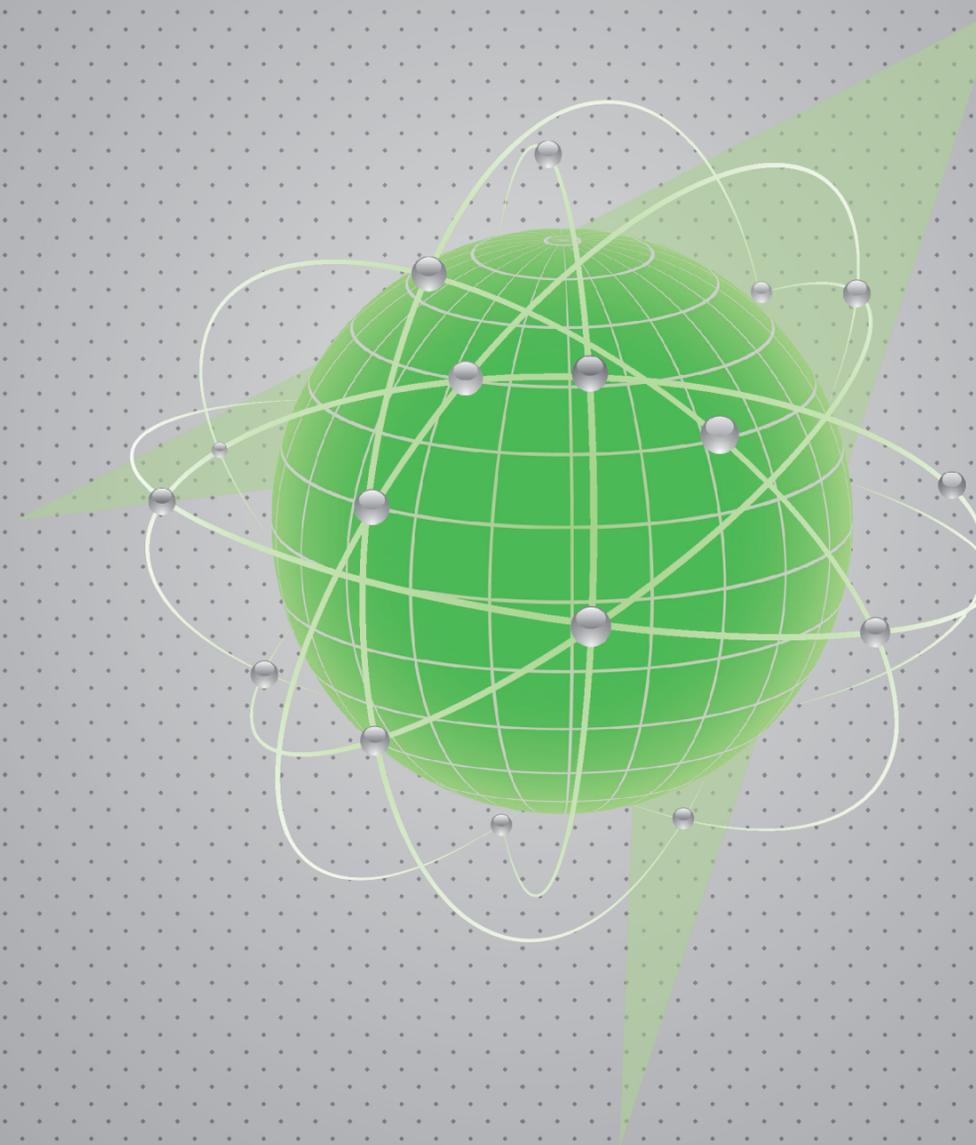




TIFAC – Annual Report – 2012-2013



ANNUAL REPORT 2012-2013



TECHNOLOGY INFORMATION, FORECASTING & ASSESSMENT COUNCIL (TIFAC)
(An Autonomous Body of Department of Science & Technology, Govt. of India)
A-Wing, Vishwakarma Bhavan, Shaheed Jeet Singh Marg, New Delhi-110016
www.tifac.org.in



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वार्षिक रिपोर्ट-Annual Report
2012-2013

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The Governing Council (2012-2013)

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Dr. Anil Kakodkar

Department of Atomic Energy – Homi Bhabha Chair Professor

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Department of Science and Technology

Director General

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Member Secretary,

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Dr. Deepak Puri

Chairman & Managing Director, Moser Baer India Ltd,

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Defence Research & Development Organization

Professor Samir Barua

Director, Indian Institute of Management, Ahmedabad

Secretary,

Ministry of Finance, Dept. of Economic Affairs,

Member Secretary

Executive Director, TIFAC



EXECUTIVE SUMMARY

TIFAC, an autonomous society set up by the Department of Science & Technology (DST) in 1988, is mandated to assess the state-of-the-art technology and set directions for future technological development in India in important socio-economic sectors. The year 2013 marks 25 years of its presence, during which the institution, leveraging its networking capabilities, brought out the Technology Vision 2020 documents and implemented many useful technology missions and technology development support activities.

During the year, steps were taken to realign TIFAC activities with its core mandate. Accordingly, a major review exercise of the existing programmes was carried out. The review included the MSME Cluster Programme, Technology Refinement and Marketing Assistance Programme (TREMAM), TIFAC-IIASA Programme, Bