opinion.

Subject to our Audit objections as per Annexure AR-1, comments given in the following Notes on accounts as per schedule -45 & 46, Note No B-1 -> Provision of Depreciation during the year, Note No. B-2 -> Non – Accounting of Stock of Publication of TIFAC, Note No. B-4 -> Non-receipt of utilization statements in respect of grant utilized from the implementing agency in some cases, we report that :-

- 1) We have obtained all the information and explanation which to the best of our knowledge and belief were necessary for the purposes of our Audit.
- 2) In our opinion proper books of account as required by law have been kept by TIFAC.
- 3) The Balance sheet and Income and Expenditure Accounts dealt with by this report are in agreement with the books of account.
- 4) In our opinion and the best of our information and according to the explanations given to us, the said accounts read with the schedules and notes thereto given the information required by Society Registration Act, in the manner so required and given a true and fair view :-
 - a) In case of Balance Sheet , of the state of affair of the TIFAC as at 31st March 2007.
 - b) In case of Income & Expenditure Account, of the excess of expenditure over income for the accounting year ended on that date.

For **Rakesh Raj and Associates**
Chartered Accountants

-Sd-

Ashwani Taneja
(Partner)

Date : 16th August 2007
Place : New Delhi

Annexure : AR1 - Audit Objections

1. TIFAC has been recognized as a Scientific and Industrial Research Organisation by Department of Scientific and Industrial Research (DSIR) for the period from 30.06.1993 to 31.03.1995 and subsequently from 01.04.1995 to 31.03.2000, 01.04.2000 to 31.03.2003 & 01.04.2003 to 31.03.2006 and TIFAC has been declared "SCIENTIFIC INSTITUTION" by the prescribed authority under Rule 6 of the Income Tax Rules for the purpose of Clause (ii) of Sub-section (I) of Section 35 of the Income Tax Act, 1961 vide Notification No. 951 (F. No. DG/IT(E)/ND-116/35(i)(ii)/93-IT(E) dated 30th November 1993. The Income Tax liability for earlier year if any will be provided in the books of account on the basis of actual payment to Income Tax Department. The recognition has expired on 31.03.2006. Application has been made for renewal but renewal has not been received so far after 31.03.2006.
2. As per the agreement of various Projects the Financial Assistance given by TIFAC will be refunded in Instalments as per the specified period as mentioned in the agreement but it is analyzed that there are many companies have not repaid their instalments according to the agreements. The details are as under.

Out of which the following amount are overdue as on 31.03.2007.

(Rs. In Lacs)

Name of the Project	Overdue upto Six months	Overdue from more than six months upto 3 years	Over due more than 3 Years	Total
Fly Ash Mission	7.350	64.800	14.400	86.550
Advanced Composite	68.700	859.580	899.270	1827.550
Home Grown Technology	80.700	838.650	1382.740	2302.090
Vision 2020:Agriculture Sector	11.628	64.753	0.000	76.381
Vision 2020: Other Targetted Prog.	1.200	378.240	0.000	379.440
Vision 2020 : Upgradation of Textile Machinery	6.660	35.100	0.000	41.760
	176.238	2241.123	2296.410	4713.771

The above amount does not include any interest which is chargeable at 18% on overdue amount as per terms of the agreement signed by beneficiaries. It is explained to us that as per policy of TIFAC interest on overdue amount is accounted for on receipt basis only.

3. The assets hypothecated to TIFAC are required to be insured by the beneficiaries as per terms of agreement, but it was observed that in few cases assets are not insured.
4. It is observed in some cases that some current liabilities are still outstanding since long time. If it is not required to pay the same may be booked as income.
5. The following advances are outstanding for the last 2 to 3 years which have not been settled so far.
 - (i) RDCIS, Ranchi Rs. 4,852/-
 - (ii) BISR (Haldwani) Rs.76,173/-



6. It is observed that Rs.4,50,77,871/- shown as Capital Fund in Progress at Schedule 11A of the Balance Sheet. The time period of the work contract has already been over as per terms and condition of the agreement. A part of the job has not been completed. This amount should be transferred to Corpus / Capital Fund after completion of the job.
7. It is observed that Rs. 32,59,953/- towards Construction of Reception Office in D.S.T, Technology Bhavan is outstanding since long. Proper action should be taken to recover this amount from DST.
8. Rs.5,52,750/- on account of Earnest Money is held with TIFAC for the last 2 years unsettled.
9. Income Tax Return of the financial year 2005-2006 has been filed on 30.03.2007. TDS return for the Financial year 2006-2007 three quarters have been filed on (1Q : 08.08.2006, 2Q & 3Q : 13.03.2007) and in the 4 quarter (Form 26 has been filed on 15.06.2007) and Form No.24 has not been filed so far.

for **Rakesh Raj & Associates**

Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Executive Director
TIFAC

Date : 16th August 2007

Place : New Delhi

Replies to Audit queries “Annexure AR 1” TIFAC

1. Application for renewal of Income Tax exemption for the period from 01.04.2003 onwards was filed with Income Tax Department, New Delhi on 1st April 2004. No queries or objection has been raised by I.T. Department. However necessary notification granting exemption is yet to be issued by Income Tax Department. The Gazette notification from CBDT is awaited.
2. Wherever non payment of instalments are there the matter is being pursued with concerned beneficiaries for early payment of instalments. In certain cases legal actions have already been initiated.
3. Insurance in respect of assets hypothecated to TIFAC is done by the beneficiary concerned.
4. Since some current liabilities are under settlement the decision will be taken after settlement.
5. The matter has already been taken up for early settlement.
6. Action for transfer of amount into capital fund will be taken after completion of the Job.
7. DST is being requested to reimburse the amount to TIFAC.
8. The final settlement of Contractors bill is yet to be done. Earnest money will be adjusted at the time of settlement.
9. Action has been noted for filing the return in time.

Technology Information, Forecasting & Assessment Council Balance Sheet as on 31.03.2007

(Amount-Rs.)

	Schedule	Current Year	Previous Year
Corpus/Capital Fund and Liabilities			
Corpus / Capital Fund	1	643390439.97	836117412.78
Reserves and Surplus	2	0.00	0.00
Earmarked / Endowment Funds	3	0.00	0.00
Secured Loans and Borrowings	4	0.00	0.00
Unsecured Loans and Borrowings	5	0.00	0.00
Deferred Credit Liabilities	6	0.00	0.00
Current Liabilities and Provisions	7	38835570.06	38708386.00
Total		682226010.03	874825798.78
Assets			
Fixed Assets (Net)	8	92421430.25	103560155.85
Investments – From Earmarked/Endowment Funds	9	0.00	0.00
Investments – Others	10	0.00	0.00
Current assets, Loans, Advances etc.	11	544726708.78	726671454.93
Capital Work in Progress.	11A	45077871.00	44594188.00
Miscellaneous Expenditure (to the extent not written off or adjusted)			
Total		682226010.03	874825798.78
Significant Accounting Policies	45		
Contingent Liabilities and Notes on Accounts	46		

As per our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Executive Director
TIFAC

Date : 16th August 2007
Place : New Delhi

TIFAC (Regular Account)
Income and Expenditure Account For the Year Ended 31.03.2007

(Amount-Rs.)

Income	Schedule / Annexure	Current Year	Previous Year
Income from Sales/Services	Schedule 12	0.00	0.00
Grants/Subsidies	Schedule 13	7260000.00	13580000.00
Fees/Subscriptions	Schedule 14	1550.00	52285.00
Income from Investments	Schedule 15	0.00	0.00
Income from Royalty, Publication etc.	Schedule 16	351908.00	706194.00
Interest Earned	Schedule 17	15704052.00	16146962.00
Other Income	Schedule 18	400276.00	655643.00
Increase/(Decrease) in stock of Finished goods and Works-in-progress	Schedule 19	0.00	0.00
Refund from Projects	Schedule 20	27358421.00	47214751.00
Total (A)		51076207.00	200575835.00
Expenditure			
Establishment Expenses	Schedule 21	16449280.00	16207434.00
Other Administrative Expenses etc.	Schedule 22	10928552.50	13095777.50
Expenditure on Grant, Subsidies etc.	Schedule 23	63027270.00	69397117.00
Interest	Schedule 24	0.00	0.00
Depreciation (Net Total at the year end)	Schedule 8	11831484.60	12308701.97
Total (B)		102236587.10	111009030.47
Balance being excess of Income over Expenditure (A-B)		51160380.10	89566804.53
Balance being excess of Expenditure over Income (A-B)			
Transfer to Special Reserve (Specify each)			
Transfer to/from General Reserve		51160380.10	89566804.53
Balance Being Surplus (Deficit) Carried to Corpus/Capital Fund			
Significant Accounting Policies & Notes on Accounts			
Contingent Liabilities			

As per our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Executive Director
TIFAC

Date : 16th August 2007
Place : New Delhi

TIFAC
Technology Vision 2020
Income and Expenditure Account For the Year Ended 31.03.2007

(Amount-Rs.)

Income	Schedule / Annexure	Current Year	Previous Year
Grants/Subsidies	Schedule 25	0.00	0.00
Interest Earned	Schedule 26	11443911.00	10451433.00
Other Income	Schedule 27	0.00	2762.00
Refund from Project	Schedule 28	29287292.29	35694743.29
Total (A)		40731203.29	46148938.29
Expenditure			
Establishment /Administrative Expenses	Schedule 29	6104866.00	3065632.00
Project Expenditures	Schedule 30	120406744.00	123455710.00
Total (B)		126511610.00	126521342.00
Balance being excess of Income over Expenditure (A-B)			
Balance being excess of Expenditure over Income (A-B)		85780406.71	80372403.71
Balance being Deficit transferred to Corpus/Capital Fund		(-) 85780406.71	(-) 80372403.71

As per our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Executive Director
TIFAC

Date : 16th August 2007

Place : New Delhi

TIFAC
Patent Facilitating Centre
Income and Expenditure Account For the Year Ended 31.03.2007

(Amount-Rs.)

Income	Schedule / Annexure	Current Year	Previous Year
Grants/Subsidies	Schedule 31	12500000.00	15000000.00
Interest Earned	Schedule 32	0.00	0.00
Other Income	Schedule 33	186624.00	176292.00
Refund from Project		0.00	0.00
Total (A)		12686624.00	15176292.00
Expenditure			
Establishment / Administrative Expenses	Schedule 34	8410492.00	4023906.08
Project Expenditures	Schedule 35	6797515.00	4937279.00
Total (B)		15208007.00	8961185.08
Balance being excess of Income over Expenditure (A-B)			6215106.92
Balance being excess of Expenditure over Income (A-B)		2521383.00	
Balance being Surplus transferred to Corpus/Capital Fund		(-)2521383.00	6215106.92

As per our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Executive Director
TIFAC

Date : 16th August 2007

Place : New Delhi

TIFAC
Scholarship for Women Scientists
Income and Expenditure Account For the Year Ended 31.03.2007

(Amount-Rs.)

Income	Schedule / Annexure	Current Year	Previous Year
Grants/Subsidies	Schedule 36	900000.00	5485000.00
Interest Earned	Schedule 37	0.00	0.00
Other Income	Schedule 38	0.00	0.00
Refund from Projects		0.00	0.00
Total (A)		900000.00	5485000.00
Expenditures	Schedule 39	3000293.00	2965382.00
Total (B)		3000293.00	2965382.00
Balance being excess of Income over Expenditure (A-B)			2519618.00
Balance being excess of Expenditure over Income (A-B)		2100293.00	
Balance being Surplus transferred to Corpus/Capital Fund		(-) 2100293.00	2519618.00

As per our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Executive Director
TIFAC

Date : 16th August 2007

Place : New Delhi

TIFAC
CORE-Group on Automotive Research (CAR)
Income and Expenditure Account For the Year Ended 31.03.2007

(Amount-Rs.)

Income	Schedule / Annexure	Current Year	Previous Year
Grants/Subsidies	Schedule 40	0.00	30000000.00
Interest Earned	Schedule 41	0.00	0.00
Other Income	Schedule 42	0.00	0.00
Total (A)		0.00	30000000.00
Expenditure			
Establishment / Administrative Expenses etc.	Schedule 43	64131.00	320018.00
Project Expenditures	Schedule 44	51100379.00	21069551.00
Total (B)		51164510.00	21389569.00
Balance being excess of Income over Expenditure (A-B)			8610431.00
Balance being excess of Expenditure over Income (A-B)		51164510.00	
Balance being Surplus transferred to Corpus/Capital Fund		(-) 51164510.00	8610431.00

As per our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Executive Director
TIFAC

Date : 16th August 2007

Place : New Delhi

Technology Information Forecasting and Assessment Council (TIFAC) Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 1 - Corpus/Capital Fund

(Amount-Rs.)

	TIFAC	Vision 2020	Patent Facilitating Centre	Scholarship for Women Scientists	CORE-Group on Automotive Research (CAR)	Total	Previous Year Balance
Opening Balance	456485061.01	307544029.45	6686679.32	1819135.00	63582508.00	836117412.78	845230516.64
Excess of Income Over Expenditure	0.00	0.00	0.00	0.00	0.00	0.00	106911960.45
Total	456485061.01	307544029.45	6686679.32	1819135.00	63582508.00	836117412.78	952142477.09
Excess of Expenditure over Income	51160380.10	85780406.71	2521383.00	2100293.00	51164510.00	192726972.81	80372403.71
	0.00	0.00	0.00	0.00	0.00	0.00	1750103.40
Amount Transferred to NMBA	0.00	0.00	0.00	0.00	0.00	0.00	33902557.20
Total	51160380.10	85780406.71	2521383.00	2100293.00	51164510.00	192726972.81	116025064.31
Closing Balance	405324680.91	221763622.74	4165296.32	(281158.00)	12417998.00	643390439.97	836117412.78

Schedule 2 - Reserve and Surplus :

(Amount-Rs.)

	Current Year	Previous Year
1. Capital Reserve :		
As per last Account	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
2. Revaluation Reserves :		
As per last Account	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
3. Special Reserve :		
As per last Account	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
4. General Reserve :		
As per last Account	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
TOTAL	0.00	0.00

Technology Information, Forecasting & Assessment Council Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 3 - Earmarked/Endowment Funds

(Amount-Rs.)

	Current Year	Previous Year
a) Opening Balance of the funds	0.00	0.00
b) Additions to the Funds:		
i) Donations /grants	0.00	0.00
ii) Income from investments made on account of funds	0.00	0.00
iii) Other Additions (Specify)		
TOTAL (a + b)	0.00	0.00
c) Utilization /Expenditure towards objectives of funds		
i) Capital Expenditure	0.00	0.00
Fixed Assets	0.00	0.00
Others	0.00	0.00
ii) Revenue Expenditure		
Salary, Wages and allowance etc	0.00	0.00
Rent	0.00	0.00
Other Administrative Expenses	0.00	0.00
TOTAL (c)	0.00	0.00
Net Balance as at the year end (a + b- c)	0.00	0.00

Notes

- 1) Disclosures shall be made under relevant Heads based on conditions attaching to the Grants.
- 2) Plan Funds received from Central /State Governments are to be shown as separate Funds and not to be mixed up with any other Funds

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Balance Sheet As At 31.03.2007

Schedule 4 - Secured Loans and Borrowings:

(Amount-Rs.)

	Current Year	Previous Year
1. Central Government	0.00	0.00
2. State Government (Specify)	0.00	0.00
3. Financial Institutions		
a) Term Loans	0.00	0.00
b) Interest accrued and due	0.00	0.00
4. Banks:		
a) Term Loans	0.00	0.00
- Interest accrued and due	0.00	0.00
b) Other Loans (specify)	0.00	0.00
- Interest accrued and due	0.00	0.00
5. Other Institutions and Agencies	0.00	0.00
6. Debentures and Bonds	0.00	0.00
7. Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

Note : Amounts due within one year

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 5 - Unsecured Loans and Borrowings

(Amount-Rs.)

	Current Year	Previous Year
1. Central Government	0.00	0.00
2. State Government (Specify)	0.00	0.00
3. Financial Institutions	0.00	0.00
4. Banks:		
a) Term Loans	0.00	0.00
b) Other Loans (specify)	0.00	0.00
5. Other Institutions and Agencies	0.00	0.00
6. Debentures and Bonds	0.00	0.00
7. Fixed Deposits	0.00	0.00
8. Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

Note : Amounts due within one year

Schedule 6 - Deferred Credit Liabilities

(Amount-Rs.)

	Current Year	Previous Year
a) Acceptances secured by hypothecation of Capital equipment and other assets	0.00	0.00
b) Others	0.00	0.00
TOTAL	0.00	0.00

Note : Amounts due within one year

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 7 - Current Liabilities and Provisions

(Amount-Rs.)

	Current Year	Previous Year
A. CURRENT LIABILITIES		
1. Acceptances		
2. Sundry Creditors:		
a) For Goods	0.00	0.00
b) Others	0.00	0.00
3. Advances Received		
Development of project for High purity magnesia	78680.00	78680.00
4. Interest accrued but not due on:		
a) Secured Loans/borrowings	0.00	0.00
b) Unsecured Loans /borrowings	0.00	0.00
5. Statutory Liabilities:		
a) Over dues	0.00	0.00
b) Others	0.00	0.00
6. Other current Liabilities		
1) Salary Payable (Prof. Ganapathy)	1800.00	1800.00
2) Nominal Charges for Dissemination of TIFAC Report	6183.00	6183.00
3) Security Ecorel Multitech System	10730.00	10730.00
4) Earnest Money (Mannu Lal and Sons.)	500000.00	500000.00
5) Security Deposit		
Matrix Power products	15741.00	15741.00
Union Tech India P.Ltd	81017.00	81017.00
Apex Peripherals (I) Pvt. Ltd.	1845.00	1845.00
System Technology	1695.00	1695.00
M/s Mannu Lal & Sons (Electrical Works)	188564.00	188564.00
M/s Graphic System Pvt Ltd	89454.00	89454.00
M/s Impressions Services Pvt. Ltd.	30000.00	30000.00
Stale Cheque	142907.06	0.00
7) Expenses Payable	2529218.00	3887992.00
10) Project ICOSER	10663154.00	10663154.00
11) Indian Myanmar S&T Friendship library in yangon.	959659.00	959659.00
12) Indian Copper Market Focus on Recyclable	225916.00	225916.00

(Amount-Rs.)

	Current Year	Previous Year
13) MSEB-Ash Utilization / Management	3699020.00	2094887.00
14) FAM Large Scale Stowing of HWP Pond Ash into the underground Mines of SCCL (M) Manuguru	8294830.00	8294830.00
15) Earth Quake Surviving Nature's Fury	142557.00	560057.00
16) Earnest Money : M/s Geo – Hydromechs (India) Roorkee.	17750.00	47750.00
17) Earnest Money : M/s Crompton Greaves (EPBAX Work & Lan Work).	15000.00	15000.00
18) Earnest Money : M/s Impression Pvt Ltd, House Keeping Work of TIFAC Building.	20000.00	20000.00
19) Earnest Money : M/s HCL Infosystem Ltd	0.00	50000.00
20) Fly Ash Sponsorship for National Seminar-cum-Business Meet.	285268.00	317468.00
21) DRDO – PFC	178927.00	732851.00
22) Sundry Creditor : M/s H.R.Electronics Pvt Ltd	0.00	8490.00
24) GSLIS	133.00	27.00
26) Pm's Relief Fund (TSUNAMI)	18128.00	18128.00
27) MPSEB use of Fly Ash in Agriculture Development Thermal Power Plants, Sarni	1033250.00	1112250.00
28) BASIC (Building and Strenthening Institutional Capacity for Climate Change.	372715.00	78705.00
29) INDO-ISRAELI Workshop	182637.00	347395.00
30) INDO-US Technology Management & Exchanges	0.00	346076.00
31) Sh.Samson Geroge (L.T.A loan and Scooter Loan)	15500.00	3500.00
32) Sh.S.S.L Gupta (Legal Charges Payable)	0.00	1020.00
33) Fly Ash International Congress		
- Sponsorship for Seminar	2608400.00	2608400.00
- Exhibitions/Delegation Fee (Foreign Delegate)	1702593.00	1702593.00
- Delegation Fee for international Seminar	2517806.00	2208029.00
- Exhibition Fee for International Seminar	762000.00	762000.00
- Proceeding Book/Project site	11500.00	11500.00
- Sundry Creditor : M/s APL Poly Fab Pvt Ltd	900000.00	600000.00
34) Pending Work (M/s Mannu Lal & Sons)	25000.00	25000.00
35) DST-BMBF (Germany)	104586.00	0.00
36) Interest HBA : Sh. N.S.Nair	12000.00	0.00

(Amount-Rs.)

	Current Year	Previous Year
37) Medical Scheme	67192.00	0.00
38) Sundry Creditor : Sh.Ramesh Kumar K	975.00	0.00
39) Sundry Creditor : IIT Bombay CPF Subscription –Prof. Anand Patwardhan	21240.00	0.00
TOTAL (A)	38835570.06	38708386.00
B. PROVISIONS		
1. For Taxation	0.00	0.00
2. Gratuity	0.00	0.00
3. Superannuation /Pension	0.00	0.00
4. Accumulated Leave Encashment	0.00	0.00
5. Trade Warranties/Claims	0.00	0.00
6. Others (Specify)	0.00	0.00
TOTAL (B)	0.00	0.00
TOTAL (A + B)	38835570.06	38708386.00

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 8 - Fixed Assets

(Amount-Rs.)

Description	Gross Block				Depreciation				Net Block	
	Cost/ valuation As at beginning of the year	Additions during the year	Deductions during the year	Cost/ valuation at the year end	As at the beginning of the year	On Additions during the year	On Deductions during the year	Total upto the year end	As at the current year end	As at the previous year end
A. Fixed Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. a) Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b) Leasehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
a) On Freehold Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b) On Leasehold Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c) Ownership Flats/ Premises	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
d) Superstructures on Land not belonging to the entity	117850000.00	0.00	0.00	117850000.00	22391500.00	9545850.00	0.00	31937350.00	85912650.00	95458500.00
3. Plant Machinery & Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Vehicles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Furniture & Fixtures	1551913.60	58146.00	0.00	1610059.60	1025342.49	56576.01	0.00	1081918.50	528141.10	526571.11
6. Office Equipment	19892747.06	35094.00	8490.00	19919351.06	13789354.62	919338.81	0.00	14708693.43	5210657.63	6103392.44
7. Computer/Peripherals	3326262.00	563591.00	0.00	3889853.00	2016987.20	1115537.28	0.00	3132524.48	757328.52	1309274.80
8. Electric Installations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Library Books	5240948.55	44418.00	0.00	5285366.55	5078531.05	194182.50	0.00	5272713.55	12653.00	162417.50
10. Tubewell & W. Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Other Fixed Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total of Current Year	147861871.21	701249.00	8490.00	148554630.21	44301715.36	11831484.60	0.00	56133199.96	92421430.25	103560155.85
Previous Year	145265128.21	2596743.00	0.00	147861871.21	31993013.39	12308701.97	0.00	44301715.36		
B. Capital work in progress										

Cost of Assets on hire purchase basis included above

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 9 - Investments From Earmarked / Endowment Funds

(Amount-Rs.)

	Current Year	Previous Year
1. In Government Securities	0.00	0.00
2. Other approved Securities	0.00	0.00
3. Shares	0.00	0.00
4. Debentures and Bonds	0.00	0.00
5. Subsidiaries and Joint Ventures	0.00	0.00
6. Others (to be specified)	0.00	0.00
TOTAL	0.00	0.00

Schedule 10 - Investments - Others

(Amount-Rs.)

	Current Year	Previous Year
1. In Government Securities	0.00	0.00
2. Other approved Securities	0.00	0.00
3. Shares	0.00	0.00
4. Debentures and Bonds	0.00	0.00
5. Subsidiaries and Joint Ventures	0.00	0.00
6. Others (to be specified)	0.00	0.00
TOTAL	0.00	0.00

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 11 - Current Assets, Loans, Advances etc.

(Amount-Rs.)

	Current Year		Previous Year	
A. CURRENT ASSETS				
1. Inventories:				
a) Stores and Spares	0.00		0.00	
b) Loose Tools	0.00		0.00	
c) Stock-in-trade				
Finished Goods	0.00		0.00	
Work-in-progress	0.00		0.00	
Raw Materials	0.00		0.00	0.00
2. Sundry Debtors:				
Sundry Debtor – DST	2639680.00		2723211.00	
Sundry Debtors-MTNL	5357.00		5357.00	
Sundry Debtors – Honorarium	5000.00		5000.00	
Sundry Debtor – STM	40000000.00		40000000.00	
Sundry Debtor – Cabinet Sectt.	0.00	42650037.00	452549.00	43186117.00
3. Cash balances in hand (including cheques/drafts and imprest)		3097.00		11764.00
4. Bank Balances:				
a) With Scheduled Banks: (Union Bank of India)				
On Current Accounts	0.00		0.00	
On Deposit Accounts (Short term deposits)	468888065.00		649687825.00	
On Savings Accounts	26094134.23		27804474.44	
On Interest Receivable	0.00	494982199.23	0.00	677492299.44
				0.00
0) With non-Scheduled Banks:				
On Current Accounts		0.00		0.00
On Deposit Accounts		0.00		0.00
On Savings Accounts		0.00		0.00
5. Post Office-Savings Accounts		0.00		0.00
TOTAL (A)		537635333.23		720690180.44

(Amount-Rs.)

	Current Year		Previous Year	
B. LOANS, ADVANCES AND OTHER ASSETS				
1. Loans a) Staff		985628.00		992968.00
2. Advance and other amounts recoverable in cash or in kind or for value to be received.				
a) On capital Account				
1) Advance for projects materials				
IIM Bangalore	2630.00		2630.00	
SAIL NMPP.	19736.55	22366.55	19736.55	22366.55
b) Prepayments		0.00		0.00
c) Others				
- Advance : Franking Machine	14307.00		40142.00	
- Security Deposit Lease Accommodation (Sh.G.Srinivas)	29500.00		29500.00	
- Security Deposit with Hauz Khas P.O.	17.00		17.00	
- Security Deposit MTNL	67500.00		67500.00	
- Advance to BISR (Haldwani)	76173.00		76173.00	
- Construction of Reception Office (DST)	3259953.00		3259953.00	
- Advance : Le-Meridian Hotel	489.00		489.00	
- Security Deposit:S.R.Enterprises	2700.00		2700.00	
- Security Deposit Tata Teleservices Ltd.	16000.00		16000.00	
- Advance : Rao Travels	0.00		16250.00	
- Security Deposit : M/s Mannu Lal & Sons	47986.00	3514625.00	47986.00	3556710.00
3. Income Accrued:-				
a) On Investments from Earmarked/ Endowment Funds	0.00		0.00	
b) On Investment – Others	0.00		0.00	
c) On Loans and Advances	0.00		0.00	
d) Others (includes income due unrealized Rs.)	0.00		0.00	0.00
4. Claims Receivable				
Interest HBA : Dr. D.N. Singh		4518.00		49518.00
Security Deposit : Guest House (Sarupriya Vihar)		75000.00		75000.00
Sundry Debtor : M/s Subramaniam Natraj & Associates		0.00		1435.00
Advance : Ashok Hotel		200000.00		200000.00
CPF		732.00		732.00

(Amount-Rs.)

	Current Year		Previous Year	
Sundry Debtor : NMBA		0.00		71748.00
Stale Cheque		0.00		223163.94
International Congress Seminar Expenses		2086341.00		787633.00
Advance : DAVP		119538.00		0.00
Advance : India International Centre		15003.00		0.00
Advance : BAIF Development Research Foundation, Pune		50000.00		0.00
Security Deposit (Directorate of Estate)		2400.00		0.00
Sundry Debtor : Fly Ash Consultancy Account		11224.00		0.00
Sundry Debtor : Assistant Director, Institute of Secretarial Training & Management		4000.00		0.00
Total – B		7091375.55		5981274.49
Total (A + B)		544726708.78		726671454.93

Schedule 11A - Capital Fund in Progress

(Amount-Rs.)

	Current Year		Previous Year	
i) Advance Mobilisation (HVAC)	986413.00		986413.00	
ii) Interior Work of TIFAC Building(Civil/Elect)	44091458.00	45077871.00	43607775.00	44594188.00
		45077871.00		44594188.00

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule 12 - Income From Sales / Services

(Amount-Rs.)

	Current Year	Previous Year
1. Income from Sales		
a) Sale of finished Goods	0.00	0.00
b) Sale of Raw Material	0.00	0.00
c) Sale of Scraps	0.00	0.00
2. Income from Services		
a) Labour and Processing Charges	0.00	0.00
b) Professional/Consultancy Services	0.00	0.00
c) Agency Commissions and Brokerage	0.00	0.00
d) Maintenance Services (Equipment/Property)	0.00	0.00
e) Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

Schedule 13 - Grants/Subsidies (TIFAC Regular)

(Amount-Rs.)

	Current Year	Previous Year
(Irrevocable Grants & Subsidies Received)		
1. From Central Government		
A. TIFAC GRANTS		
Grants in Aid (Plan)	6500000.00	13500000.00
Grant in Aid (Non plan)	760000.00	800000.00
2. State Government(s)		
3. Government Agencies		
4. Institutions/Welfare Bodies		
5. International Organisations		
6. Others (Specify)		
TOTAL	7260000.00	135800000.00

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule 14 - Fees/Subscriptions

(Amount-Rs.)

	Current Year	Previous Year
1. Entrance Fees	0.00	0.00
2. Annual Fees/Subscriptions	0.00	0.00
3. Seminar/Program Fees	0.00	0.00
4. Consultancy Fees	0.00	0.00
5. Others (Specify)		
i) Tender Form for Disposal of Old Items	1400.00	0.00
ii) Tender for Car Hiring Account	0.00	5000.00
iii) Technology Transfer Fee	0.00	47195.00
iv) RTIA Questions	150.00	90.00
TOTAL	1550.00	52285.00

Schedule 15 - Income from Investments

(Amount-Rs.)

	Investment from Earmarked Fund		Investment – Others	
	Current Year	Previous Year	Current Year	Previous Year
(Income on Invest. From Earmarked/ Endowment Funds transferred to Funds)				
1. Interest				
a) On Govt. Securities	0.00		0.00	0.00
b) Other Bonds/Debentures	0.00		0.00	0.00
2. Dividends:				
a) On Shares	0.00		0.00	0.00
b) On Mutual Fund Securities	0.00		0.00	0.00
3. Rents	0.00		0.00	0.00
4. Others (Specify)	0.00		0.00	0.00
TOTAL	0.00		0.00	0.00

Transferred to Earmarked/Endowment Funds

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule 16 - Income From Royalty, Publication Etc.

(Amount-Rs.)

	Current Year	Previous Year
1. Income from Royalty : Fertilizer Encyclopedia	0.00	400000.00
2. Income from Publications	351908.00	306194.00
TOTAL	351908.00	706194.00

Schedule 17 - Interest Earned (Regular)

(Amount-Rs.)

	Current Year	Previous Year
1. On Term Deposits:		
a) With Scheduled Banks	14987304.00	7656295.00
b) With Non-Scheduled Banks	0.00	0.00
c) With Institutions	0.00	0.00
d) Others	0.00	0.00
2. On Savings Accounts:		
a) With Scheduled Banks	709779.00	8479389.00
b) With Non-Scheduled Banks	0.00	0.00
c) Post Office Savings Accounts	0.00	0.00
d) Others	0.00	0.00
3. On Loans:		
a) Employees/Staff	6969.00	11278.00
b) Others (Long term advances)	0.00	0.00
4. Interest on Debtors and Other Receivables	0.00	0.00
TOTAL	15704052.00	16146962.00

Note - Tax deducted at source to be indicated

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Income & Expenditure for the Period/Year Ended 31.03.2007

Schedule 18 - Other Income

(Amount-Rs.)

	Current Year	Previous Year
1. Profit on Sale/disposal of Assets		
a) Owned assets	0.00	0.00
2. Assets acquired out of grants, or received free of cost	0.00	0.00
3. Export Incentives realized	0.00	0.00
4. Fees for Miscellaneous Services	0.00	0.00
5. Miscellaneous Income		
- Other receipts (computers)	19500.00	10500.00
- Other receipts	375737.00	133765.00
- Other receipt (TMS Study on Fuel Cell)	0.00	326.00
- Leave Salary & Pension Contribution	5039.00	0.00
- Foreign Exchanger Transfer	0.00	485907.00
- Bank Charges	0.00	15921.00
- STAP Technical Workshop	0.00	9224.00
TOTAL	400276.00	655643.00

Schedule 19 - Increase/(Decrease) in Stock of Finished Goods & Work in Progress

(Amount-Rs.)

	Current Year	Previous Year
a). Closing stock		
- Finished Goods	0.00	0.00
- Work-in-progress	0.00	0.00
b) Less: Opening Stock		
- Finished Goods	0.00	0.00
- Work-in-progress	0.00	0.00
NET INCREASE/(DECREASE) [a-b]	0.00	0.00

Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Income & Expenditure for the Period/Tear Ended 31.03.2007

Schedule 20 - Refund From Projects (TIFAC Regular Accounts)

(Amount-Rs.)

	Current Year	Previous Year
1. Home Grown Technology	20900801.00	34680111.00
2. Fly Ash Utilisation Programme	125000.00	363280.00
3. Advanced Composites Programme	6332620.00	12046360.00
4. TePP Project	0.00	125000.00
TOTAL	27358421.00	47214751.00

Schedule 21 - Establishment Expenses (TIFAC Regular)

(Amount-Rs.)

	Current Year	Previous Year
a) Salaries	14859957.00	13972950.00
b) Allowances and Bonus	0.00	0.00
c) TIFAC Contribution to Provident Fund	23850.00	1322270.00
d) Contribution to Other Fund (specify)	0.00	0.00
e) Benefits(Gratuity)	0.00	0.00
g) Others (Specify)		
- Consulting charges	96984.00	0.00
- Honorarium	132714.00	32245.00
- Medical Expenses	821495.00	694774.00
- Leave Travel Concession	514280.00	53113.00
- Leave Salary & Pension Contribution	0.00	35638.00
- Gratuity	0.00	96444.00
TOTAL	16449280.00	16207434.00

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule 22 - Administrative Expenses Etc.

(Amount-Rs.)

	Current Year	Previous Year
a) Repairs and maintenance	334944.00	468044.00
b) Rent, Rates and Taxes	449010.00	342350.00
c) Car Hire Charges	1323690.00	1131683.00
d) Postage, Telephone and Communication Charges	2401439.00	2583017.00
e) Printing and Stationary	1600135.00	1836246.00
f) Travelling and Conveyance Expenses	171820.00	597474.50
g) Subscription Expenses	872633.00	1070730.00
h) Expenses on Fees (Tuition fee)	6680.00	5970.00
i) Auditors Remuneration	20491.00	19396.00
j) Advertisement and Publicity	159670.00	244943.00
k) Others (Specify)		
- Bank Charges	3119.00	0.00
- MISC. Office Expenses	2258836.00	2048829.00
- TIFAC Membership	11224.00	22040.00
l) Maintenance of Vishwakarma Bhavan	0.00	1000000.00
m) Legal Charges	593898.00	495036.00
n) Electricity Charges to IIT Delhi (TIFAC Building A-Wing)	0.00	1172300.00
o) Rajabhasha Committee Meeting	14000.00	55912.00
p) Asian India Workshop	0.00	1807.00
q) Travel Abroad	706963.50	0.00
TOTAL	10928552.50	13095777.50

Technology Information Forecasting and Assessment Council (TIFAC) (Regular) Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule 23 - Expenditure on Grants, Subsidies etc.

(Amount-Rs.)

	Current Year	Previous Year
a) Grants given to Institutions/Organisations Project Expenditure	63027270.00	69397117.00
b) Subsidies given to Institutions/Organisations		0.00
TOTAL	63027270.00	69397117.00

Note : Name of the Entities, their Activities along with the amount of Grants/Subsidies are to be disclosed.

Schedule 24 - Interest

(Amount-Rs.)

	Current Year	Previous Year
a) On Fixed Loans (Including Bank Charges)	0.00	0.00
b) On Other Loans (including Bank Charges)	0.00	0.00
c) Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

TIFAC Technology Vision 2020 Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule 25 - Grants/Subsidies (Vision 2020)

(Amount-Rs.)

	Current Year	Previous Year
(Irrevocable Grants & Subsidies Received)		
1. From Central Government		
A. Technology Vision 2020 GRANTS		
Grants in Aid (Plan)	0.00	0.00
Grant in Aid (Non plan)	0.00	0.00
2. State Government(s)	0.00	0.00
3. Government Agencies	0.00	0.00
4. Institutions/Welfare Bodies	0.00	0.00
5. International Organisations	0.00	0.00
6. Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

Schedule 26 - Interest Earned

(Amount-Rs.)

	Current Year	Previous Year
On Term Deposits:		
a) With Scheduled Banks	11443911.00	10451433.00
b) With Non-Scheduled Banks	0.00	0.00
c) With Institutions	0.00	0.00
d) Others	0.00	0.00
TOTAL	11443911.00	10451433.00

Note : Tax deducted at source to be indicated

TIFAC Technology Vision 2020
Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule - 27

(Amount-Rs.)

	Current Year	Previous Year
Other Income (Agriculture)	0.00	0.00
Sponsorship Fee from ONGC	0.00	0.00
Bank Charges	0.00	962.00
Other Income	0.00	1800.00
TOTAL	0.00	2762.00

Schedule - 28

(Amount-Rs.)

	Current Year	Previous Year
Refund from Project (Technology Vision 2020)	29287292.29	35694743.29
TOTAL	29287292.29	35694743.29

Schedule - 29

(Amount-Rs.)

	Current Year	Previous Year
Establishment & Administrative Expenditure (Annexure 6)	6104866.00	3065632.00
TOTAL	6104866.00	3065632.00

Schedule - 30

(Amount-Rs.)

	Current Year	Previous Year
Project Expenditure (Annexure 6 A)	120406744.00	123455710.00
TOTAL	120406744.00	123455710.00

TIFAC Patent Facilitating Centre Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule 31 - Grants/Subsidies

(Amount-Rs.)

	Current Year	Previous Year
(Irrevocable Grants & Subsidies Received)		
1. From Central Government		
A. Patent Facilitating Centre GRANTS		
Grants in Aid (Plan)	12500000.00	15000000.00
Grant in Aid (Non plan)	0.00	0.00
2. State Government(s)	0.00	0.00
3. Government Agencies	0.00	0.00
4. Institutions/Welfare Bodies	0.00	0.00
5. International Organisations	0.00	0.00
6. Others (Specify)	0.00	0.00
TOTAL	12500000.00	15000000.00

Schedule 32 - Interest Earned

(Amount-Rs.)

	Current Year	Previous Year
1. On Term Deposits:		
a) With Scheduled Banks -	0.00	0.00
b) With Non-Scheduled Banks	0.00	0.00
c) With Institutions	0.00	0.00
d) Others	0.00	0.00
TOTAL	0.00	0.00

Note - Tax deducted at source to be indicated

TIFAC Patent Facilitating Centre
Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule - 33

(Amount-Rs.)

	Current Year	Previous Year
Other Income	186624.00	176292.00
TOTAL	186624.00	176292.00

Schedule - 34

(Amount-Rs.)

	Current Year	Previous Year
Establishment & Administrative Expenditure	8410492.00	4023906.08
TOTAL	8410492.00	4023906.08

Schedule - 35

(Amount-Rs.)

	Current Year	Previous Year
Project Expenditure	6797515.00	4937279.00
TOTAL	6797515.00	4937279.00

TIFAC Scholarship for Women Scientists Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule 36 - Grants/Subsidies

(Amount-Rs.)

	Current Year	Previous Year
(Irrevocable Grants & Subsidies Received)		
1. From Central Government		
A. Scholarship for Women Scientists Grants		
Grants in Aid (Plan)	900000.00	5485000.00
Grant in Aid (Non plan)	0.00	0.00
2. State Government(s)	0.00	0.00
3. Government Agencies	0.00	0.00
4. Institutions/Welfare Bodies	0.00	0.00
5. International Organisations	0.00	0.00
6. Others (Specify)	0.00	0.00
TOTAL	900000.00	5485000.00

Schedule 37 - Interest Earned

(Amount-Rs.)

	Current Year	Previous Year
1. On Term Deposits:		
a) With Scheduled Banks	0.00	0.00
b) With Non-Scheduled Banks	0.00	0.00
c) With Institutions	0.00	0.00
d) Others	0.00	0.00
TOTAL	0.00	0.00

Note - Tax deducted at source to be indicated

TIFAC Scholarship For Women Scientists

Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule - 38

(Amount-Rs.)

	Current Year	Previous Year
Other Income	0.00	0.00
TOTAL	0.00	0.00

Schedule - 39

(Amount-Rs.)

	Current Year	Previous Year
Expenditure (Stipend to women Scientist including exam expenses)	3000293.00	2965382.00
TOTAL	3000293.00	2965382.00

TIFAC CORE-Group on Automotive Research (CAR)
Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule 40 - Grants/Subsidies

(Amount-Rs.)

	Current Year	Previous Year
(Irrevocable Grants & Subsidies Received)		
1. From Central Government		
A. CORE-Group on Automotive Research (CAR)		
Grants in Aid (Plan) (PSA)	0.00	0.00
Grants in Aid (Plan) (Heavy Industries)	0.00	30000000.00
Grant in Aid (Non plan)	0.00	0.00
2. State Government(s)	0.00	0.00
3. Government Agencies	0.00	0.00
4. Institutions/Welfare Bodies	0.00	0.00
5. International Organisations	0.00	0.00
6. Others (Specify)	0.00	0.00
TOTAL	0.00	30000000.00

Schedule 41 - Interest Earned

(Amount-Rs.)

	Current Year	Previous Year
1. On Term Deposits:		
a) With Scheduled Banks	0.00	0.00
b) With Non-Scheduled Banks	0.00	0.00
c) With Institutions	0.00	0.00
d) Others	0.00	0.00
TOTAL	0.00	0.00

Note - Tax deducted at source to be indicated

TIFAC CORE-Group on Automotive Research (CAR)
Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2007

Schedule - 42

(Amount-Rs.)

	Current Year	Previous Year
Other Income	0.00	0.00
TOTAL	0.00	0.00

Schedule - 43

(Amount-Rs.)

	Current Year	Previous Year
Establishment & Administrative Expenditure	64131.00	320018.00
TOTAL	64131.00	320018.00

Schedule - 44

(Amount-Rs.)

	Current Year	Previous Year
Project Expenditure	51100379.00	21069551.00
TOTAL	51100379.00	21069551.00

Technology Information, Forecasting & Assessment Council Schedules Forming Part of Accounts for the Period Ended 31.03.2007

Schedule - 45

ACCOUNTING POLICIES AND NOTES TO THE ACCOUNTS FOR THE YEAR ENDING 31ST MARCH, 2007

A) ACCOUNTING POLICIES

- 1 The Council has adopted Mercantile System of the Accounting.
- 2 Fixed Assets are shown at cost Less Depreciation.
- 3 Prior period and extra ordinary items and changes in accounting policies having material impact on the financial affairs of the Council are disclosed.
- 4 Depreciation has been calculated as per Income Tax Act, 1961. Deviation are as per Note B(1) below.
- 5 Amounts released under various projects are accounted as expenditure for the year in which the same are released, irrespective of the fact that the amounts so released may not have been fully utilised towards the projects during the accounting year.
- 6 Unspent amount of grant received during the year for specific purposes has transferred to Capital Account.
- 7 The repayment of grant / assistance to TIFAC by the beneficiaries, as per condition stated in agreements with them shall be accounted on receipt basis.
- 8 All disbursements for projects are treated as expenditure during the Financial Year and assets created, if any, out of the said disbursements to the project, are not accounted for as assets in the books.
- 9 Contingent liabilities in respect of on-going Projects / Studies etc. are neither provided nor determined.
- 10 Total expenditure is not bifurcated in plan and non plan expenditures in financial statements.

B) NOTES TO THE ACCOUNTS

- 1 Depreciation amount Rs.11831484.60 has been provided during the financial year 2006-2007 but depreciation is not provided for Fixed Assets created in respect of following project (i.e expenditure on Fixed Assets treated as Revenue Expenditure)-Capital Expenditure of Vision 2020-Capital Expenditure of Patent Facilitating Centre-Capital Expenditure of National Mission on Bamboo Applications.
- 2 Stock of Publications and Studies, which are published and printed by the Council and distributed at a cost are not accounted for as Stock in hand at the end of the year.
- 3 Expenses for purchase of Capital Goods debited to grants utilized and not shown as fixed assets in the final statements are as below:

	Current Year (Rs.)	Previous Year (Rs.)
Capital Expenditure of Visio 2020		
Furniture	0.00	4972.00
Office Equipment	0.00	1699.00
Computer/Peripherals	151922.00	23180.00
Library Book	297.00	0.00
Patent Facilitating Centre		
Office Equipment	0.00	0.00
Computer	0.00	4576.00
Furniture	0.00	0.00

4. Other Receipts (Referred to Schedule 18) reduced by Rs.215574/- as the same has been booked as income twice in earlier year.
5. Audited financial statements / utilization statements duly certified by Chartered Accountants in respect of grant utilized / released during the year has not yet been received in some cases from the implementing agencies.
6. There are no query / note by parliament / Department of Science and Technology outstanding in respect of previous audited accounts of TIFAC. This is as certified by the registrar.
7. Previous year figures have been regrouped wherever necessary, to make them comparable with current year figures.
8. Accounts have been prepared as per New format provided by CAG for Non-profit organization. Previous year's figures have also been re-arranged as per new format. The format for Income & Expenditure A/cs has been changed in order to reflect all types of grants received by TIFAC in the account. The previous year's figures have been regrouped accordingly in the Income & Expenditure Account.
9. Liability towards gratuity payable on death / retirement of employees is not provided for.
10. Provision for accumulated leave encashment benefit to employees is not provided for.
11. Necessary Provision has been made for the following Expenses

Salary	1809309.00
Audit Fees	19754.00
Repair & Maintenance	30205.00
Car Hire Charges	118314.00
Telephone Expenses	58814.00
Other Expenses	492801.00

for **Rakesh Raj & Associates**

Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar
TIFAC

-Sd-
Executive Director
TIFAC

Date : 16th August 2007

Place : New Delhi

Technology Information, Forecasting & Assessment Council Schedules Forming Part of Accounts for the Period Ended 31.03.2007

Schedule 46 - Contingent Liabilities and Notes on Accounts (Illustrative)

1. Contingent Liabilities

1.1. Claims against the Entity not acknowledged as debts - Rs. NIL (Previous year Rs. NIL)

1.2. In respect of

– Bank guarantees given by/on behalf of the Entity - Rs. NIL (Previous year Rs. NIL)

– Letters of Credit opened by Bank on behalf of the Entity – Rs. NIL (Previous year Rs. NIL)

– Bills discounted with banks Rs. NIL (Previous year Rs. NIL)

1.3. Disputed demands in respect of :

Income-tax Rs. NIL (Previous year Rs. NIL)

Sales-tax Rs. NIL (Previous year Rs. NIL)

Municipal Taxes Rs. NIL (Previous year Rs. NIL)

1.4. In respect of claims from parties for non-execution of orders, but contested by the Entity - Rs. NIL (Previous year Rs. NIL)

2. Capital Commitments

Estimated value of contracts remaining to be executed on capital account and not provided for (net of advances) Rs. NIL (Previous year Rs. NIL)

3. Lease Obligations

Future obligations for rentals under finance lease arrangements for plant and machinery amount to Rs. NIL (Previous year Rs. NIL)

4. Current Assets, Loans And Advances

In the opinion of the Management, the current assets, loans and advances have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet.

5. Taxation

In view of there being no taxable income under Income-tax Act 1961, no provision for Income Tax has been considered necessary.

Technology Information, Forecasting & Assessment Council Schedules Forming Part of Accounts for the Period Ended 31.03.2007

Schedule 46 - Contingent Liabilities and Notes on Accounts (Illustrative) - Contd.

6. FOREIGN CURRENCY TRANSACTIONS

(Amount-Rs.)

	Current Year	Previous Year
6.1. Value of Imports Calculated on C.I.F. Basis:		
- Purchase of finished Goods	N.A.	N.A.
- Raw Materials & Components (Including in transit)	N.A.	N.A.
- Capital Goods	N.A.	N.A.
- Stores, Spares and Consumables	N.A.	N.A.
6.2. Expenditure in foreign currency:		
a) Travel	N.A.	N.A.
b) Remittances and Interest payment to Financial Institutions/ Banks in Foreign Currency	N.A.	N.A.
c) Other expenditure:		
- Commission on Sale	N.A.	N.A.
- Legal and Professional Expenses	N.A.	N.A.
- Miscellaneous Expenses	N.A.	N.A.
6.3. Earnings:		
Value of Exports on FO basis	N.A.	N.A.
6.4. Remuneration to auditors:		
As Auditors	0.00	0.00
- Taxation matters	0.00	0.00
- For Management services	0.00	0.00
- For certificate	0.00	0.00
Others		

7. Corresponding figures for the previous year have been regrouped/rearranged, wherever necessary.

8. Schedules 1 to 46 are annexed to and form an integral part of the Balance Sheet as at 31.03.2007 and the Income and Expenditure Account for the year ended on that date.

Technology Information Forecasting & Assessment Council Receipts & Payments for the Period the Year Ended 31.3.2007

Receipts

Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
I) Opening Balances		
a) Cash in hand	11764.00	39518.00
b) Bank Balances		
i) In current accounts	0.00	0.00
ii) In Deposit accounts	649687825.00	385475070.00
iii) Savings accounts	27804474.44	281816495.33
c) Advance for franking machine	40142.00	36675.00
II) Grants Received		
a) From Government of India- Plan (TIFAC)	6500000.00	135000000.00
b) From Government-Non Plan	760000.00	800000.00
c) From State Government	0.00	0.00
d) From Government of India-Plan (Vision 2020)	0.00	0.00
e) From Government of India- Bamboo Composite Laminates	0.00	0.00
f) From Government of India-CORE-Group on Automotive Research	0.00	30000000.00
g) Scholarship for women scientist	900000.00	5485000.00
III) Income From Investments		
a) Earmarked/Endow. Funds	0.00	0.00
b) Own fund	0.00	0.00
IV) Interest Received		
a) On Bank Deposits (TIFAC)	15697083.00	16135684.00
b) Loans Advances etc. (Staff advances)	6969.00	11278.00
c) Interest from Vision 2020	11443911.00	10451433.00
V) Other Income (specify)		
- Refund from HGT projects	20900801.00	34680111.00
- Refund from Vision 2020	29287292.29	35694743.29

Receipts	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
- Other Income (As per Schedule 18)	400276.00	655643.00
- Setting up of Pilot Plant for Large Scale utilisation of Fly Ash for manufacture of Building components	0.00	100000.00
Receipts for Advanced Composites Mission		
- Development of energy effiaxial flow fans	40000.00	65000.00
- Development of FRP Components for Railways	1000000.00	1200000.00
- FRP Main Doors for Passenger & EMU Coaches for Indian Railways	0.00	1508000.00
- Composite Interiors for Drivers Cabin in Diesel Locomotive		659280.00
- Jute Composite Components for Footwear	716140.00	600000.00
- Development of Composite Modular Acoustic Enclosure	857280.00	857280.00
- Development of Composite Modular Toilet unit for Railway Coaches	1336800.00	1336800.00
- Development of Composite Artificial Limbs	60000.00	80000.00
- Development of Composite Sky Bus Coaches	516400.00	1194000.00
- Development of Natural Fibre Based Composite Door Shutters and Panels		550000.00
- Development of Composite Filament Wound Pressure Vessel	1194000.00	2388000.00
- Development of GRPGRID Gratings by Compression Moulding	612000.00	1224000.00
- Development Composites for Orthopedic Application	0.00	384000.00
Receipts for TePP Project		
- Development of Thermo Cycler for Polymerase Chain Reaction	0.00	125000.00
Receipts for Patent Facilitating Centre		
- Grant	12500000.00	15000000.00
- Patent search charges	18000.00	322.00
- Ekaswa A&B CD Rom	154489.00	175970.00
- Other Receipts	14135.00	0.00
VI Amount Borrowed		

Receipts	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
VII Other Receipts (give Details)		
- Nominal Charges for Dissemination of TIFAC Reports	351908.00	306194.00
- Income from Royalty : Fertilizer Encyclopedia	0.00	400000.00
- Tender for Car Hiring Account	0.00	5000.00
- Technology Transfer Fee	0.00	47195.00
- RTIA Questions	150.00	90.00
- Tender Form for Disposal of Old Items	1400.00	0.00
- Staff advances adjusted /Recovered	604901.00	520966.00
- Stale cheque received	368071.00	26191.00
- Faup Use of Fly Ash for Construction of Rural Road at Ranch		183280.00
- Fly Ash Brick Press Project	125000.00	80000.00
- MSEB – Ash Utilization / Management	3337215.00	364650.00
- FAM-Large Scale Stowing of HWP Pond Ash Into the Underground Mines of SCCL (Manuguru)	0.00	3000000.00
- Earnest Money : M/s Geo-Hydromechs (India), Roorkee		17750.00
- DRDO – PFC	4515100.00	3000448.00
- GSLIS	106.00	0.00
- Security Deposit : Lease Accomodation	0.00	9500.00
- Sundry Deposit : Lease Rent	0.00	9500.00
- Advance : M/s HCL Infosystems Ltd	0.00	1600000.00
- Bank Charges (Vision 2020)	0.00	962.00
- Interest : Dr. D.N.Singh	45000.00	45000.00
- Other Income (Vision 2020)	0.00	1800.00
- MPSEB – Use of Fly Ash in Agriculture Development Thermal Power Plant, Sanni	0.00	1250000.00
- BASIC : Building & Strenthening Institutional Capacity for Climate Charges	351900.00	236715.00
- INDO – ISRAEL Workshop	0.00	787000.00
- INDO – US Technology Management & Exchange	0.00	1100000.00
- Sh. Samson George (L.T.A Loan & Scooter Loan)	12000.00	3500.00

Receipts	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
- Sh.S.S.L Gupta (Legal Charges Payable)	0.00	1020.00
- Sponsorship for Seminar	300000.00	2608400.00
- Exhibition/ Delegation Fee (Foreign Delegates)	0.00	1702593.00
- Delegation Fee for International Seminar	309777.00	2208029.00
- Exhibition Fee for International Seminar	0.00	762000.00
- Proceeding Books / Project Site	0.00	11500.00
- Sundry Creditor : M/s APL Poly Fab Pvt Ltd	900000.00	600000.00
- Pending Work (M/s Mannu Lal & Sons)	0.00	25000.00
- Sundry Debtor : DSIR	0.00	12712.00
- Sundry Debtor : STM	0.00	240969.00
- DST – BMBF (Germany)	172930.00	0.00
- Interest HBA : Sh.N.S.Nair	12000.00	0.00
- Medical Scheme	67192.00	0.00
- Sundry Creditor : Sh.Ramesh Kumar K	975.00	0.00
- Sundry Creditor : IIT Bombay CPF Subscription – Prof Anand Patwardhan	21240.00	0.00
- Sundry Debtor – DST	83531.00	0.00
- Advance : Rao Travels	16250.00	0.00
- Sundry Debtor : M/s Subramaniam Natraj & Associates	1435.00	0.00
- Sundry Debtor : NMBA	71748.00	0.00
- Sundry Debtor : Cabinet Sectt.	452549.00	0.00
- Office Equipment Received During the Year	8490.00	
TOTAL	794590649.73	984897266.62

Technology Information Forecasting & Assessment Council Receipts & Payments for the Period the Year Ended 31.3.2007

Payments

Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
1) Expenses		
a) Establishment Expenses (Corresponding to Schedule 20)	16449280.00	
Add : Opening Expenses Payable	1244219.00	
Less Expenses Payable	1307320.00	16038899.00
b) Administrative Expenses (Corresponding to schedule 21)	10928552.50	
Add: Opening Expenses Payable	2380752.00	
Add: Loss on sale of Fixed Assets	0.00	11668181.50
Less: Payables	719909.00	
Less: Loss on sale of Fixed Assets (Previous year figure does not include obsolescence expenses in it.)	0.00	
c) Expenditure on Grants, Subsidies etc. (As per Schedule 22)	63027270.00	69397117.00
2) Payments made against funds for various projects.		
- Grant Utilisation-Patent Facilitating Centre	15208007.00	
- Add : Opening Expenses Payable	101851.00	
Less: Expenses Payable	123442.00	8936894.08
- Grant Utilisation- Vision 2020	126511610.00	
Add : Opening Expenses Payable	161170.00	
Less : Expenses Payable	378547.00	126455047.00
- Grant Utilisation – Scholarship for Women Scientist	3000293.00	2965382.00
- Addition in fixed Assets		
Office Equipment	35094.00	429696.00
Furniture	58146.00	22050.00
Library Book	44418.00	437015.00
Computers and Peripherals	563591.00	1707982.00
Refund of Surplus Money/Loans		
a) Advance paid to staff	597561.00	861932.00
3) Other Payments (Specify)		
- M/s Mannu Lal & Sons (Electrical Works)	0.00	285743.00
- Security Deposit : M/s Mannu Lal & Sons (Civil/Interior)	0.00	324397.00
- Interior Work of TIFAC Building	483683.00	1411864.00
- Sundry Debtor- Cabinet Sectt.	0.00	2254.00

Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
- Stale Cheque Paid	2000.00	351358.00
- MSEB-Ash Utilization /Management	1733082.00	376894.00
- Earthquake Serving Nature's Fury	417500.00	920043.00
- Grant Utilisation – CORE-Group on Automotive Research	51164510.00	21389569.00
- Earnest Money : M/s Geo-Hydromechs (India)	30000.00	0.00
- Earnest Money : HCL Infosystem Ltd	50000.00	0.00
- Fly Ash Sponsorship for National Seminar-cum-Business Meet	32200.00	0.00
- Sundry Creditor : M/s H.R. Electronics Pvt Ltd	8490.00	0.00
- Advance Le – Meridian Hotel	0.00	489.00
- Advance : Rao Travels	0.00	16250.00
- Security Deposit : M/s Munna Lal	0.00	47986.00
- Sundry Debtor : NMBA	0.00	71748.00
- International Congress Seminar Expenses	1298708.00	787633.00
- BASIC : Building & Strengthening Institutional Capacity for Climate Change	57890.00	158010.00
- INDO – ISREAL Workshop	164758.00	439605.00
- INDO - US Technology Management & Exchange	346076.00	753924.00
- Sundry Debtor- DST	0.00	83531.00
- Security Deposit : Lease Accomodation (Dr.G.Srinivas)	0.00	29500.00
- FAM : Large Scale Stowing of HWP Pond Ash Into the Underground Mines of SCC: (Manuguru)	0.00	1873.00
- Fly Ash Sponsorship for National Seminar-cum-Business Meet	0.00	353237.00
- DRDO – PFC	5069024.00	2567597.00
- MPSEB – Use of Fly Ash in Agriculture Development Thermal Power Plant, Sarni	79000.00	137750.00
- Sundry Creditor : M/s Mahashwari Rice Mill Pvt Ltd	0.00	1062500.00
- Supply of Primary Bamboo Processing Machinery (Textile Machinery)	0.00	1200000.00
- Computer Advance : Sh.S.K.Pandey	0.00	450.00
- Security Deposit : MTNL	0.00	6000.00
- DST-BMBF (Germany)	68344.00	0.00
- Sh.S.S.L Gupta (Legal Charges Payable)	1020.00	0.00
- M/s APL Poly Fab Pvt Ltd	600000.00	0.00
- Advance : DAVP	119538.00	0.00
- Advance : India International Centre	15003.00	0.00
- Advance : BAIF Development Research Foundation, Pune	50000.00	0.00



Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
- Security Deposit (Directorate of Estate)	2400.00	0.00
- Sundry Debtor : Fly Ash Consultancy Account	11224.00	0.00
- Sundry Debtor : Assistant Director, Institute of Secretariat Training & Management	4000.00	0.00
- Transferred to NMBA	0.00	35652660.60
CLOSING BALANCE		
Cash in Hand	3097.00	11764.00
Cash at Bank	26094134.23	27804474.44
Short Term Deposits	468888065.00	649687825.00
Franking Machine	14307.00	40142.00
Total	794590649.73	984897266.62

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Executive Director
TIFAC

Date : 16th August 2007
Place : New Delhi

Auditor's Report

The Members,
Governing Body
Fly Ash Consultancy Project – TIFAC,
New Delhi – 110 016

We have audited the attached Balance Sheet of FLY ASH CONSULTANCY PROJECT – TIFAC, NEW DELHI as on 31st March 2007 and also the attached Income & Expenditure Accounts for the year ended on that date.

These financial statements are the responsibility of the management of the Fly Ash Consultancy Project – TIFAC. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management, as well as evaluating the overall presentations of the financial statements. We believe that our audit provides a reasonable basis for our opinion.

Subject to Notes on Account as per Schedule – 9

- 1) We have obtained all the information and explanation which to the best of our knowledge and belief were necessary for the purposes of our Audit.
- 2) In our opinion proper books of account as required by law have been kept by Fly Ash Consultancy Project – TIFAC.
- 3) The Balance Sheet and Income and Expenditure Accounts Dealt with by this report are in agreement with the books of Account.
- 4) In our opinion and to the best of our information and according to the explanations given to us, the said accounts read with the schedules and notes thereto give the information required by Society Registration Act, in the manner so required and given a true and fair view.
 - a) In case of Balance Sheet, of the state of affairs of the Fly Ash Consultancy Project – TIFAC as at 31st March 2007.
 - b) In case of Income & Expenditure Account, of the excess of expenditure over income for the accounting year ended on that date.

For **Rakesh Raj and Associates**
Chartered Accountants

-Sd-

Ashwani Taneja
(Partner)

Date : 16th August 2007
Place : New Delhi

Fly Ash Consultancy Project TIFAC (DST) Balance Sheet as on 31.03.2007

(Amount-Rs.)

	Schedule	Current Year	Previous Year
Liabilities			
Corpus/Capital Fund	1	664338.13	1295304.50
Sundry Project Expenses Payable	2	16836.00	11020.00
Professional & Infrastructure Development & Institutional Charges		823568.00	823568.00
Total		1504742.13	2129892.50
Assets			
Short Term Deposit	3	22970.00	22970.00
Union Bank of India		1361567.00	1705384.00
Cash in hand		12983.00	12983.00
Computers/Peripherals		52208.00	130520.00
Office Equipment		55014.13	64722.50
Adv Tour : Dr.Vimal Kumar		0.00	193313.00
Total		1504742.13	2129892.50
Significant Accounting Policies & Notes to the Accounts	9		

As per our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Registrar
TIFAC

-Sd-
Advisor
Fly Ash Utilisation Programme, TIFAC

Date : 16th August 2007
Place : New Delhi

Fly Ash Consultancy Project TIFAC (DST)
Income And Expenditure Account for the Year Ended 31.03.2007

(Amount-Rs.)

	Schedule	Current Year	Previous Year
Income			
Consultancy Charges	4	160000.00	2173730.00
Interest from Bank (Savings)	5	50517.00	91307.00
Interest from Bank (Short Term Deposit)	6	0.00	17664.00
Income Total		210517.00	2282701.00
Expenditure			
Project Expenses	7	753463.00	2923532.00
Sundry Project Expenses		16836.00	0.00
Overhead/Project Management		0.00	0.00
Depreciation		88020.37	172970.00
Expenditure Total		841483.37	3096502.00
Excess of Income over Expenditure			
Excess of Expenditure over Income		630955.37	813801.00

Balance being Surplus transferred to Corpus/Capital Fund

Balance being Deficit transferred to Corpus/Capital Fund

(-) 630966.37

(-) 813801.00

As per our report of even date

for **Rakesh Raj & Associates**

Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Registrar
TIFAC

-Sd-
Advisor
Fly Ash Utilisation Programme, TIFAC

Date : 16th August 2007

Place : New Delhi

Fly Ash Consultancy Project TIFAC (DST) Schedule Forming Part of Balance Sheet as at 31.03.2007

Schedule 1 - Corpus/Capital Fund

(Amount-Rs.)

	Current Year	Previous Year
Balance at the Beginning of the year	1295304.50	2109105.50
Add : Contributions towards Corpus/Capital Fund		
Add/(Deduct) : Balance of net income/expenditure transferred from the Income & Expenditure Account	(630966.37)	(813801.00)
Less : Excess Expenditure over Income		0.00
Less: Professional & Infrastructure Development & Institutional Charges and Service Tax (deducted from Capital)		0.00
TOTAL	664338.13	1295304.50

Schedule 2 - Sundry Project Expenses Payable

(Amount-Rs.)

	Current Year	Previous Year
Ammonia Dozing of Fly Ash From HWB Mumbai	0.00	0.00
Perspective R & D Plan for Fly Ash	0.00	0.00
Preparation & Publication of Manuals/Guidelines/	0.00	0.00
Documents for user Fly Ash M/s Rakesh Raj & Associates	5612.00	11020.00
Sundry Creditor : TIFAC	11224.00	0.00
Total	16836.00	11020.00

Schedule 3 - Short Term Deposit

(Amount-Rs.)

	Current Year	Previous Year
Perspective R&D Plan for Fly Ash	0.00	0.00
Ammonia Dozing of Fly Ash HWB, Mumbai.	12543.00	12543.00
Preparation & Publication of Mannuals/Guidelines	10427.00	10427.00
Documents for user Fly Ash.		
Consultancy Assignment UPRVUNL	0.00	0.00
Consultancy Assignment Road Construction	0.00	0.00
TOTAL	22970.00	22970.00

Schedule 4 - Consultancy Charges

(Amount-Rs.)

	Current Year	Previous Year
Perspective R&D Plan for Fly Ash	0.00	0.00
Ammonia Dozing of Fly Ash HWB, Mumbai	0.00	0.00
Preparation & Publication of Manuals/Guidelines Documents for user Fly Ash	0.00	0.00
Training Programme of Clay Fly Ash Bricks Manufacturing (Faridabad)	0.00	0.00
Consultancy Assignment UPRVUNL	0.00	0.00
Heavy Water Plant, Manuguru (Minefield)	160000.00	493856.00
Consultancy Assignment Thermal Power Plant at Parichha, UP	0.00	1454002.00
Consultancy Assignment on Dry Fly Ash Transportation & Disposal System at BSES	0.00	0.00
Evaluation of Ammonia Dozed Fly Ash for Agriculture Applications	0.00	0.00
Heavy Water Board – Mumbai (Agriculture)	0.00	0.00
Training Programme of Clay Fly Ash Bricks Manufacturing (NTPC) (UNCHAHAR)	0.00	0.00
Separate Collection of Bottom Ash optimisation of slurry disposal systems & Agriculture Application of Pond Ash.	0.00	0.00
Training Programme of Clay Fly Ash Brick Manufacturing (Bathinda, Ropar, Hoashurpur)	0.00	0.00
Consultancy Assignment IPGNCO Workshop & film Shooting of IPGNCO	0.00	0.00
Consultancy Assignment Engineering Design for the Liner System Including Leaches Collection for Paricha	0.00	168872.00
Consultancy Assignment Training Programme for Clay Fly Ash Brick Manufacture (Nagpur)	0.00	57000.00
TOTAL	160000.00	2173730.00

Schedule 5 - Interest From Bank (Savings)

(Amount-Rs.)

	Current Year	Previous Year
Perspective R&D Plan for Fly Ash	0.00	13790.00
Ammonia Dozing of Fly Ash HWB, Mumbai	0.00	7227.00
Preparation & Publication of Manuals/Guidelines Documents for user Fly Ash	0.00	6970.00
Training Programme of Clay Fly Ash Bricks Manufacturing (Faridabad)	0.00	3331.00
Consultancy Assignment DVB	0.00	6129.00
Consultancy Assignment UPRVUNL	0.00	4342.00
Consultancy Assignment Road Construction	0.00	9205.00
Heavy Water Plant, Manuguru (Minefield)	12629.00	6990.00
Consultancy Assignment Thermal Power Plant at Parichha, UP	6827.00	7729.00
Consultancy Assignment on Dry Fly Ash Transportation & Disposal System at BSES	0.00	6965.00
Evaluation of Ammonia Dozed Fly Ash for Agriculture Applications	5802.00	5015.00
Heavy Water Board – Mumbai (Agriculture)	0.00	5906.00
Separate Collection of Bottom Ash optimisation of slurry disposal systems & Agriculture Application of Pond Ash.	0.00	3943.00
Consultancy Assignment Training Programme of Clay Fly Ash Brick Manufacturing (NTPC) (UNCHAHAR)	0.00	753.00
Consultancy Assignment Training Programme of Clay Fly Ash Brick Manufacturing (Bathinda, Rupar & Hosharpur)	5802.00	753.00
Consultancy Assignment IPGNCO Workshop & Film Shooting of IPGNCO	5801.00	753.00
Consultancy Assignment Engineering Design for the Liner System including Leaches collection for Paricha	6828.00	753.00
Consultancy Assignment Training Programme for Clay Fly Ash Brick Manufacturing (Nagpur)	6828.00	753.00
TOTAL	50517.00	91307.00

Schedule 6 - Interest From Bank (Short Term Deposit)

(Amount-Rs.)

	Current Year	Previous Year
Perspective R&D Plan for Fly Ash	0.00	8899.00
Consultancy Assignment DVB	0.00	0.00
Heavy Water Plant, Manuguru	0.00	0.00
Ammonia Dozing of Fly Ash from HWB, Mumbai	0.00	3337.00
Preparation & Publication of Manual/Guidelines/Documents for user Fly Ash	0.00	780.00
Consultancy Assignment UPRVUNL	0.00	1680.00
Consultancy Assignment Road Construction	0.00	2968.00
TOTAL	0.00	17664.00

Schedule 7 - Project Expenses

(Amount-Rs.)

	Current Year	Previous Year
Perspective R&D Plan for Fly Ash	0.00	8531.00
Ammonia Dozing of Fly Ash HWB, Mumbai.	0.00	0.00
Preparation & Publication of Mannuals/Guidelines Documents for user Fly Ash.	0.00	11084.00
Training Programme of Clay Fly Ash Bricks Manufacturing (Faridabad)	0.00	0.00
Consultancy Assignment DVB	273861.00	0.00
Consultancy Assignment UPRVUNL	0.00	0.00
Heavy Water Plant, Manuguru (Minefield)	0.00	390700.00
Consultancy Assignment Thermal Power Plant at Parichha U.P	426131.00	2032593.00
Consultancy Assignment on Dry Fly Ash Transportation & Disposal System at BSES	0.00	0.00
Evaluation of Ammonia Dozed Fly Ash for Agriculture Application.	0.00	0.00
Heavy Water Board, Mumbai (Agriculture)	0.00	0.00
Consultancy Assignment Road Construction	0.00	0.00
Training Programme of Clay Fly Ash Brick Manufacture (NTPC) (UNCHAHAR)	0.00	30000.00
Separate Collection of Bottom Ash Optimistion of Slurry Disposal System & Agriculture Application.	0.00	0.00
Training Programme of Clay Fly Ash Birck Manufacturing (Bathinda, Purar & Hoshurpur)	50000.00	70000.00
IPGNCO Workshop Film Shooting of IPGNCO Engineering Design for the Liner System Including Leaches Collection for Paricha	0.00	375800.00
Training Programme for Clay Fly Ash Brick Manufacturing (Nagpur)	3471.00	4824.00
Perspective R&D Plan for Fly Ash RCC	0.00	0.00
TOTAL	753463.00	2923532.00

Fly Ash Consultancy Project, TIFAC (DST)
Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 8 - Fixed Assets

(Amount-Rs.)

Description	Gross Block				Depreciation				Net Block	
	Cost/ valuation As at beginning of the year	Additions during the year	Deductions during the year	Cost/ valuation at the year end	As at the beginning of the year	On Additions during the year	On Deductions during the year	Total upto the year end	As at the current year end	As at the previous year end
A. Fixed Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. a) Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b) Leasehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
a) On Freehold Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b) On Leasehold Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c) Ownership Flats/ Premises	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
d) Superstructures on Land not belonging to the entity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Plant Machinery & Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Vehicles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Furniture & Fixtures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Office Equipment	72383.00	0.00	0.00	72383.00	7660.50	9708.37	0.00	17368.87	55014.13	64722.50
7. Computer/Peripherals	387943.00	0.00	0.00	387943.00	257423.00	78312.00	0.00	335735.00	52208.00	130520.00
8. Electric Installations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Library Books	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Tubewell & W. Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Other Fixed Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total of Current Year	460326.00	0.00	0.00	460326.00	265083.50	88020.37	0.00	353103.87	107222.13	195242.50
Previous Year	157435.00	302891.00	0.00	460326.00	92113.50	172970.00	0.00	265083.50		
B. Capital Work in Progress										

Cost of Assets on hire purchase basis included above



Fly Ash Consultancy Project - TIFAC **Schedules Forming Part of Accounts for the Period Ended 31.03.2007**

Schedule - 9

Accounting Policies and Notes to the Accounts for the Year Ending 31.03.2007

A) Accounting Policies

1. Fly Ash Consultancy Project had adopted Mercantile System of Accounting.
2. Amounts released under various Project are accounting as expenditure for the year in which the same are released, irrespective of the fact that the amounts so released may not have been fully utilized towards the projects during the accounting year.
3. Unspent amount of grant received during the year for specific purposes is earmarked and carried forward to next year to be utilized for the said purposes.

B) Notes to the Accounts

1. Necessary Provision has been made for the following Expenses

Audit Fee (for 1 years)	Rs. 5612.00
Sundry Creditor : TIFAC	Rs. 11224.00
2. Total interest received from Bank during the year comes out to be Rs. 50517/-. It is apportioned between Consultancy Fee received during the year.
3. Depreciation amount Rs.88020.37/- has been provided during the financial year 2006-2007.

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Registrar
TIFAC

-Sd-
Advisor
Fly Ash Utilisation Programme, TIFAC

Date : 16th August 2007
Place : New Delhi

Auditor's Report

The Chairman,
Mission Mode Project on Sugar Production Technology - TIFAC
NEW DELHI - 110 016

We have audited the attached Balance Sheet of **MISSION MODE PROJECT ON SUGAR PRODUCTION TECHNOLOGIES, NEW DELHI** as at 31st March, 2007 and the Income & Expenditure Account for the year ending on that date and report that date.

These financial statements are the responsibility of the management of the STM. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management, as well as evaluating the overall presentations of the financial statements. We believe that our audit provides a reasonable basis for our opinion.

Subject to Audit objection as per Annexure AR-1 and Notes on Account as per Annexure 24 & 25, we report that:-

- i) We have obtained all information and explanation which to the best our knowledge and belief, were necessary for the purpose of audit.
- ii) In our opinion proper books of account as required by law have been kept by STM.
- iii) The Balance Sheet and Income & Expenditure Accounts dealt with by this report are in agreement with the books of account.
- iv) In our opinion and to the best of our information and according to the explanations given to us, the said accounts read with the schedules and notes thereto give the information required by Society Registration Act, in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India.
 - a) In case of Balance Sheet, of the state of affairs of the above named project as at 31st March, 2007.
 - b) In case of Income & Expenditure Account, of the deficit for the accounting year ending on 31st March, 2007.

For **Rakesh Raj and Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

Date : 16th August, 2007
Place : New Delhi



Annexure : AR 1 - Audit Objections

1. TIFAC has been recognized as a Scientific and Industrial Research Organization by Department of Scientific and Industrial Research (DSIR) for the period from 30.06.1993 to 31.03.1995 and subsequently from 01.04.1995 to 31.03.2000, 01.04.2000 to 31.03.2003 & 01.04.2003 to 31.03.2006 and TIFAC has been declared "SCIENTIFIC INSTITUTION" by the prescribed authority under Rule 6 of the Income Tax Rules for the purpose of Clause (ii) of Sub-section (I) of Section 35 of the Income Tax Act, 1961 vide Notification No.951 (F. No. DG/IT(E)/ND-116/35(i)(ii)/93-IT(E) dated 30th November 1993. The income tax liability for earlier year if any will be provided in the books of account on the basis of actual payment to Income Tax Department. The recognition has expired on 31.03.2003. Application has been made for renewal but renewal has not been received so far after 31.03.2003.
2. Amount due but not received from beneficiaries of contributions as on 31.03.2007 was Rs.105 Lacs, which has not been considered in the books of Accounts. It is the policy of STM to consider refunds from beneficiaries as Income of the year in which it is received back.
3. It is noticed that an Account with a name Earnest Money Deposit with a balance of Rs.36 lakh is highlighted in the books of Accounts but confirmations from various parties against which EMD were received is not made available to us. Hence we are not able to judge the reliability of the above account balance.

Audit queries in respect of Auditor's Report on Sugar Technology Mission

1. Application for renewal of Income Tax exemption for the period from 01.04.2003 onwards was filed with Income Tax Department, New Delhi on 1st April 2004. No queries or objection has been raised by I.T. Department. However necessary notification granting exemption is yet to be issued by Income Tax Department. The Gazette notification from CBDT is awaited.
2. Efforts are being made to recover the full outstanding amount from the Projects.
3. **Earnest Money Deposit:** EMD from various Sugar Industries for preparing study reports was received and the same has been deposited into our Bank Account. So far these Industries have not claimed the refund.

Mission Mode Project on Sugar Production Technology Balance Sheet as at 31.03.2007

(Amount-Rs.)

	Schedule	Current Year	Previous Year
Corpus/Capital Fund and Liabilities			
Corpus /Capital Fund	1	63588735.43	67231694.43
Reserves and Surplus	2	.....	.....
Earmarked/ Endowment Funds	3	.....	.....
Secured Loans and Borrowings	4	.....	.....
Unsecured Loans and Borrowings	5	.....	.....
Deferred Credit Liabilities	6	.....	.....
Current Liabilities and Provisions	7	44001424.00	44504181.00
Total		107590159.43	111735875.43
Assets			
Fixed Assets	8	445876.00	537432.00
Investments – From Earmarked/ Endowment Funds	9	.....	.....
Investments – Others	10	.....	.....
Current Assets, Loans, Advances Etc.	11	107144283.43	111198443.43
Miscellaneous Expenditure (to the extent not written off or adjusted)			
TOTAL		107590159.43	111735875.43
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Accounts	25		

Subject to our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Mission Director

Date : 16th August, 2007
Place : New Delhi

Mission Mode Project on Sugar Production Technology Income and Expenditure Account for the Period/Year Ended 31.03.2007

(Amount-Rs.)

	Schedule	Current Year	Previous Year
Income			
Income from Sales/ Services	12	0.00	0.00
Grants/Subsidies	13	0.00	0.00
Fees/ Subscriptions	14	0.00	100000.00
Income from Investments	15	0.00	0.00
Income from Royalty, Publication etc.	16	9400.00	4920.00
Interest Earned	17	6359864.00	7271802.00
Other Income	18	1193998.00	600000.00
Refund from Projects	Annexure-A	7420000.00	3515000.00
Increase/(decrease) in stock of Finished goods and works-in-progress	19	0.00	0.00
TOTAL (A)		14983262.00	11491722.00
Expenditure			
Establishment Expenses	20	1790714.00	2622584.00
Other Administrative Expenses etc.	21	740123.00	820632.00
Expenditure on Grants, Subsidies etc.	22	16000000.00	0.00
Interest	23	0.00	0.00
Depreciation (Net Total at the year end)	8	95384.00	170289.00
TOTAL (B)		18626221.00	3613505.00
Balance being excess of Income over Expenditure (A-B)		(-) 3642959.00	7878217.00
Transfer to Special Reserve(Specify each)		0.00	0.00
Transfer to/from General Reserve		0.00	0.00
Balance Being Surplus (Deficit) Carried to Corpus/Capital Fund		(-) 3642959.00	7878217.00
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Accounts	25		

Subject to our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Mission Director

Date : 16th August, 2007
Place : New Delhi

Mission Mode Project on Sugar Production Technology Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 1 - Corpus/Capital Fund

(Amount-Rs.)

	Current Year		Previous Year	
Balance at the beginning of the year		67231694.43		59353477.43
Add : Contributions toward Corpus/Capital Fund	NIL		NIL	
Add/(Deduct) : Balance of net income/expenditure transferred from the Income and Expenditure Account	(-3642959.00)	(-) 3642959.00	7878217.00	7878217.00
Balance as the year-end		63588735.43		67231694.43

Schedule 2 - Reserve and Surplus

(Amount-Rs.)

	Current Year		Previous Year	
1. Capital Reserve :				
As per last Account				
Addition during the year				
Less : Deductions during the year				
2. Revaluation Reserves :	—NIL—	—NIL—	—NIL—	—NIL—
As per last Account				
Addition during the year				
Less : Deductions during the year				
3. Special Reserve :				
As per last Account				
Addition during the year				
Less : Deductions during the year				
4. General Reserve :				
As per last Account				
Addition during the year				
Less: Deductions during the year				
TOTAL				

**Mission Mode Project on Sugar Production Technology
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 3 - Earmarked/Endowment Funds

(Amount-Rs.)

	Fund-Wise Break Up				Totals	
	Fund WW	Fund XX	Fund YY	Fund ZZ	Current Year	Previous Year
a) Opening balance of the funds						
b) Additions to the Funds:						
i. Donations /grants						
ii. Income from investments made on account of funds		—NIL—				
iii. Other additions (specify nature)						
TOTAL (a + b)						
c) Utilization /Expenditure towards objectives of funds						
i. Capital Expenditure						
- Fixed Assets						
- Others						
Total						
ii. Revenue Expenditure						
- Salaries, Wages and allowance etc.						
- Rent						
- Other Administrative expenses						
Total (C)						
Net balance as at the year end (a + b - c)						

Mission Mode Project on Sugar Production Technology Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 4 - Secured Loans and Borrowings

(Amount-Rs.)

	Current Year		Previous Year	
1. Central Government				
2. State Government (Specify)				
3. Financial Institutions				
a) Term Loans				
b) Interest accrued and due				
4. Banks:	—NIL—	—NIL—	—NIL—	—NIL—
a) Term Loans				
- Interest accrued and due				
b) Other Loans (specify)				
- Interest accrued and due				
5. Other Institutions and Agencies				
6. Debentures and Bonds				
7. Others (Specify)				
TOTAL				

Note : Amounts due within one year

**Mission Mode Project on Sugar Production Technology
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 5 - Unsecured Loans and Borrowings

(Amount-Rs.)

	Current Year		Previous Year	
1. Central Government				
2. State Government (Specify)				
3. Financial Institutions				
4. Banks:	— NIL —	— NIL —	— NIL —	— NIL —
a) Term Loans				
b) Other Loans (specify)				
5. Other Institutions and Agencies				
6. Debentures and Bonds				
7. Fixed Deposits				
8. Others (Specify)				
TOTAL				

Note : Amounts due within one year

Schedule 6 - Deferred Credit Liabilities

(Amount-Rs.)

	Current Year		Previous Year	
a) Acceptances secured by hypothecation of Capital equipment and other assets				
b) Others	— NIL —	— NIL —	— NIL —	— NIL —
TOTAL				

Note : Amounts due within one year

Mission Mode Project on Sugar Production Technology Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 7 - Current Liabilities and Provisions

(Amount-Rs.)

	Current Year		Previous Year	
A. Current Liabilities				
1. Acceptances		0.00		0.00
2. Sundry Creditors:				
a) Implementation Prog. -Fiji Sugar Industries		1384.00		512233.00
b) Others – Prime Minister National Relief Fund		0.00		0.00
3. Advances Received (TIFAC)		40000000.00		40000000.00
4. Interest accrued but not due on:				
a) Secured Loans/borrowings		0.00		0.00
b) Unsecured Loans /borrowings		0.00		0.00
5. Statutory Liabilities:				
a) Over dues		0.00		0.00
b) Others		0.00		0.00
6. Other current Liabilities				
- Earnest Money – (As per Annexure – C)		3600000.00		3800000.00
- Security Deposit – M/s. Matrix Power		0.00		0.00
- Stale cheques		3632.00		3632.00
- Expenses Payable (Annexure –D)		396408.00		188316.00
TOTAL (A)		44001424.00		44504181.00
B. Provisions				
1. For Taxation		0.00		0.00
2. Gratuity		0.00		0.00
3. Superannuation /Pension		0.00		0.00
4. Accumulated Leave Encashment		0.00		0.00
5. Trade Warranties/Claims		0.00		0.00
6. Others (Specify)		0.00		0.00
TOTAL (B)		0.00		0.00
TOTAL (A+B)		44001424.00		44504181.00

Sugar Technology Mission

Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 8 - Fixed Assets

(Amount-Rs.)

Description	Gross Block				Depreciation				Net Block	
	Cost/ valuation As at beginning of the year	Additions during the year	Deductions during the year	Cost/ valuation at the year end	As at the beginning of the year	On Additions during the year	On Deductions during the year	Total upto the year end	As at the current year end	As at the previous year end
A. Fixed Assets										
1. Land										
a) Freehold										
b) Leasehold										
2. Buildings:										
a) On Freehold Land										
b) On Leasehold Land										
c) Ownership Flats/ Premises										
d) Superstructures on Land not belonging to the entity										
3. Plant Machinery & Equipment										
4. Vehicles										
5. Furniture, Fixtures	99414	0	(....)	99414	69332	3008	.....	72340	27074	30082
6. Office Equipment	1411378	2028	(....)	1413406	937115	71444	.....	1008559	404847	474263
7. Computer /Peripherals	244002	1800	(....)	245802	210915	20932	.....	231847	13955	33087
8. Electric Installations										
9. Library Books	175466	0	(....)	175466	175466	0	.....	175466	0	0
10. Tubewells & W.Supply	.....		(....)				.....	
11. Other Fixed Assets	.....		(....)				.....	
Total of Current Year	1930260	3828	(....)	1934088	1392828	95384		1488212	445876	537432
Previous Year	1886593	43667	(....)	1930260	1222539	170289	.....	1392828	537432	664054
B. Capital Work in Progress	-----		-----	-----	-----	.....		....	-----
TOTAL	1886593	43667	(....)	1930260	1222539	170289	.....	1392828	537432	664054

(Note to be given as to Cost of assets on hire purchase basis included above)

Sugar Technology Mission Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 9 - Investments From Earmarked/Endowment Funds

(Amount-Rs.)

	Current Year	Previous Year
1. In Government Securities		
2. Other approved Securities		
3. Shares	—NIL—	—NIL—
4. Debentures and Bonds		
5. Subsidiaries and Joint Ventures		
6. Others (to be specified)		
TOTAL		

Schedule 10 - Investments - Others

(Amount-Rs.)

	Current Year	Previous Year
1. In Government Securities		
2. Other approved Securities		
3. Shares	—NIL—	—NIL—
4. Debentures and Bonds		
5. Subsidiaries and Joint Ventures		
6. Others (to be specified)		
TOTAL		

Mission Mode Project on Sugar Production Technology
Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 11 - Current Assets, Loans, Advances Etc.

(Amount-Rs.)

	Current Year		Previous Year	
A. Current Assets				
1. Inventories:				
a) Stores and Spares				
b) Loose Tools				
c) Stock-in-trade	—NIL—	—NIL—	—NIL—	—NIL—
Finished Goods				
Work-in-progress				
Raw Materials				
2. Sundry Debtors:				
a) Debts Outstanding for a period exceeding six Months				
4. Cash balances in hand (including cheques/drafts and imp rest)		373.00		406.00
5. Bank Balances:				
a) With Scheduled Banks:				
- On Current Accounts	0.00		0.00	
- On Deposit Accounts (Short Term Deposit)	62458250.43		50158219.43	
- On Savings Accounts	7236986.00		12149806.00	
- On Flexi Account	37395549.00	107090785.43	48830887.00	111138912.43
b) With non-Scheduled Banks:				
- On Current Accounts				
- On Deposit Accounts				
- On Savings Accounts				
6. Post Office-Savings Accounts				
TOTAL (A)		107091158.43		111139318.43

Mission Mode Project on Sugar Production Technology Schedules Forming Part of Balance Sheet as at 31.03.2007

Schedule 11 - Current Assets, Loans, Advances Etc. (Contd)

(Amount-Rs.)

	Current Year		Previous Year	
B. Loans, Advances and Other Assets				
1. Loans:				
a) Staff		40000.00		46000.00
b) Other Entities engaged in activities/objectives similar to that of the Entity				
c) Other (specify)				
2. Advances and other amounts recoverable in cash or in kind or for value to be received		—NIL—		—NIL—
a) On Capital Account				
b) Prepayments				
c) Others (Security with MTNL)		13125.00		13125.00
d) TDS (On Consultancy)				
3. Income Accrued:				
a) On Investments from Earmarked/Endowment Funds				
b) On Investments – Others				
c) On Loans and Advances				
d) Others (Include income due unreleased –Rs....)				
4. Claims Receivable				
TOTAL (B)		53125.00		59125.00
TOTAL (A+B)		107144283.43		111198443.43

Mission Mode Project on Sugar Production Technology
Schedules Forming Part of Income & Expenditure for the Period/Year Ended 31.03.2007

Schedule 12 - Income From Sales /Services

(Amount-Rs.)

	Current Year	Previous Year
1. Income from Sales		
a) Sale of finished Goods	—NIL—	—NIL—
b) Sale of Raw Material		
c) Sale of Scraps		
2. Income from Services		
a) Labor and Processing Charges		
b) Professional/Consultancy Services		
c) Agency Commissions and Brokerage	—NIL—	—NIL—
d) Maintenance Services (Equipment/Property)		
e) Others (Specify)		
TOTAL		

Schedule 13 - Grants/Subsidies (Irrevocable Grants & Subsidies Received)

(Amount-Rs.)

	Current Year	Previous Year
1. Central Government		
2. State Government(s)	...NIL...	...NIL...
3. Government Agencies		
4. Institutions/Welfare Bodies		
5. International Organizations		
6. Others (Specify)		
TOTAL	...NIL...	...NIL...

Mission Mode Project on Sugar Production Technology Schedules Forming Part of Income & Expenditure for the Period/Year Ended 31.03.2007

Schedule 14 - Fees/Subscriptions

(Amount-Rs.)

	Current Year	Previous Year
1. Entrance Fees	—	
2. Annual Fees/Subscriptions	—	
3. Seminar/Program Fees	—	—NIL—
4. Consultancy Fees	—	
5. Others (Specify)	—	100000.00
TOTAL	0.00	100000.00

Note - Accounting Policies towards each item are to be disclosed

Schedule 15 - Income From Investments

(Amount-Rs.)

	Investment from Earmarked Fund		Investment – Others	
	Current Year	Previous Year	Current Year	Previous Year
(Income on Invest. From Earmarked/ Endowment Funds transferred to Funds)				
1. Interest				
a) On Govt. Securities				
b) Other Bonds/Debentures				
2. Dividends:	—NIL—	—NIL—	—NIL—	—NIL—
a) On Shares				
b) On Mutual Fund Securities				
3. Rents				
4. Others (Specify)				
TOTAL				

Transferred to Earmarked/Endowment Funds

Sugar Technology Mission

Schedules Forming Part of Income & Expenditure for the Period/Year Ended 31.03.2007

Schedule 16 - Income From Royalty, Publication Etc.

(Amount-Rs.)

	Current Year	Previous Year
1. Income from Royalty		
2. Income from Publications		
3. Others (Specify) (Other receipts)	9400.00	4920.00
TOTAL	9400.00	4920.00

Schedule 17 – Interest Earned

(Amount-Rs.)

	Current Year	Previous Year
1. On Term Deposits:		
a) With Scheduled Banks	3056539.00	2635401.00
b) With Non-Scheduled Banks	0.00	0.00
c) With Institutions	0.00	0.00
d) Others – Flexi Account	2808154.00	3315904.00
2. On Savings Accounts:		
a) With Scheduled Banks	403953.00	559969.00
b) With Non-Scheduled Banks	0.00	0.00
c) Post Office Savings Accounts	0.00	0.00
d) Others	0.00	0.00
3. On Loans:	528.00	528.00
a) Employees/Staff		
b) Others		
4. Interest from Debtors and Other Receivables (Interest on Refund from projects)	90690.00	760000.00
TOTAL	6359864.00	7271802.00

Note - Tax deducted at source to be indicated

Sugar Technology Mission

Schedules Forming Part of Income & Expenditure for the Period/Year Ended 31.03.2007

Schedule 18 - Other Income

(Amount-Rs.)

	Current Year	Previous Year
1. Profit on Sale/disposal of Assets		
a) Owned assets		
b) Assets acquired out of grants, or received free of cost		
2. Export Incentives realized		
3. Fees for Miscellaneous Services (Preparation of project report)	1193998.00	600000.00
4. Miscellaneous Income	0.00	0.00
TOTAL	1193998.00	600000.00

Schedule 19 - Increase/(Decrease) in Stock of Finished Goods & Work in Progress

(Amount-Rs.)

	Current Year	Previous Year
a) Closing stock		
- Finished Goods		
- Work-in-progress		
b) Less: Opening Stock	—NIL—	—NIL—
- Finished Goods		
- Work -in -progress		
NET INCREASE/(DECREASE) [a-b]		

Sugar Technology Mission
Schedules Forming Part of Income & Expenditure for the Period/Year Ended 31.03.2007

Schedule 20 - Establishment Expenses

(Amount-Rs.)

	Current Year	Previous Year
a) Salaries and Wages	1723993.00	1766746.00
b) Allowances and Bonus	4934.00	7401.00
c) Contribution to Provident Fund	0.00	296028.00
d) Contribution to Other Fund (specify)	0.00	0.00
e) Staff Welfare Expenses	0.00	0.00
f) Expenses on Employees' Retirement and Terminal Benefits	0.00	305985.00
g) Others (Specify)		
(i) Honorarium	9000.00	4500.00
(ii) Medical Reimbursement	50331.00	47261.00
(iii) LTC	2456.00	194663.00
TOTAL	1790714.00	2622584.00



Mission Mode Project on Sugar Production Technology Schedules Forming Part of Income & Expenditure for the Period/Year Ended 31.03.2007

Schedule 21 - Administrative Expenses Etc.

(Amount-Rs.)

	Current Year	Previous Year
a) Purchases	.....	.....
b) Labor and processing expenses	.....	.....
c) Cartage and Carriage Inwards	.....	.....
d) Electricity and power	.....	.....
e) Water charges	.....	.....
f) Insurance	.....	.....
g) Repairs and maintenance	19081.00	3151.00
h) Excise Duty	.....	.....
i) Rent, Rates and Taxes	0.00	0.00
j) Vehicles Running and Maintenance	15432.00	191474.00
k) Postage, Telephone and Communication Charges	167417.00	148065.00
l) Printing and Stationary	55272.00	55522.00
m) Travelling and Conveyance Expenses	374624.00	333587.00
n) Expenses on Seminary/Workshops/Meeting	1125.00	6146.00
o) Subscription Expenses/Periodical & Magazines	3812.00	21078.00
p) Expenses on Fees	6600.00	7002.00
q) Auditors Remuneration	12570.00	0.00
r) Hospitality Expenses	41651.00	.....
s) Professional Charges	.....	.....
t) Provision for Bad and Doubtful Debts/Advances	.....	.....
u) Irrecoverable Balances Written-off	.....	.....
v) Bank Charges	0.00	411.00
w) Freight and Forwarding /Expenses	.....	.....
x) Distribution Expenses	.....	.....
y) Advertisement and Publicity	0.00	24098.00
z) Others (Specify)		
1. Misc. Office Expenses	36478.00	30098.00
2. Project Expenses	0.00	0.00
3. Consultancy Expenses	6061.00	0.00
4. Patent	0.00	0.00
TOTAL	740123.00	820632.00

Mission Mode Project On Sugar Production Technology Schedules Forming Part of Income & Expenditure for the Period/Year Ended 31.03.2007

Schedule 22 - Expenditure on Grants, Subsidies Project Expenditure

(Amount-Rs.)

	Current Year	Previous Year
a) Grants given to Institutions/Organizations	0.00	
b) Subsidies given to Institutions/Organizations	0.00	
c) Others (As per Annexure-B) (Project expenditure of sugar mills.)	1600000	0.00
d) Honorarium for Consultancy Work (given to staff of TIFAC)	0.00	
TOTAL	16000000.00	0.00

Note - Name of the Entities, their Activities along with the amount of Grants/Subsidies are to be disclosed.

Schedule 23 - Interest

(Amount-Rs.)

	Current Year	Previous Year
a) On Fixed Loans		
b) On Other Loans (including Bank Charges)	0.00	0.00
c) Others (Specify)		
TOTAL	0.00	0.00

Mission Mode Project on Sugar Production Technology

Schedules Forming Part of Accounts for the Period Ended 31.03.2007

Schedule - 24

ACCOUNTING POLICIES AND NOTES TO THE ACCOUNTS FOR THE YEAR ENDING 31ST MARCH, 2007

A) ACCOUNTING POLICIES

- 1 The Mission had adopted Mercantile System of Accounting.
- 2 Fixed Assets are shown at cost less depreciation
- 3 Prior period and extra ordinary items and changes in accounting policies having material impact on the financial affairs of the Mission are disclosed.
- 4 Depreciation has been calculated as per Income Tax Act, 1961
- 5 Amounts released under various projects are accounted as expenditure for the year in which the same are released, irrespective of the fact that the amounts so released may not have been fully utilised towards the projects during the accounting year.
- 6 The repayment of grant / assistance towards Sugar Technology Mission Project by the beneficiaries or contributions made by them towards development of technology as per conditions stated in agreements with them, are accounted for on receipt basis.
- 7 All disbursements for projects are treated as expenditure and assets created, if any, out of the said disbursements to the project, are not accounted for as assets in the books.
- 8 Contingent liabilities in respect of on-going Projects / Studies etc. are neither provided nor determined.

B) NOTES TO THE ACCOUNTS

- 1 Depreciation amount Rs.95384.00 has been provided during the financial year 2006-2007.
- 2 The income tax liability if any will be provided in the books of account on the basis of actual payment of Income tax Department. (However TIFAC has been declared on SCIENTIFIC INSTITUTION FOR THE PURPOSE).
- 3 Amount due from beneficiaries of contributions as on 31.03.2007 was Rs. 105.0 lacs, it has not been considered in the books of Accounts, out of which Rs.315.0 lacs is overdue as on 31.03.2007.

- 4 Necessary Provision has been made for the following Expenses

Salary	151769.00
Hospitality Expenses	30756.00
Telephone Expenses	47594.00
Repair&Maintenance	6371.00
Travelling Expenses	130831.00
Printing & Stationery	19962.00
News paper & Magazine	1513.00
Delegation Fee	3600.00
Postage & Courier	4012.00

5 Previous year figures have been regrouped wherever necessary to make them comparable with current figures.

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Mission Director

Date : 16th August, 2007

Place : New Delhi

Mission Mode Project on Sugar Production Technology Schedules Forming Part of Accounts for the Period Ended 31.03.2007

Schedule 25 - Contingent Liabilities and Notes on Accounts (Illustrative)

1. Contingent Liabilities

- 1.1. Claims against the Entity not acknowledged as debts – Rs. NIL (Previous year Rs. NIL)
- 1.2. In respect of
- Bank guarantees given by/on behalf of the Entity – Rs. NIL (Previous year Rs. NIL)
 - Letters of Credit opened by Bank on behalf of the Entity – Rs. NIL (Previous year Rs. NIL)
 - Bills discounted with banks Rs. NIL (Previous year Rs. NIL)
- 1.3. Disputed demands in respect of:
- Income-tax Rs. NIL (Previous year Rs. NIL)
- Sales-tax Rs. NIL (Previous year Rs. NIL)
- Municipal Taxes Rs. NIL (Previous year Rs. NIL)
- 1.4. In respect of claims from parties for non-execution of orders, but contested by the Entity – Rs. NIL (Previous year Rs. NIL)

2. Capital Commitments

Estimated value of contracts remaining to be executed on capital account and not provided for (net of advances) Rs. NIL (Previous year Rs. NIL)

3. Lease Obligations

Future obligations for rentals under finance lease arrangements for plant and machinery amount to Rs. NIL (Previous year Rs. NIL)

4. Current Assets, Loans and Advances

In the opinion of the Management, the current assets, loans and advances have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet.

5. Taxation

In view of there being no taxable income under Income-tax Act 1961, no provision for Income Tax has been considered necessary.

Mission Mode Project on Sugar Production Technology Schedules Forming Part of Accounts for the Period Ended 31.03.2007

Schedule 25 - Contingent Liabilities and Notes on Accounts (Illustrative) - Contd.

6. FOREIGN CURRENCY TRANSACTIONS

(Amount-Rs.)

	Current Year	Previous Year
6.1. Value of Imports Calculated on C.I.F. Basis:		
- Purchase of finished Goods	N.A.	N.A.
- Raw Materials & Components (Including in transit)	N.A.	N.A.
- Capital Goods	N.A.	N.A.
- Stores, Spares and Consumables	N.A.	N.A.
6.2. Expenditure in foreign currency:		
a) Travel	N.A.	N.A.
b) Remittances and Interest payment to Financial Institutions/ Banks in Foreign Currency	N.A.	N.A.
c) Other expenditure:		
- Commission on Sale	N.A.	N.A.
- Legal and Professional Expenses	N.A.	N.A.
- Miscellaneous Expenses	N.A.	N.A.
6.3. Earnings:		
Value of Exports on FO basis	N.A.	N.A.
6.4. Remuneration to auditors:		
As Auditors		
- Taxation matters		
- For Management services		
- For certification	12122.00	12122.00
Others		

7. Corresponding figures for the previous year have been regrouped/rearranged, wherever necessary.

8. Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet as at 31.03.2007 and the Income and Expenditure Account for the year ended on that date.

Mission Mode Project on Sugar Production Technology Receipts & Payments for the Period / Year Ended 31.3.2007

Receipts

Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
I. Opening Balance		
a) Cash in hand	406.00	2169.00
b) Bank Balances		
i) In current accounts	NIL	NIL
ii) In deposit accounts	50158219.43	50000000.43
iii) Savings accounts	12149806.00	12034367.00
iv) Flexi accounts	48830887.00	45514983.00
II. Grants Received		
a) From Government of India		
b) From State Government		
c) From other sources (Implementation Programme Fiji Sugar Industries)	0.00	0.00
(Grants for capita & revenue exp. To be shown separately).	0.00	0.00
d) Amount received from TIFAC		
III. Income on Investments		
From _____		
a) Earmarked/Endow, Funds.	0.00	0.00
b) Own Funds (Oth. Investment)	0.00	0.00
IV. Interest Received		
a) On Bank deposits	3460492.00	3195370.00
b) Loans, Advances etc.	528.00	528.00
V. Other Income (Specify)		
- Refunds from projects	7420000.00	3515000.00
- Interest of refunds from projects.	90690.00	760000.00
- Earnest Money received (As per Annexure)		
- Consultancy	0.00	100000.00
- Interest Accrued on Flexi Bond	2808154.00	3315904.00
- Fees for Misc. Services	1193998.00	600000.00

Receipts

Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
VI. Amount Borrowed	0.00	0.00
VII. Any other receipts (give Details)		
- Earnest Money		
- Staff loan recovery	0.00	0.00
- Other receipts	6000.00	10000.00
- Security with MTNL	.....	.....
- Security Deposit - Matrix Power Products	.....	.....
- Miscellaneous Income	.....	.....
- Prime Minister's Relief Fund	9400.00	4920.00
	0.00	0.00
TOTAL	126128580.43	119053241.43

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Mission Director

Date : 16th August, 2007
Place : New Delhi



Payments

Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
I. Expenses		
a) Establishment Expenses (corresponding to Schedule 20) less Expenses payable	1638945.00	2486334.00
b) Administrative Expenses (corresponding to Schedule 21) less Expenses payable	495484.00	783554.00
c) TDS deducted & deposit on expense	0.00	0.00
II. Payments made against funds for various Projects		
(Name of the fund or project should be shown along with the particulars of payments made for each project)	16000000.00	0.00
(As per Annexure-B)		
(As per Annexure E)	510849.00	4052698.00
III Investments and deposits made		
a) Out of Earmarked/Endowment funds		
b) Out of Own Funds (Investments-Others)		
IV Expenditure on Fixed Assets & Capital		
Work in Progress_____		
a) Purchase of Fixed Assets	3828.00	43667.00
b) Expenditure on Capital Work-n-progress		
V) Refund of surplus money/Loans		
a) To the Government of India	.....	.....
b) To the State Government	.....	.....
c) To other providers of funds	.....	.....
d) Advance Paid to staff	0.00	50000.00
VI Finance Charges (Interest)	0.00	0.00
VII Other Payments (Specify)	0.00	240969.00
(Payment to sundry creditors TIFAC)		
TDS	.....	.....
Payment of Security deposit	200000.00	0.00
Expenses payable of 2005-06 paid	188316.00	256701.00

Payments

Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
VIII Closing Balance		
a) Cash in hand	373.00	406.00
b) Bank Balance		
i) In current accounts	NIL	NIL
ii) In deposit accounts (Short term Deposited)	62458250.43	50158219.00
iii) Savings accounts	7236986.00	12149806.00
iv) Flexi Deposit	37395549.00	48830887.00
TOTAL	126128580.43	119053241.43

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer

-Sd-
Registrar

-Sd-
Mission Director

Date : 16th August, 2007
Place : New Delhi

Annexure-A

Refund From Projects (Principal Amount)

Particulars	Current Year
E.R.P System (M/s The Godawari Sugar Mills Ltd.)	2520000.00
ADU-FSB-WHR (M/s G.M.R Technologies & Industries Ltd.)	700000.00
Distillery Effluent Treatment System (M/s Ugar Sugar Works Ltd)	1400000.00
Planetary Gear Box (Shri. Chamundeswari Sugars Ltd.)	2800000.00
	7420000.00

Annexure-B

Project Expenditure

Particulars	As on 31.03.2007
Manufacture of Ethyl Lactate from Molasses (M/s Godavari Sugar Mills)	6000000.00
Use of Membrane Separation Technology to Produce Refined Sugar (Simbhaoli Sugar Mills)	10000000.00
	16000000.00

Annexure-C

Securities/Earnest Money Received

Particulars	Current Year As on 31.03.2007
M/s Sakthi Sugars Ltd. , TN.	100000.00
M/s Pratappur Sugar Industry Ltd.	100000.00
M/s RBN Sugar Mills	100000.00
M/s L.H. Sugar	100000.00
M/s Riga Sugar	100000.00
M/s Jind Coop-Sugar	100000.00
M/s Vishnu Sugar Ltd.	100000.00
M/s DSM Sugar	100000.00
M/s Valsad Sugar	100000.00
M/s Budhewal Co op.	100000.00
M/s Palwal Sugar Ltd.	100000.00
M/s Godawari Sugar Mill	100000.00
M/s Padamashri Dr. Vithalrao Vikho Patil SSK Ltd.	100000.00
M/s Mawana Sugar	100000.00
M/s EID Parry, Pugalur	100000.00
M/s Vishwas Rau Naik SSK Ltd.	100000.00
M/s Terna SSK Ltd.	100000.00
M/s Shakumbani Sugars Ltd.,	100000.00
M/s Shri Talabu Taluka SKM	100000.00
M/s Bileshwar khurd Udyog Khedut Sahakari Mandal Ltd.	100000.00
M/s Sanjivani SSK Ltd.	100000.00
M/s Rahuri S.S.K. Ltd	100000.00
M/s Ashok SSK Ltd.	100000.00
M/s Simbhaoli Sugar	300000.00
M/s Jagadamba SSK	100000.00
M/s Rana Sugar Ltd.	100000.00
M/s Dharani Sugar & Chemical Ltd.,	100000.00
M/s Bharat Sugar Ltd.	100000.00
M/s Triveni Engg. Industries Ltd.	200000.00
M/s Uttam Sugars Ltd.	100000.00
M/s Chamundeswari Sugar Mill	200000.00
M/s Mansurpur sugar Mills	100000.00
Total	36,00,000.00

Annexure-D Expanses Payable

As on 31.03.2006	Particulars	As on 31.03.2007
136250.00	Salary	151769.00
30238.00	M/s Vishnu hospitality services	0.00
2385.00	MTNL	1996.00
12122.00	M/s Rakesh Raj & Associates	0.00
0.00	M/s SRJ & Associates	5274.00
0.00	M/s Ankita Enterprises.	6371.00
7321.00	M/s Bharti Tele- Ventures Ltd.	0.00
0.00	M/S Camus Air Travel (P) Ltd.	117348.00
0.00	M/s Kendriya Bhandar	5178.00
0.00	M/s STAI	13600.00
0.00	M/s Lovely Printers	4784.00
0.00	M/s Air Flight Courier & Cago	4012.00
0.00	News paper & Magazine	1513.00
0.00	Telephone Expenses	45598.00
0.00	Traveling Expenses	13483.00
0.00	Hospitality Expenses	25482.00
188316.00		396408.00

Annexure -E Implementation Programme - Fiji Sugar Industries

As on 31.03.2006	Particulars	As on 31.03.2007
0.00	Grant Received	0.00
4052698.00	Expenditure	510849.00
512233.00	Balance Amount	1384.00

Sugar Technology Mission Payments receivable from Projects

Sl.No.	Name of the Project	Presently Due as on 31.03.07 (Rs.in lac)	Over due as on 31.03.07 (Rs.in lac)	In Future Due aftr. 31.03.07 (Rs. in lac)	Total Due (Rs. in lac)
1	Low Pressure Extraction System	0.0	90.0	0.0	90.0
2	Automation Condensing and Cooling System	0.0	84.0	0.0	84.0
3	Planetary Gear Box	0.0	14.0	0.0	14.0
4	Ethanol from Secondary Juice	22.0	44.0	44.0	110.0
5	Distillery Effluent Treatment System	0.0	0.0	42.0	42.0
6	Ethyl Lactate from Molasses	83.0	83.0	249.0	415.0
	Total	105.0	315.0	335.0	755.0

Sugar Technology Mission - TIFAC/DAT Trial Balance as on 31st March 2007

Sl.No.	Particulars	LF	Dr.	Cr.
1	Salary	1	1690793.00	—
2	Long Term Advance (Sh. Aneesh.S)	16	4000.00	—
3	Interest on loan (Sh. Aneesh.S)	17	—	528
4	C.G.H.S	18	—	4840
5	Vehicle Loan(Sh.Samson George)	19	26000.00	—
6	Long Term Advance (Sh. Samson George)	19	10000.00	—
7	Tea subscription	20	—	960.00
8	Misc.(Computer Charges)	21	—	3600.00
9	Medical Expenses	22	50331.00	—
10	Travelling Expenses(Domestic)	24	372171.00	—
11	Misc.Office Expenses	28	36478.00	—
12	Conveyance	30	2453.00	—
13	Carhire Charges	31	15432.00	—
14	Repair & Maintenance	32	19081.00	—
15	News Paper & Magazine	34	3812.00	—
16	Honorarium & Bonus	36	9000.00	—
17	Stationary & Printing	37	55272.00	—
18	Postage & Courier	39	6112.00	—
19	Wages	41	33200.00	—
20	LTC Expenses	46	2456.00	—
21	Telephone expenses	47	161305.00	—
22	Meeting Expenses	49	1125.00	—
23	Int. on refund of project Amt.	51	—	90690.00
24	Refund- ERP System (M/s The Godawari Sugar Mill)	53	—	2520000.00
25	Refund- ADU-FSB-WHR (M/s G.M.R Technologies & Industries Ltd.)	53	—	700000.00
26	Refund- Distillery Effluent Treatment System (M/s Ugar Sugar Works Ltd.)	54	—	1400000.00
27	Refund- Planetary Gear Box (Shri.Chamundeswari Sugar Ltd.)	55	—	2800000.00
28	Int. on Saving Bank A/c	56	—	403953.00
29	Int. on Short term deposit	56	—	3056539.00
30	Short Term deposit (U.B.I, Br-Rajauri Garden)	57	52086752.43	—
31	Short Term deposit (U.B.I, Br-Saket)	57	10371498.00	—

Sugar Technology Mission - TIFAC/DAT
Trial Balance as on 31st March 2007

Sl.No.	Particulars	LF	Dr.	Cr.
32	Computer/Peripherals	58	34887.00	—
33	Audit Fee	58	12570.00	—
34	Capital fund	59	—	67231694.43
35	Stale Cheques	60	—	3632.00
36	Furniture	60	30082.00	—
37	Books	61	0.00	—
38	Office equipment	61	476291.00	—
39	T.D.A- Manufacture of Ethyl Lacate from Molasses (M/s Godavari Sugar Mills)	62	6000000.00	—
40	T.D.A-Use of Mebrane Separation Technology to Produce Refined Sugar(M/s Simbhaoli Sugar)	63	10000000.00	—
41	Earnest Money (M/s. Sakthi Sugar, TN)	66	—	100000.00
42	Earnest Money (M/s. Pratappur Sugar)	66	—	100000.00
43	Earnest Money (M/s. RBNS)	67	—	100000.00
44	Earnest Money (M/s. LH Sugars)	67	—	100000.00
45	Earnest Money (M/s. Riga Sugars)	67	—	100000.00
46	Earnest Money (M/s. Jind Coop. Sugar)	68	—	100000.00
47	Earnest Money (M/s. Vishnu Sugars)	68	—	100000.00
48	Earnest Money (M/s. DSM Sugar)	68	—	100000.00
49	Earnest Money (M/s. Valsad SKUML)	69	—	100000.00
50	Earnest Money (M/s. Budhewal Coop)	69	—	100000.00
51	Earnest Money (M/s. Palwal Coop. Sugar)	69	—	100000.00
52	Earnest Money (M/s. Godavari Sugar)	70	—	100000.00
53	Earnest Money (M/s. Padmashri Dr. VVP)	70	—	100000.00
54	Earnest Money (M/s. Mawana Sugar)	70	—	100000.00
55	Earnest Money (M/s. EID Parry, Pugalur)	71	—	100000.00
56	Earnest Money (M/s. Biswasrao Naik SSK)	71	—	100000.00
57	Earnest Money (M/s. Terna SSK)	71	—	100000.00
58	Earnest Money (M/s. Shakumbari Sugar)	72	—	100000.00
59	Earnest Money (M/s. Shri Talala Taluka)	72	—	100000.00
60	Earnest Money (M/s. Shri Bileswar Sugar)	72	—	100000.00
61	Earnest Money (M/s. Sanjivani SSK Ltd.)	73	—	100000.00

Sugar Technology Mission - TIFAC/DAT Trial Balance as on 31st March 2007

Sl.No.	Particulars	LF	Dr.	Cr.
62	Earnest Money (M/s. Rahuri SSK Ltd.)	73	—	100000.00
63	Earnest Money (M/s. Ashok SSK Ltd.)	74	—	100000.00
64	Earnest Money (M/s. Saibhaoli Sugar)	74	—	300000.00
65	Earnest Money (M/s. Jagdamba SSK Ltd.)	74	—	100000.00
66	Earnest Money (M/s. Rana Sugars Ltd.)	75	—	100000.00
67	Earnest Money (M/s. Dharani Sugar Ltd.)	75	—	100000.00
68	Earnest Money (M/s. Bharat Sugar Ltd.)	75	—	100000.00
69	Earnest Money (M/s. Triveni Engg.)	76	—	200000.00
70	Earnest Money (M/s. Uttam Sugars Ltd.)	76	—	200000.00
71	Earnest Money (M/s. Chamundeswari)	76	—	100000.00
72	Earnest Money (M/s. Mansurpur)	77	—	100000.00
73	Interest accrued on flexi account	79	—	2808154.00
74	Flexi Depposit Account	80	37395549.00	—
75	Preparation of Project Report	82	—	1193998.00
76	Implimentation Programme-Fiji Sugar Industry	84	—	1384.00
77	Hospitality expenses	94	41651.00	—
78	Consultancy Charges	98	6061.00	—
79	Delegation Fee	125	6600.00	—
80	Ad-hoc Bonus	99	4934.00	—
81	Sundry Cr: (TIFAC)	100	—	40000000.00
82	TDS Consultancy	101	13125.00	—
83	Salary Payable	97	—	151769.00
84	Hospitality expenses payable	103	—	30756.00
85	Repair & Maintenance payable	103	—	6371.00
86	Travelling Expenses(Domestic) payable	103	—	130831.00
87	Telephone expenses payable	103	—	47594.00
88	Printing & Stationery payable	104	—	19962.00
89	News Paper & Magazine payable	105	—	1513.00
90	Delegation Fee payable	105	—	3600.00
91	Postage & Courier payable	105	—	4012.00
92	Cash in hand		373.00	—
93	Cash at Bank		7236986.00	—
	TOTAL		126216380.43	126216380.43

Auditor's Report

The Trustees,
TIFAC C.P. Fund Trust,
New Delhi-110016.

We have audited the attached Statement of Affairs of TIFAC C.P. Fund Trust as on 31st March 2007 with the books of accounts, maintained at New Delhi. The compliance of the provision of Provident Fund and Miscellaneous Provision Account has also been examined.

On the basis of such examination of the books of accounts, we state that subject to comments given as per notes on account as per point no. 1

1. The Statement of Affairs dealt with by this report are in agreement with the books of accounts of the Trust.
2. In our opinion and to the best of our information and according to explanation given to us, the said accounts give a true and fair view.
 - a) In the case of Statement of Affairs, the state of the affairs of the Trust as at 31st March 2007.

For **Rakesh Raj and Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

Date : 16th August, 2007
Place : New Delhi

Contributory Provident Fund - TIFAC Trial Balance as on 31st March, 2007

(Amount Rs.)

S.No.	Particulars	Folio	Debit Amount	Credit Amount
1	Employees Subscription A/C	GE0001		11825592.84
2	Employer's Contribution A/C	GE0002		4925277.00
3	Interest A/C	GI0001		7604509.70
4	CPF ADV: Shri Anil Kumar Ral	GC0001	45515.00	
5	CPF ADV: Shri Arghya Sardar	GC0002	17270.00	
7	CPF ADV: Ms. Sreedevi N.	GC0004	45000.00	
8	CPF ADV: Dr. S.K. Goel	GC0029	31253.00	
9	CPF ADV: Ms. Mini K.K.	GC0010	9000.00	
10	CPF ADV: Shri T. Adarsh	GC0030	18000.00	
11	CPF ADV: Shri Mahipal Singh Rawat	GC0013	23160.00	
12	CPF ADV: Dr. Gautam Goswami	GC0014	19842.00	
13	CPF ADV: Dr. T. Chakradhar	GC0015	80.00	
14	CPF ADV: Ms. Mercy James	GC0016	700.00	
15	CPF ADV: Sh. Samson George	GC0018	49600.00	
16	CPF ADV: Dr. P.K. Anil Kumar	GC0019	1500.00	
17	CPF ADV: Ms. Jyoti Saklani	GC0022	15550.00	
18	CPF ADV: Ms. Sangeeta Nagar	GC0023	18000.00	
19	CPF ADV: Ms. Geeta Nair	GC0024	7200.00	
20	CPF ADV: Ms. Anita Nair	GC0025	21040.00	
21	CPF ADV: Sh. Surender Prasad	GC0026	36040.00	
22	CPF ADV: Shri Rajan Sharma	GC0027	12000.00	
23	CPF ADV: Sh. Suresh Somanchi	GC0028	16960.00	
24	CPF ADV: Ms. Mala Sarpal	GC0008	112200.00	
25	CPF ADV: Sh.A. Parida	GS0001	4800.00	
26	Short Term Deposit (UBI)	GS0002	19163797.00	
27	Special Deposit (RBI) A/C	GS0003	520330.00	
28	Cash At Bank	GU0001	4166542.54	
Total			24,355,379.54	24,355,379.54

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Chairman

-Sd-
Trustee

Date : 16th August, 2007
Place : New Delhi

Contributory Provident Fund- TIFAC

Statement of Affairs as on 31st March, 2007

Previous Year as 31.03.2006	Particulars	Current Year As on 31.03.2007	Previous Year as on 31.03.2006	Particulars	Current Year As on 31.03.2007
6045008.70	Interest Accrued		2347837.54	Balance with UBI	4166542.54
	Last Balance	6899137.70		Deposits	
882153.00	Add: Received during the year		520330.00	Special deposit with RBI	520330.00
	Accrued during the year	713413.00	18581501.00	Short Term deposit with UBI	19163797.00
6927161.70		7612550.70		Loan/Advances to staff members	
28024.00	Less: Paid during the year	8041.00	38193.00	Shri Anil Kumar Rai	45515.00
6899137.70		7604509.70	51710.00	Shri Arghya Sardar	17270.00
	Employees Contribution		35000.00	Shri Atul Mittal	0.00
9457057.84	Last Balance	10233645.84	75000.00	Ms. Sreedevi N.	45000.00
3158801.00	Add: Received during the year	3432678.00	42000.00	Mrs. Sangeeta Nagar	18000.00
2382213.00	Less: Paid during the year	1840731.00	23680.00	Sh. Suresh Somanchi	16960.00
10233645.84		11825592.84	0.00	Mrs. Mala Sarpal	112200.00
	TIFAC Contribution		2400.00	Mrs. Promila Khilnani	0.00
3565806.00	Last Balance	4991958.00	21000.00	Ms. Mini K.K.	9000.00
1842007.00	Add: Received during the year	0.00	0.00	Dr. S.K. Goel	31253.00
			13000.00	Ms. Geeta	0.00
415855.00	Less: Paid during the year	66681.00	35880.00	Sh. Mahipal Singh Rawat	23160.00
4991958.00		4925277.00	6000.00	Dr. Gautam Goswami	19842.00
			11720.00	Dr. T. Chakradhar	80.00
			8800.00	Mrs. Mercy James	700.00
			2520.00	Sh. Ravi Dutt	0.00
			83200.00	Sh. Samson George	49600.00
			38400.00	Sh. A. Parida	4800.00
			19500.00	Dr. P. K. Anil Kumar	1500.00
			0.00	Sh. T. Adarsh	18000.00
			9000.00	Sh. N.S. Nair	0.00
			25750.00	Ms. Jyoti Saklani	15550.00
			16800.00	Ms. Geeta Nair	7200.00
			33760.00	Ms. Anita Nair	21040.00
			57760.00	Sh. Surender Prasad	36040.00
			24000.00	Sh. Rajan Sharma	12000.00
22124741.54	Total	24355379.54	0.00	Total	24355379.54

for **Rakesh Raj & Associates**
Chartered Accountants

Sd-
Ashwani Taneja
(Partner)

Sd-
Chairman

Sd-
Trustee

Date : 16th August, 2007
Place : New Delhi



Auditor's Report

The Members,
National Mission on Bamboo Applications
New Delhi – 110016

We have audited the attached Balance Sheet of National Mission on Bamboo Applications Under TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL (TIFAC), NEW DELHI as on 31st March 2007 and also the attached Income & Expenditure Accounts for the year ended on that date.

These financial statements are the responsibility of the management of the National Mission on Bamboo Applications-TIFAC. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in India.

Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management, as well as evaluating the overall presentations of the financial statements. We believe that our audit provides a reasonable basis for our opinion.

Subject to our Audit objections as per Annexure 1 enclosed and observations given in the Notes to Accounts as per Schedule- 24 & 25, we report that :-

- 1) We have obtained all the information and explanation which to the best of our knowledge and belief were necessary for the purposes of our Audit.
- 2) In our opinion proper books of account as required by law have been kept by National Mission on Bamboo Application- TIFAC.
- 3) The Balance sheet and Income and Expenditure Accounts dealt with by this report are in agreement with the books of account.
- 4) In our opinion and to the best of our information and according to the explanations given to us, the said accounts read with the schedules and notes thereto given the information required by Society Registration Act, in the manner so required and given a true and fair view :-
 - a) In case of Balance Sheet, of the state of affair of the NMBA as at 31st March 2007.
 - b) In case of Income & Expenditure Account, of the excess of income over expenditure for the accounting year ended on that date.

For **Rakesh Raj and Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

Date : 16th August, 2007
Place : New Delhi

Annexure : AR 1 - Audit Observation

- 1) It is observed that in few cases TDS has not been deducted from certain payment, management is required to take appropriate action for recovery of TDS from the parties wherever applicable.
- 2) It is observed in the same cases that lower amount of tax has been deducted from the payments made on account of contractor/ consultants.
- 3) In some cases the payment exceeds Rs.20,000/- during the year but TDS has not been deducted which is required under Income Tax act 1961.
- 4) In some cases TDS has been deposited late during the year in the cases of Contract and Salary, Management is required to take appropriate action in this regard.

For **Rakesh Raj and Associates**
Chartered Accountants

-Sd-

Ashwani Taneja
(Partner)

Date : 16th August, 2007
Place : New Delhi



National Mission on Bamboo Applications Reply to Audit Observation

- 1) Regarding observation no.1& 2 action in respect of deduction of TDS is already being taken, Hence the observation No.1 & 2 may kindly be dropped.
- 2) Reference to audit query No.3 , regarding not deduction of TDS in some cases. In this connection it is mentioned here that since the payment of contractor / consultants was made as one time payment . hence it is not possible to make the deductions of TDS at this stage. Therefore, the observation No.3 may kindly be dropped.
- 3) Reference to the Audit Query No.4, regarding the delay in depositing of TDS for the F.Y. 2006-07 . is noted for future compliance.

Date : 16th August, 2007

Place : New Delhi

**National Mission on Bamboo Application
Technology Information, Forecasting & Assessment Council
Balance Sheet as On 31.03.2007**

(Amount-Rs.)

	Schedule	Current Year	Previous Year
Corpus/Capital Fund and Liabilities			
Corpus /Capital Fund	1	109653500.00	76624109.10
Reserves And Surplus	2	0.00	0.00
Earmarked/ Endowment Funds	3	0.00	0.00
Secured Loans And Borrowings	4	0.00	0.00
Unsecured Loans And Borrowings	5	0.00	0.00
Deferred Credit Liabilities	6	0.00	0.00
Current Liabilities And Provisions	7	460022.00	470756.00
Total		110113522.00	77094865.10
ASSETS			
Fixed Assets (net)	8	3660919.00	640239.00
Investments – From Earmarked/endowment Funds	9	0.00	0.00
Investments – Others	10	0.00	0.00
Current Assets, Loans, Advances Etc.	11	106452603.00	73903827.10
Capital Work In Progress.	-	0.00	0.00
Miscellaneous Expenditure (to The Extent Not Written Off Or Adjusted)	11a	0.00	2550799.00
Total		110113522.00	77094865.10
Significant Accounting Policies	24		
Contingent Liabilities And Notes On Accounts	25		

As per our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

**Sd-
Ashwani Taneja
(Partner)**

**Sd-
Accounts Officer**

**Sd-
Registrar
NMBA**

**Sd-
Mission Director
NMBA**

Date : 16th August, 2007
Place : New Delhi

TIFAC
National Mission on Bamboo Applications
Income and Expenditure Account for the Year Ended 31.03.2007

(Amount-Rs.)

Income	Schedule / Annexure	Current Year	Previous Year
Income From Sales / Services	Schedule 12	0.00	0.00
Grants/Subsidies/Fees / Subscriptions	Schedule 13	300000000.00	208432545.60
Income From Investment	Schedule 14	0.00	0.00
Income from Royalty, Publication Etc.	Schedule 15	0.00	0.00
Interest Earned	Schedule 16	587602.00	472014.00
Other Income	Schedule 17	2814573.70	1816938.50
Increase/Decrease in Stock of Finished Goods & Work in Progress	Schedule 18	10558031.00	1311300.00
Refund from Projects & Others	Schedule 19	0.00	0.00
Total (A)		313960206.70	212032798.10
Expenditure			
Establishment Expenses	Schedule 20	5523946.00	4788208.00
Other Administrative Expenses etc.	Schedule 21	19157582.80	12105491.00
Expenditure on Grant, Subsidies etc. (Project Expenditures)	Schedule 22	255721339.00	118062778.00
Interest	Schedule 23	0.00	0.00
Depreciation on (Net Total at the Year end)	Schedule 08	527948.00	452212.00
Total (B)		280930815.80	135408689.00
Balance being excess of Income over Expenditure (A-B)		33029390.90	76624109.10
Balance being excess of Expenditure over Income (A-B)			0.00
Balance being Surplus transferred to Corpus/Capital Fund		33029390.90	
Balance being Deficit transferred to Corpus/Capital Fund			

As per our report of even date

for **Rakesh Raj & Associates**
Chartered Accountants

**Sd-
Ashwani Taneja
(Partner)**

**Sd-
Accounts Officer**

**Sd-
Registrar
NMBA**

**Sd-
Mission Director
NMBA**

Date : 16th August, 2007
Place : New Delhi

**National Mission on Bamboo Applications
Technology Information Forecasting And Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet As At 31.03.2007**

Schedule 1 - Corpus/Capital Fund

(Amount-Rs.)

	National Mission on Bamboo Applications Current Year Balance	National Mission on Bamboo Applications Previous Year Balance
Opening Balance	76624109.10	0.00
Amount of diff. in opening balance of fixed assets not taken from TIFAC books of A/c in NMBA F/A schedule	0.00	0.00
Excess of Income Over Expenditure	33029390.90	76624109.10
Total	109653500.00	0.00
Excess of Expenditure over Income	0.00	0.00
Total	0.00	0.00
Closing Balance	109653500.00	76624109.10

Schedule 2 - Reserve and Surplus

	Current Year	Previous Year
1. Capital Reserve :		
As per last Account	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
2. Revaluation Reserves :		
As per last Account	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
3. Special Reserve :		
As per last Account	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
4. General Reserve :		
As per last Account	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
TOTAL	0.00	0.00

**National Mission for Bamboo Applications
Technology Information, Forecasting & Assessment Council
Schedules Forming Part of Balance Sheet As At 31.03.2007**

Schedule 3 - Earmarked/Endowment Funds

(Amount-Rs.)

	Current Year	Previous Year
a) Opening Balance of the funds	0.00	0.00
b) Additions to the Funds:		
i) Donations /grants	0.00	0.00
ii) Income from investments made on account of funds	0.00	0.00
iii) Other Additions (Specify)		
TOTAL (a + b)	0.00	0.00
c) Utilization /Expenditure towards objectives of funds		
i) Capital Expenditure	0.00	0.00
Fixed Assets	0.00	0.00
Others	0.00	0.00
ii) Revenue Expenditure		
Salary, Wages and allowance etc	0.00	0.00
Rent	0.00	0.00
Other Administrative Expenses	0.00	0.00
TOTAL (c)	0.00	0.00
Net Balance as at the year end (a + b- c)	0.00	0.00

Notes

- 1) Disclosures shall be made under relevant Heads based on conditions attaching to the Grants.
- 2) Plan Funds received from Central /State Governments are to be shown as separate Funds and not to be mixed up with any other Funds.

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 4 – Secured Loans and Borrowings:

(Amount-Rs.)

	Current Year	Previous Year
1. Central Government	0.00	0.00
2. State Government (Specify)	0.00	0.00
3. Financial Institutions		
a) Term Loans	0.00	0.00
b) Interest accrued and due	0.00	0.00
4. Banks:		
a) Term Loans	0.00	0.00
- Interest accrued and due	0.00	0.00
b) Other Loans (specify)	0.00	0.00
- Interest accrued and due	0.00	0.00
5. Other Institutions and Agencies	0.00	0.00
6. Debentures and Bonds	0.00	0.00
7. Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

Note : Amounts due within one year

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 5 - Unsecured Loans and Borrowings

(Amount-Rs.)

	Current Year	Previous Year
1. Central Government	0.00	0.00
2. State Government (Specify)	0.00	0.00
3. Financial Institutions	0.00	0.00
4. Banks:		
a) Term Loans	0.00	0.00
b) Other Loans (specify)	0.00	0.00
5. Other Institutions and Agencies	0.00	0.00
6. Debentures and Bonds	0.00	0.00
7. Fixed Deposits	0.00	0.00
8. Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

Note : Amounts due within one year

Schedule 6 - Deferred Credit Liabilities

(Amount-Rs.)

	Current Year	Previous Year
a) Acceptances secured by hypothecation of Capital equipment and other assets	0.00	0.00
b) Others	0.00	0.00
TOTAL	0.00	0.00

Note : Amounts due within one year

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 7 - Current Liabilities and Provisions

(Amount-Rs.)

	Current Year	Previous Year
A. Current Liabilities		
1. Acceptances		
2. Sundry Creditors:		
a) For Goods	0.00	0.00
b) Others	0.00	0.00
3. Advances Received	0.00	0.00
4. Interest accrued but not due on:		
a) Secured Loans/borrowings	0.00	0.00
b) Unsecured Loans/borrowings	0.00	0.00
5. Statutory Liabilities:		
a) Over dues	0.00	0.00
b) Others	0.00	0.00
6. Other current Liabilities		
a) Salary Payable	450022.00	364008.00
b) Security Deposit :NG'S Designs Pvt. Ltd.	00.00	15000.00
c) TIFAC Expenses Payable	00.00	71748.00
d) Audit Fee Payable	10000.00	20000.00
TOTAL (A)	460022.00	470756.00
B. Provisions		
1. For Taxation	0.00	0.00
2. Gratuity	0.00	0.00
3. Superannuation/Pension	0.00	0.00
4. Accumulated Leave Encashment	0.00	0.00
5. Trade Warranties/Claims	0.00	0.00
6. Others (Specify)	0.00	0.00
TOTAL (B)	0.00	0.00
TOTAL (A + B)	460022.00	470756.00

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 8 - Fixed Assets

(Amount-Rs.)

Description	Gross Block				Depreciation				Net Block	
	Cost/ valuation As at beginning of the year	Additions during the year	Deductions during the year	Cost/ valuation at the year end	As at the beginning of the year	On Additions during the year	On Deductions during the year	Total upto the year end	As at the current year end	As at the previous year end
A. Fixed Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. a) Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b) Leasehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
a) On Freehold Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b) On Leasehold Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c) Ownership Flats/ Premises	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
d) Superstructures on Land not	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
e) Interior Works	2550799.00	768767.00	0.00	3319566.00	127540.00	19864.00	0.00	147404.00	3172162.00	0.00
3. Plant Machinery & Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Vehicles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Furniture & Fixtures	84673.00	2000.00	0.00	86673.00	8497.00	200.00	0.00	8697.00	77976.00	84673.00
6. Office Equipment	79888.00	26590.00	0.00	106478.00	11983.00	1994.00	0.00	13977.00	92501.00	79888.00
7. Computer/Peripherals	441346.00	174724.00	0.00	616070.00	264628.00	86054.00	0.00	350682.00	265388.00	441346.00
8. Electric Installations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Library Books	34332.00	25748.00	0.00	60080.00	5150.00	2038.00	0.00	7188.00	52892.00	34332.00
10. Tubewell & W. Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Other Fixed Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total of Current Year	3191038.00	997829.00	0.00	4188867.00	417798.00	110150.00	0.00	527948.00	3660919.00	640239.00
Previous Year	1092451.00	1092451.00	0.00	1092451.00	0.00	452212.00	0.00	452212.00	640239.00	0.00
B. Capital Work in Progress										

Cost of Assets on hire purchase basis included above

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 9 - Investments From Earmarked/Endowment Funds

(Amount-Rs.)

	Current Year	Previous Year
1. In Government Securities	0.00	0.00
2. Other approved Securities	0.00	0.00
3. Shares	0.00	0.00
4. Debentures and Bonds	0.00	0.00
5. Subsidiaries and Joint Ventures	0.00	0.00
6. Others (to be specified)	0.00	0.00
TOTAL	0.00	0.00

Schedule 10 - Investments - Others

(Amount-Rs.)

	Current Year	Previous Year
1. In Government Securities	0.00	0.00
2. Other approved Securities	0.00	0.00
3. Shares	0.00	0.00
4. Debentures and Bonds	0.00	0.00
5. Subsidiaries and Joint Ventures	0.00	0.00
6. Others (to be specified)	0.00	0.00
TOTAL	0.00	0.00

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 11 - Current Assets, Loans, Advances etc.

(Amount-Rs.)

	Current Year		Previous Year	
A. Current Assets				
1. Inventories:				
a) Stores and Spares				
b) Loose Tools	0.00		0.00	
c) Stock-in-trade	0.00		0.00	
Finished Goods				
Work-in-progress				
Raw Materials	0.00		0.00	
2. Sundry Debtors:	0.00		0.00	
Sundry Debtors-MTNL	0.00		0.00	
3. Cash balances in hand (including cheques/drafts and imprest)	17711.00		9066.00	
4. Bank Balances:				
a) With Scheduled Banks: (Union Bank of India)				
On Current Accounts				
On Deposit Accounts (Short term deposits)				
On Savings Accounts				
On Interest Receivable				
0) With non-Scheduled Banks:				
On Current Accounts	00.00		40000000.00	
On Deposit Accounts	00.00		00.00	
On Savings Accounts	106179737.00		33461347.60	
On Interest Receivable	00.00		263040.50	
4. Post Office-Savings Accounts	00.00		00.00	
TOTAL (A)	106197448.00		73733454.10	

(Amount-Rs.)

	Current Year		Previous Year	
B. Loans, Advances and Other Assets				
1. Loans				
2. Advance and other amounts recoverable in cash or in kind or for value to be received.				
a) On capital Account				
1) Advance for projects materials				
b) Prepayments				
c) Others				
- Security Deposit MTNL	500.00		500.00	
- Security Deposit :Romi Sukhija (Lease)	19000.00		15000.00	
- Security Deposit: Sh. Harish C. Gaur	19000.00		17000.00	
- Security Deposit : Sh. Lekha Ram	00.00		15000.00	
- Tour Advance : Col. Arvind Malhotra	203655.00		98447.00	
- Tour Advance : Sh. Sudhir Pandey	8000.00		24426.00	
- Tour Advance : Sh. Ajay Kumar	5000.00		00.00	
3. Income Accrued:-				
a) On Investments from Earmarked/ Endowment Funds	00.00		00.00	
b) On Investment – Others	00.00		00.00	
c) On Loans and Advances	00.00		00.00	
d) Others (includes income due unrealized Rs.....)	00.00		00.00	
4. Claims Receivable	00.00		00.00	
Total – B	255155.00		170373.00	
Total (A + B)	106452603.00		73903827.10	

Schedule 11A - Capital Fund in Progress

(Amount-Rs.)

	Current Year		Previous Year	
i) Interior Work of NMBA/TIFAC Building(Civil/Elect)	0.00		2550799.0	
	0.00		2550799.00	

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 12 - Income From Sales / Services

(Amount-Rs.)

	Current Year	Previous Year
1. Income from Sales		
a) Sale of finished Goods	0.00	0.00
b) Sale of Raw Material	0.00	0.00
c) Sale of Scraps	0.00	0.00
2. Income from Services		
a) Labour and Processing Charges	0.00	0.00
b) Professional/Consultancy Services	0.00	0.00
c) Agency Commissions and Brokerage	0.00	0.00
d) Maintenance Services (Equipment/Property)	0.00	0.00
e) Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

Schedule 13 - Grants/Subsidies (TIFAC Regular)

(Amount-Rs.)

	Current Year	Previous Year
(Irrevocable Grants & Subsidies Received)		
1. From Central Government		
A. NMBA GRANTS		
Grants in Aid (Plan)	300000000.00	171667000.00
Grant in Aid (Non plan)	00.00	00.00
*Transferred From TIFAC	00.00	36765545.60
2. State Government(s)	00.00	00.00
3. Government Agencies	00.00	00.00
4. Institutions/Welfare Bodies	00.00	00.00
5. International Organisations	00.00	00.00
6. Others (Specify)	00.00	00.00
TOTAL	300000000.00	208432545.60

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 14 - Fees/Subscriptions

(Amount-Rs.)

	Current Year	Previous Year
1. Entrance Fees	0.00	0.00
2. Annual Fees/Subscriptions	0.00	0.00
3. Seminar/Program Fees	0.00	0.00
4. Consultancy Fees	0.00	0.00
5. Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

Schedule 15 - Income from Investments

(Amount-Rs.)

	Investment from Earmarked Fund		Investment – Others	
	Current Year	Previous Year	Current Year	Previous Year
(Income on Invest. From Earmarked/ Endowment Funds transferred to Funds)				
1. Interest				
a) On Govt. Securities	0.00		0.00	0.00
b) Other Bonds/Debentures	0.00		0.00	0.00
2. Dividends:				
a) On Shares	0.00		0.00	0.00
b) On Mutual Fund Securities	0.00		0.00	0.00
3. Rents	0.00		0.00	0.00
4. Others (Specify)	0.00		0.00	0.00
TOTAL	0.00			0.00

Transferred to Earmarked/Endowment Funds

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 16 - Income From Royalty, Publication Etc.

(Amount-Rs.)

	Current Year	Previous Year
1. Income from Royalty	00.00	00.00
2. Income from Publications	587602.00	472014.00
3. Others (Specify)	00.00	00.00
4. Interest : Mobilisation Advance. (Civil)	00.00	00.00
TOTAL	587602.00	472014.00

Schedule 17 - Interest Earned (Regular)

(Amount-Rs.)

	Current Year	Previous Year
1. On Term Deposits:		
a) With Scheduled Banks	2174930.70	489888.50
b) With Non-Scheduled Banks	00.00	00.00
c) With Institutions	00.00	00.00
d) Others	00.00	00.00
2. On Savings Accounts:		
a) With Scheduled Banks	639643.00	1327050.00
b) With Non-Scheduled Banks	00.00	00.00
c) Post Office Savings Accounts	00.00	00.00
d) Others	00.00	00.00
3. On Loans:		
a) Employees/Staff	00.00	00.00
b) Others (Long term advances)	00.00	00.00
4. Interest on Debtors and Other Receivables	00.00	00.00
TOTAL	2814573.70	1816938.50

Note - Tax deducted at source to be indicated

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 18 - Other Income

(Amount-Rs.)

	Current Year	Previous Year
1. Profit on Sale/disposal of Assets		
a) Owned assets	0.00	0.00
2. Assets acquired out of grants, or received free of cost	0.00	0.00
3. Export Incentives realized	0.00	0.00
4. Fees for Miscellaneous Services	0.00	0.00
5. Miscellaneous Income		
- Other receipts (computers)	6000.00	3600.00
- Other receipts (sale of Prefab shelter)	259177.00	83712.00
- Other Receipt (Licence fee)	6370.00	6860.00
- Other Receipt (Sale of Plantation)	270000.00	5978.00
- Project grant Unspent balance refund	00.00	1211150.00
CIPET- Bamboo Fiber Rainforce thermoplast	280000.00	00.00
SE,Hyderabad- Design of Hydraulic Machine	225000.00	00.00
- Project Refund :-		
NFPL- Refund of 1800TPA Bamboo shoot project	250000.00	00.00
SPF- Silver making unit at Bongaigaon	350000.00	00.00
Deva – Silver & Furniture unit at Imphal (Nedfi Project)	68750.00	00.00
- Project Contribution / Subsidies for demonstration of Structure	8842734.00	00.00
TOTAL	10558031.00	1311300.00

Schedule 19 - Increase/(Decrease) in Stock of Finished Goods & Work in Progress

(Amount-Rs.)

	Current Year	Previous Year
a) Closing stock		
- Finished Goods	0.00	0.00
- Work-in-progress	0.00	0.00
b) Less: Opening Stock		
- Finished Goods	0.00	0.00
- Work-in –progress	0.00	0.00
NET INCREASE/(DECREASE) [a-b]	0.00	0.00

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 20 - Establishment Expenses (NMBA / TIFAC Regular)

(Amount-Rs.)

	Current Year	Previous Year
a) Salaries	4824455.00	3992928.00
b) Allowances and Bonus	6578.00	4367.00
c) TIFAC Employer Contribution to Provident Fund	39655.00	57948.00
d) Contribution to Other Fund (specify)	0.00	0.00
e) Staff Welfare Expenses	0.00	0.00
f) Expenses on Employees' Retirement and Terminal benefit (Gratuity)	0.00	0.00
g) Others (Specify)	0.00	0.00
- Consultancy charges	00.00	18000.00
- Wages	00.00	0.00
- Honorarium	00.00	27250.00
- Medical Expenses	165566.00	316341.00
- Leave Travel Concession	45590.00	7294.00
- Leave Salary & Pension Contribution	11902.00	7033.00
- Lease Accommodation	300900.00	270000.00
- Transfer on Traveling Allowance	112300.00	87047.00
- Member ship Fee	17000.00	00.00
TOTAL	5523946.00	4788208.00

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 21 - Administrative Expenses Etc.

(Amount-Rs.)

	Current Year	Previous Year
a) Repairs and maintenance	133206.00	65984.00
b) Rent, Rates and Taxes	00.00	00.00
c) Car Hire Charges & Conveyance	1070037.00	650381.00
d) Postage, Telephone and Communication Charges	434662.00	337371.00
e) Printing and Stationary	1019180.00	2304740.00
f) Travelling Expenses (Domestics)	3711747.00	3207518.00
g) Expenses on Seminary/Workshops /Others Exp.(D)	7965487.00	3078714.00
h) Meeting Expenses	57127.00	272844.00
i) Expenses on Fees (Tuition fee)	00.00	480.00
j) Auditors Remuneration	12448.00	20000.00
k) Advertisement and Publicity	00.00	102000.00
l) Others (Specify)		
- Stationery	284232.00	136046.00
- MISC. Office Expenses	336366.00	263657.00
- Perodical & Magazine	9522.00	5158.00
- NID Publication	2008.00	00.00
- Bank Charges	4691.80	00.00
m) Maintenance of Vishwakarma Bhavan	00.00	00.00
n) Loss on sale of Fixed Assets	00.00	00.00
o) Legal Charges	00.00	00.00
p) Travel Abroad	3390704.00	702462.00
q) International Conference on NMBA	726165.00	958136.00
r) Other Fixed Assets	00.00	00.00
TOTAL	19157582.80	12105491.00



**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 22 - Expenditure on Grants, Subsidies Etc.

(Amount-Rs.)

	Current Year	Previous Year
a) Grants given to Institutions/Organizations Project Expenditure (As per Annexure-A)	255721339.00	118062778.00
b) Subsidies given to Institutions/Organizations	00.00	00.00
TOTAL	255721339.00	118062778.00

Note – Name of the Entities, their Activities along with the amount of Grants/Subsidies are to be disclosed.

Schedule 23 - Interest

(Amount-Rs.)

	Current Year	Previous Year
a) On Fixed Loans (Including Bank Charges)	0.00	0.00
b) On Other Loans (including Bank Charges)	0.00	0.00
c) Others (Specify)	0.00	0.00
TOTAL	0.00	0.00

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule - 24

ACCOUNTING POLICIES AND NOTES TO THE ACCOUNTS FOR THE YEAR ENDING 31ST MARCH, 2007

A) ACCOUNTING POLICIES

- 1 The Council has adopted Mercantile System of the Accounting.
- 2 Fixed Assets are shown at cost Less Depreciation.
- 3 Prior period and extra ordinary items and changes in accounting policies having material impact on the financial affairs of the Council are disclosed.
- 4 Depreciation has been calculated as per Income Tax Act, 1961. Deviation are as per Note B(1) below.
- 5 Amounts released under various projects are accounted as expenditure for the year in which the same are released, irrespective of the fact that the amounts so released may not have been fully utilized towards the projects during the accounting year.
- 6 Unspent amount of grant received during the year for specific purposes has transferred to Capital Account.
- 7 The repayment of grant / assistance to TIFAC by the beneficiaries, as per condition stated in agreements with them shall be accounted on receipt basis.
- 8 All disbursements for projects are treated as expenditure during the Financial Year and assets created, if any, out of the said disbursements to the project, are not accounted for as assets in the books.
- 9 Contingent liabilities in respect of on-going Projects / Studies etc. are neither provided nor determined.
- 10 Total expenditure is not bifurcated in plan and non plan expenditures in financial statements.

B) NOTES TO THE ACCOUNTS

- 1 Depreciation amount Rs.527948.00 has been provided during the financial year 2006-2007 but depreciation is not provided for Fixed Assets created in respect of following project (i.e expenditure on Fixed Assets treated as Revenue Expenditure)-Capital Expenditure of National Mission on Bamboo Applications.
- 2 Stock of Publications and Studies, which are published and printed by the Council and distributed at a cost are not accounted for as Stock in hand at the end of the year.
- 3 Expenses for purchase of Capital Goods debited to grants utilized and not shown as fixed assets in the final statements are as below:

	Current Year (Rs.)	Previous Year (Rs.)
Mission Project On Technology For Bamboo Products		
Office Equipment	26590.00	93721.00
Computer/ Peripherals	174724.00	870800.00
Furniture	2000.00	89445.00
Others	25748.00	38485.00
Interior Works	768767.00	2550799.00



4. Audited financial statements / utilization statements duly certified by Chartered Accountants in respect of grant utilized / released during the year has not yet been received in some cases from the implementing agencies.
5. There are no query / note by parliament / Department of Science and Technology outstanding in respect of previous audited accounts of TIFAC. This is as certified by the registrar.
6. Previous year figures have been regrouped wherever necessary, to make them comparable with current year figures.
7. Accounts have been prepared as per New format provided by CAG for Non-profit organization. Previous year's figures have also been re-arranged as per new format. The format for Income & Expenditure A/c's has been changed in order to reflect all types of grants received by TIFAC in the account. The previous year's figures have been regrouped accordingly in the Income & Expenditure Account.
8. Liability towards gratuity payable on death / retirement of employees is not provided for.
9. Provision for accumulated leave encashment benefit to employees is not provided for.
10. Necessary Provision has been made for the following Expenses

Salary	450022.00
Audit Fees	10000.00
11. Traveling expenses related to meeting paid to outside party has been accounted for as meeting expenses during the Financial year 2006-2007.

for **Rakesh Raj & Associates**
Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer
NMBA

-Sd-
Registrar
NMBA

-Sd-
Mission Director
NMBA

Date : 16th August, 2007
Place : New Delhi

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 25 - Contingent Liabilities and Notes on Accounts (Illustrative)

1. CONTINGENT LIABILITIES

1.1. Claims against the Entity not acknowledged as debts – Rs. NIL (Previous year Rs. NIL)

1.2. In respect of

- Bank guarantees given by/on behalf of the Entity – Rs. NIL (Previous year Rs. NIL)

- Letters of Credit opened by Bank on behalf of the Entity – Rs. NIL (Previous year Rs. NIL)

- Bills discounted with banks Rs. NIL (Previous year Rs. NIL)

1.3. Disputed demands in respect of:

Income-tax Rs. NIL (Previous year Rs. NIL)

Sales-tax Rs. NIL (Previous year Rs. NIL)

Municipal Taxes Rs. NIL (Previous year Rs. NIL)

1.4. In respect of claims from parties for non-execution of orders, but contested by the Entity – Rs. NIL (Previous year Rs. NIL)

2. CAPITAL COMMITMENTS

Estimated value of contracts remaining to be executed on capital account and not provided for (net of advances) Rs. NIL (Previous year Rs. NIL)

3. LEASE OBLIGATIONS

Future obligations for rentals under finance lease arrangements for plant and machinery amount to Rs. NIL (Previous year Rs. NIL)

4. CURRENT ASSETS, LOANS AND ADVANCES

In the opinion of the Management, the current assets, loans and advances have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet.

5. TAXATION

In view of there being no taxable income under Income-tax Act 1961, no provision for Income Tax has been considered necessary.

**National Mission For Bamboo Applications
Technology Information Forecasting and Assessment Council (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2007**

Schedule 25 - Contingent Liabilities and Notes on Accounts (Illustrative) - Contd.

6. FOREIGN CURRENCY TRANSACTIONS

(Amount-Rs.)

	Current Year	Previous Year
6.1. Value of Imports Calculated on C.I.F. Basis:		
- Purchase of finished Goods	N.A.	N.A.
- Raw Materials & Components (Including in transit)	N.A.	N.A.
- Capital Goods	N.A.	N.A.
- Stores, Spares and Consumables	N.A.	N.A.
6.2 Expenditure in foreign currency:		
a) Travel	N.A.	N.A.
b) Remittances and Interest payment to Financial Institutions/Banks in Foreign Currency	N.A.	N.A.
Other expenditure:		
- Commission on Sale	N.A.	N.A.
- Legal and Professional Expenses	N.A.	N.A.
- Miscellaneous Expenses	N.A.	N.A.
6.3 Earnings:		
Value of Exports on FO basis	N.A.	N.A.
6.4 Remuneration to auditors:		
As Auditors	0.00	0.00
- Taxation matters	0.00	0.00
- For Management services	0.00	0.00
- For certificate	0.00	0.00
- Others	0.00	0.00
7. Corresponding figures for the previous year have been regrouped/rearranged, wherever necessary.		
8. Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet as at 31.03.2007 and the Income and Expenditure Account for the year ended on that date.		

for **Rakesh Raj & Associates**

Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer
NMBA

-Sd-
Registrar
NMBA

-Sd-
Mission Director
NMBA

Date : 16th August, 2007

Place : New Delhi

Annexure - A National Mission on Bamboo Application

(Amount-Rs.)

Particulars	Current Year	Previous Year
Project Expenditure		
- 56 Eng.,10km Bamboo fencing at 14nf Div. c/town, Dehradun	0.00	534000.00
- Assessment & projation of potential commercial units based on bamboo gasification & charcoal /activated carbon in three North-Eastern state of Tripura, Mizoram and Arunachal Pradesh by DA	0.00	689354.00
- Bamboo characterization for thermo-chemical conversion & feasibility of bamboo based gassification & charcoal making by lisc.	0.00	415200.00
- Assessment of promotion of potential commercial unit based on bamboo gasification and charcoal / activated carbon in 3 N-E state of Tripura, Mizoram and Arunachal Pradesh, by lisc.	0.00	300000.00
- Bamboo plantation based technology package for soil reclamation soil stabilization & community level, shoot cultivation & processing by DZHMT	0.00	717193.00
- Demonstration of drum charring unit in five location in India by IIT,Mumbai.	0.00	392000.00
- Demonstration of monopodial bamboo plantation & Chinies bamboo in Arunachal Pradesh by SFRI – APFRDA-Itanagar as 45000 Moso Seeds/plant	250000.00	52800.00
- Development & standardized of technology for construction of bamboo sandwich composite material & production & development of techno -commercial project package for entrepreneurial action by SDC, Bangalore.	0.00	1000000.00
- Establishment of a bamboo flooring & composites manufacture unit at Guwahati (KFPPL)	2226851.00	6319756.00
- Development and demonstration of structural application involving the use of bamboo and based material (Khammam, A.P.) by HET	0.00	200000.00
- Development & demonstration of a bamboo based housing at SALOD, Wardna. by ASTS,Pipri	0.00	493323.00
- Design & development of prototype of primary processing machineris for bamboo applications.	104208.00	649640.00
- Procurement of material for prefabricated shelter of flattened bamboo for various sector as demonstration of NMBA Products	23029325.00	10280275.00

(Amount-Rs.)

Particulars	Current Year	Previous Year
- Product promoting scheme of bamboo composite. and wood substitute.	686347.00	98000.00
- Propagation of phyllostachys pubescens in H.P Palampur by IHBT	0.00	176542.00
- UBFDB-Demonstration of Bamboo Plantation Based Technology for soil reclamation Community Level Cultivation.	562400.00	0.00
- TERI Bamboo Plantation with soil Enrichment & Amendments using fly ash & Mycorrhizal in Koobra (Chattisgarh)	421572.00	632358.00
- TERI Sehor (MP) Tech. Package for Bamboo Plantation with soil enrichment using fly ash & Mycorrhizal bio	448122.00	672183.00
- Process of Bamboo Shoot at 8 Locations including 6 location in North-East, 1 in Karnataka & 1 in U.P, by ERG,Bangalore	0.00	172740.00
- Supply of Tissue Cultures plants of bambusa Balcooa, Bambusa Nutans & Dendrocalamus, by Gromore,Hosur.	157050.00	130712.00
- Development of Continuous bamboo slat dryer by ERG, Bangalore.	617320.00	1384151.00
- Teri Prepration of a manual on tissue culture.	60000.00	0.00
- Development of NMBA Website on the Basis of already developed content structure & design Interface by Inomy Media.	380000.00	275000.00
- NEDFI (LVFPPL) Bamboo shoot Processing unit in Jorhat.	970000.00	0.00
- Study on bamboo production consumption by VMRC,Mumbai	0.00	76057.00
- TERI Bambusetums for superior germplasma of Bamboos at three location in GWH,HYD, & GBPU	0.00	1298000.00
- NFPL Bamboo Shoot Processing Unit(1800TPA) by Nagaland Foods (P) Ltd, Nagaland.	0.00	9474000.00
- VEDHA Establishing demonstrative entt. In Mechanised Processing of Bamboo Fur. & Prod. Application .	0.00	1342000.00
- IISC Two gasifire units at mountain division of the Indian Army.	0.00	44500.00
- Pilot Scale study on activated carbon by M/s Nagalaxmi Industries.	0.00	183000.00

(Amount-Rs.)

Particulars	Current Year	Previous Year
- Testing charges of bamboo products.	89467.00	311290.00
- IHBT-Produce 60000 nos. of plant material of phyllostachys pubescens of good quality & provenance.	328000.00	109000.00
- Gel coating / Resin Spraying Machine By RV-TIFAC (CDC), Bangalore.	0.00	474901.00
- Support for Coordinated trials for managed bamboo propagation by G.B Pant university.	554490.00	545600.00
- 100KWE Demonstrative Gasifire unit at Alonga, Indian Army By IISC- Bangalore.	2770000.00	0.00
- High – End structure at the garden of five senses, New Delhi.	78497.00	381442.00
- Development of Bamboo Fiber Production through non-destructive Route by IIT-Delhi.	40000.00	100000.00
- Training / Demonstration program for cluster / Community level processing of Bamboo Shoot in different States by ERG, Bangalore .	616546.00	0.00
- Bamboo Nursery for mass multifications & Consurvetation of bamboo balcooa by AAI, Albd.	737200.00	737200.00
- Activated carbon from bamboo charcoal through ACIPL by unit of APDC.	0.00	90000.00
- GT,D: Up gradation of workshop with machine, tools and Instruments with cutter etc.	1180000.00	2220000.00
- SMW,B: Mfg. unit of bamboo based composites for Interior as Railway, Buses & Transport Industry.	5000000.00	7500000.00
- SPF: Estb. Of bamboo silver & sticks making units at Bongaigaon.	0.00	3500000.00
- WMIPL: Estb. Of prototyping , testing & commercialization of bamboo processing Machine.	9900000.00	5100000.00
- Ajay: IIT,G, Devpt. & Promotion Tech. Training Programmed in M.P.	0.00	40593.00
- APIL:Estb. Of Mfg. unit for T & P bamboo composites & products in Namsai Unit	1522800.00	1410000.00
- BBCCPL: Mking Handicraft & Furniture product in Silchar	850000.00	850000.00
- BCP: Bamboo plantation in tea sector.	160000.00	400000.00
- BRIAS: Study on bamboo fiber through pulping route	0.00	302461.00

(Amount-Rs.)

Particulars	Current Year	Previous Year
- CII,G: Bamboo Encompassing & Regulatory frame workshop/study in N.E.	57500.00	57500.00
- CIPET: Bamboo fiber reinforced thermoplastics through Cipet, Chennai	0.00	2387650.00
- CPCL: Demonstration battery of 5 kline in Manipur, Nagaland etc. sector.	696210.00	311876.00
- DC,Jorhat: Commercial Cultivation of bamboo in 4 road block at Jorhat.	0.00	162000.00
- DC,Pas.: Development & demonstration of Eco-Friendly houses at Ruksin Block.	5033246.00	3498309.00
- Dc, Pasighat: Rehabilitation of child hospital & maternity centre building	842210.00	1702229.00
- DD,Sfd,: Development of nursery of vegetated propagation model in Sindhudurg	313000.00	300000.00
- Demonstrative housing for troops at Portblair & other area.	73292.00	3087863.00
- Dfo,N: Nodel bamboo vegetative propagation centre in Namsai.	0.00	600000.00
- Dm,Banka : Community based in tensive cultivation bamboo.	0.00	288000.00
- Dm,K.: Dempnstrative structure in Khammam as 2 community hall and 1 hall.	589476.00	157592.00
- Fda: 1 km stretch bamboo based of costal shelterbelt plantation in thanjavour.	32100.00	600000.00
- Fda,Raj.: Mfg./unit of thin silvering machine & mat making machine unit at Tripura.	0.00	110000.00
- Fda, Thj.: Bamboo extension & enterprises beeds programme in collobration wih FDA,Thanjavur	477000.00	200000.00
- Fri,Dehr.: Development & Improved Chemical formulation & Equipment for efficient treatment of bamboo by FRI,Dehradun.	0.00	343000.00
- Gian,g: Development of bamboo lathe machine in north east area through GIAN,Guwahati.	20000.00	42000.00
- Hpc,n: 1mwe thermal gasifier system with Nagoan paper Mills	0.00	8750000.00
- Hpc,C: 1mwe thermal power gasifier system with Chachar paper mills Ltd.	0.00	8750000.00
- Hq. Army, bamboo plantation throny perimeter fencing in various army sectors in India.	5453886.00	247150.00
- lisc: 90kwe Demonstration,processin & treatment facilities of Gassifire Equipment for Dimapur Through –NBDA,Kohima.	0.00	1850000.00

(Amount-Rs.)

Particulars	Current Year	Previous Year
- Iisc: Establishment of 25kwe Gasifire unit at Forest Complex Basistha (Assam)	0.00	1036000.00
- Iisc: Implementation charges for Gassifer Units at Hpc, Nagon-Chachar Mills Ltd.	0.00	250000.00
- Iisc: Storability of bamboo Through Process to enhance Torrifaction	300000.00	1600000.00
- lit, G: Explore Use Bamboo Flooring Tiles Product-and its products day to day used by lit, Guwahati	102540.00	150000.00
- I L&FS: Study on Development & Activity for Bamboo Sector in Tripura	450000.00	500000.00
- Ipiriti: Establishment of Bamboo Mat Unit at Trichy (T.M)	1395000.00	1000000.00
- IWST: Standering Package of Practices Cultivation as Guadha bamboo plant by IWST,Bangalore	219600.00	165000.00
- Jsdc: Plantation of Bamboo Shoot in Ranchi (Jharkhand)	0.00	301480.00
- Kbcdc: Functional Test & Market Assesment of bamboo based mango pack.case,by KBCDC, Sindhudurg	114000.00	150000.00
- Kitply: Test of primary process machine for Bamboo Composite product.units at Marghirita (Gwh)	1102505.00	1428000.00
- Kpj: Consultant for Kosons Project unit at Amigaon Guwahati	50000.00	131001.00
- Multilocational Locational Trial of Bamboo in 10 Sector through GB Pant University	3251774.00	3695273.00
- Nbda: Bamboo charcoal & Activated Carbon Unit -Nagala	1150000.00	470000.00
- Nbda, K-Cfc: Establishment of demonstrative bamboo treatment machine Facilities of round bamboo unit at NBDA & KONBAC.	2500000.00	571000.00
- Nle: Development of prototype & testing of bamboo Dust palletize by NLE,Kolkatta , supply to S.P. Fabricator & Deva Bamboo Allied Ind.	351045.00	70000.00
- Nsm, L :Development & supply of bamboo Sqaure Stick making Machine to Deva Bamboo.	0.00	125000.00
- Pmctw: Quality plant Material Establishment of demonstrative plantation with PMCTW	195000.00	215000.00
- PCTW: Demonstration structure using bamboo products in 4 nodel centre at Thanjvour	0.00	388349.00

(Amount-Rs.)

Particulars	Current Year	Previous Year
- Rehabilitation of Earthquake Vicitims at J&K bamboo structure	1641398.00	4889401.00
- Sdc: Supply of bamboo mat Glass Fiber Roofing Sheet, Tripura	0.00	1689832.00
- Sdc: Development & Standard technology of bamboo mat Glass Fiber Composite (Honorarium)	0.00	10000.00
- Sdcpl: Ready Reckoner 2005 structural bamboo Application .	0.00	104000.00
- Se, H: Development of prototype & Testing of bamboo Dust machine with SE,Hyd.	0.00	225000.00
- Sfdk: Supply of 25000qty.Dendrocoloum Stock nursery Vegetative Propogation Model	0.00	335943.00
- Siir: Utilizing of Bamboo fibre for exploring the facility of Non Woven Application	125000.00	275000.00
- Spsetia: Study on Techno Economic Feasibility Report on (B-Fibre/Filament)	0.00	165300.00
- Teri: Bamboo Plantation Through I.S.P In Rajasthan	668160.00	816200.00
- Tsunami Relief Programme -Setup Sample House for Tsunami victims in costal area – Chennai	1292814.00	226242.00
- Uravu: Life of Bamboo structural Application as farm of banana Props.	777400.00	200000.00
- Vbpl: Bamboo Blind Manufacturing Unit of Power Looms project (Grant)	800000.00	875000.00
- Wm: Design & Development of Prototype as secondary processing Machine to Embee Forest	559000.00	484317.00
- Abc,Kol. Estb. of Juit fiber Copt. & roofing sheet unit at west Bengal	12500000.00	0.00
- Apfrda-(Sfri) 10ha Demonstrative Plantation of Moso bamboo Plantation in A.P.	275780.00	0.00
- APO-Ndls Bamboo fencing Plantation with 56 APO Anand Parbat, New Delhi	330932.00	0.00
- Army Eco-task force project- bamboo Plantation 5000 plant at mow and various place in India	488782.00	0.00
- Bbc, Bhopal:- Estb. of Mfg. unit of Round/Split bamboo unit at Bhopal	2312916.00	0.00
- Bckv-Kalyani:- Seting of Vegetative Centre at Kalyani west Benagal	600000.00	0.00
- Benu,Tripura :- Estb. for demonstration of Round bamboo treatment plant unit	369000.00	0.00

(Amount-Rs.)

Particulars	Current Year	Previous Year
- Btc,Kokrajhar : Demonstration of 16 pre-fab structure houses for rural cluster area	7231558.00	0.00
- Btc-Kokrajhar :- Estb. of Vegetative Propagation Nursery centre with Kokrajhar	600000.00	0.00
- Cihc s,Ap:- 25 Kwe Gassifire unit at West Kamang Distt. A.P.	865000.00	0.00
- Cii :- Country – wide on Access & R. Framework and Industrialization products study.	1200000.00	0.00
- Ctp – Enlistment of Engg. Bamboo Structure under DGS&D With CTP, Bangalore	320000.00	0.00
- Dbs:G Estb. of Bamboo Stick & charcoal unit at Bisram Ganj – Tripura	830000.00	0.00
- Dc,L:- Prefab structure at DSSA	4582528.00	0.00
- Dc,Lohit: Est. of 35kwe Gassifier unit at Tiny Tot, Lohit	865000.00	0.00
- Dc,Manipur : Prefab structure for public utility at Tamang Dc,Office	2312279.00	0.00
- Development demonstration of prefab modular toilet material by CTP, Bangalore	1059999.00	0.00
- DF,B:- 25kwe Gassifire system with OVN bio energy estb. at DF,Samastipur(Bihar)	989058.00	0.00
- Dfo,Assam:- est. of vegetative propagation centre nurser at Namsai	800000.00	0.00
- Dfo,H.D.,Btc,Kokrajhar : Bamboo plantation as 20ha at karigaon	350000.00	0.00
- Ewpl : Est. of bamboo treatment unit for round/split bamboo unit at Nagpur	1353020.00	0.00
- Gon:- Est. of 25 kwe Gassifire unit at Village Razephema, Namsai	1854058.00	0.00
- Gt:- Import of Machine for stick,silver and Mat for secondary market development.	478125.00	0.00
- Hpc:- Setting of tissue culture Lab facilities centre at Jaggi Road.	7500000.00	0.00
- Ihbt: Annotated Bibliography, Mapping, Seedling Raising with IHBT	1049400.00	0.00
- Ihbt – Bamboo Plantation & Bio Fencing with army with firozpur cant	674800.00	0.00
- Ihbt- setting up of vegetative propagation center at Palampur	304800.00	0.00
- Ihbt- Study on Microbial Intervention for Improving bamboo productivity.	791600.00	0.00
- IISC:- 35 kwe bamboo Biomass Gassifire unit with Tambac,Manipur	1036000.00	0.00

(Amount-Rs.)

Particulars	Current Year	Previous Year
- IISC; Development of one time multi blade cutter for bamboo sector unit	798640.00	0.00
- ILFS; 35 kwe Gassifire system for Tripura State	3980000.00	0.00
- ILFS: Est. of Vegetative propagation center at Agartala & H/F, Hatipura	912400.00	0.00
- ILFS; Bamboo Plantation at kanakaich, Tripura state.	691400.00	0.00
- Ilink: Making of Cd on Bamboo Propagation & Cultivation	221300.00	0.00
- IPIRTI; Est. of bamboo mat unit by SKMCCCL, Bangalore	1000000.00	0.00
- IWST: 25ha bamboo plantation, Meet with KMFT & IWST	1326000.00	0.00
- IWST: Commercialisation for bamboo based thermoplastics unit with IWST	1960000.00	0.00
- IWST: Setting up of Vegetative Propagation Centre at Bangalore	480000.00	0.00
- Kbcda: Est. of Bamboo machine Treatment facilities round bamboo	813040.00	0.00
- kfri: Post harvest protection of Insect Borers by KFRI, Peechi	306544.00	0.00
- Kfri: Study Revision of Standard for bamboo Products by KFRI	60000.00	0.00
- KSBC: Est. of Bamboo Mechanization Mat unit at Kerla	411400.00	0.00
- Mbda: Mfg. unit of vaccume processing by MBDA, Mizoram	385000.00	0.00
- Mbpl – Establishment of 250 kg briquetting & Gassifier Eqpt. For MBDA, Mizoram	200000.00	0.00
- Mbpl, Miz: Establishment of bamboo stick making unit at Mizoram	2000000.00	0.00
- Mbppl: Mfg. Unit for Round, Squade Bamboo bamboo stick & charcoal unit	1875690.00	0.00
- Mcd, Delhi: Bamboo Shelter for M.C. D. Primary School	371579.00	0.00
- Mku: Pulverizing & Briquetting of bamboo Dust unit for Maa Kamakhya Udyog	1400528.00	0.00
- Mjsi: Mfg. of bamboo stick for Incense Stick making unit Aizwal	598520.00	0.00
- Mppl: Manufacturing Unit bamboo flooring & panel board by Massing Product, Gwh.	25000000.00	0.00

(Amount-Rs.)

Particulars	Current Year	Previous Year
- Nbda: Establishment of Battery Charcoal kilns in 9 briquetting machine by NBDA,Kohima	768000.00	0.00
- Pbpl, Lohit :- Est. of Mfg. unit of bamboo Ply unit at Alubari (Lohit)	3500000.00	0.00
- PCCI,N:- Est. of bamboo charcoal & briquetting machine at Najibabad	900000.00	0.00
- Prefabricated structure for High altitude area in Leh & Kargil sector	37568548.00	0.00
- Prefab structure for demonstration in Srilanka & Indonesia with INBAR – China	147815.00	0.00
- Sapl, Tinsukia :- Est. of bamboo stick/Round & tooth pick by Swaranga Agro.	3500000.00	0.00
- Sbi – Est. of bamboo mat Industries through suta bamboo Ind.,Namsai	533550.00	0.00
- Sfri- Bamboo plantation at Arundinaria & Maling (Itanagar)	523020.00	0.00
- Sgi , Kankawali :- Est. of Acrylic bamboo Mat sheet unit at Kudal	5400000.00	0.00
- SIIR:- Estb. of two pilot plant for bamboo based hygienic products for KONBAC & NBDA	3430000.00	0.00
- SN,Kolhapur :- Vegetative propagation nursery centre for D-Stocksil at Kolhapur	1008000.00	0.00
- Symbpl:- Est. of bamboo mat corrugated sheet unit at Mahuda	5287000.00	0.00
- Sxd/Rgf:- Market Linkages skill development of bamboo mat weaving training at Bhopal	103700.00	0.00
- Tau:- Evaluating Nutraceutical Composition, Madurai R& D Centre.	302000.00	0.00
- Vkrss: Prosthetic application for development of bamboo furniture & substitute at Allahabad	172029.00	0.00
- Vp,-: Demonstration of structure application for HP Tourism at Palampur	756400.00	0.00
- Zbi: Est. of Flattened bamboo board unit at Namsai by Zignoo bamboo Ind.	1394000.00	0.00
- Zmppl :- Est. of Mfg. unit of Bamboo Ply Industries by Zonam mat ply at Mizoram	5408000.00	0.00
- Zocbpl:- Estb. of sticks making unit by Zoo - Craft bamboo pvt. Ltd. at Bairabi	1929250.00	0.00
Total	255721339.00	118062778.00

**National Mission on Bamboo Application
Technology Information Forecasting & Assessment Council
Receipts & Payments for the Period the Year Ended 31.3.2007**

Receipts

Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
I) Opening Balances		
a) Cash in hand	9066.00	00.00
b) Bank Balances		
i) In current accounts	00.00	00.00
ii) In Deposit accounts	40000000.00	00.00
iii) Savings accounts	33461347.60	00.00
II) Grants Received		
a) From Government of India- Plan (NMBA)	300000000.00	171667000.00
b) From Government-Non Plan	00.00	00.00
c) From State Government	00.00	00.00
d) From Government of India- TIFAC	00.00	36765545.60
III) Income From Investments		
a) Earmarked/Endow. Funds	00.00	00.00
b) Own fund	00.00	00.00
IV) Interest Received		
a) On Bank Deposits (NMBA - Rs.2174930.70 Less: Receivable on deposit - Rs. 263040.50	2437971.20	226848.00
b) Loans Advances etc. (Staff advances)	00.00	00.00
c) Interest earned from S/B A/C (schedule-17)	639643.00	1327050.00
V) Other Income (specify) Schedule – 18)		
- Refund from ARCI, Hyderabad project (S-18)	00.00	1200000.00

Receipts

Particulars	Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
- Refund from M/s Mittra & Associates, Kolkatta	00.00	11150.00
- Refund from – SE, Hyderabad	225000.00	00.00
- Refund from - CIPET, Chennai	280000.00	00.00
- Income from Sale of NMBA Publication (S- 16)	587602.00	472014.00
- Sale of Plantations	270000.00	00.00
- Charges for Computer Provided at Residence	6000.00	3600.00
- Charges for Misc. Deduction from Salary	00.00	5978.00
- Other Receipts (Licence Fee)	6370.00	6860.00
- Other Receipts – (Sale of prefab shelters)	259177.00	83712.00
- Security Deposits – NG’s Designs Pvt. Ltd.	00.00	15000.00
VI) Amount Borrowed	00.00	00.00
VII) Other Receipts (Give Details)		
Contribution / subsidies for demonstration of Structure	8842734.00	00.00
Tour Advance - Sh. V.S. Oberoi	24426.00	00.00
VIII) Project Refund :-		
NFPL- Refund of 1800 tPA Bamboo Shoot Project	250000.00	00.00
SPF- Refund as Silver Making Unit at Bongaigaon	350000.00	00.00
Deva – Refund as Silver & Furniture Unit at Imphal	68750.00	00.00
TOTAL	387718086.80	211784757.60

Payments For Expenses

Particulars		Current Year Amount (Rs.)	Previous Year (Amount (Rs.))
1) Expenses			
a) Establishment Expenses			
(Corresponding to Schedule 20)	Rs.5523946.00		
Add : Opening Exp. Payable	Rs. 364008.00		
Less Expenses Payable	Rs. 450022.00	5437932.00	4424200.00
b) Administrative Expenses			
(Corresponding to Schedule – 21)	Rs.19157582.80		
Add:Opening Exp.Payable	Rs. 71748.00		
Add : Loss on sale of Fixed Assets	Rs. 0.00		
Less : Expenses Payables	Rs. 10000.00		
Less : Loss on sale of Fixed Assets	Rs. 0.00		
(Previous year figure does not include obsolescence expenses in it.)		19219330.80	12013743.00
c) Expenditure on Grants, Subsidies etc. (As per Schedule 22)		255721339.00	118062778.00
2) Addition in fixed Assets			
Office Equipment		26590.00	93721.00
Furniture		2000.00	89445.00
Library Book		25748.00	38485.00
Computers and Peripherals		174724.00	870800.00
Interior Work of NMBA/TIFAC Building(2nd')		768767.00	2550799.00

Payments For Expenses

Particulars	Current Year Amount (Rs.)	Previous Year Amount (Rs.)
3) Other Payments (Specify)		
- Security Deposits: Mrs. Romi Sukhija	4000.00	15000.00
- Security Deposit : Sh. Harish C. Gaur	2000.00	17000.00
- Security Deposit : Sh. Lekha Ram	00.00	15000.00
- Security Deposit : MTNL	00.00	500.00
- Tour Advance: Sh. Arvind Malhotra	105208.00	98447.00
- Tour Advance: Sh. V.S. Oberoi	00.00	24426.00
- Tour Advance : Sh. Ajay Kumar	5000.00	00.00
- Tour Advance : Sh. Sudhir Pandey	8000.00	00.00
- Audit Fee payable for 2005-06	20000.00	00.00
4) Closing Balance		
Cash in Hand	17711.00	9066.00
Cash at Bank	106179737.00	33461347.60
Short Term Deposits	00.00	40000000.00
Total	387718086.80	211784757.60

for **Rakesh Raj & Associates**

Chartered Accountants

-Sd-
Ashwani Taneja
(Partner)

-Sd-
Accounts Officer
NMBA

-Sd-
Registrar
NMBA

-Sd-
Mission Director
NMBA

Date : 16th August, 2007

Place : New Delhi



**TECHNOLOGY INFORMATION,
FORECASTING & ASSESSMENT COUNCIL (TIFAC)**

(Department of Science and Technology)
A-Wing Vishwakarma Bhawan,
Shaheed Jeet Singh Marg,
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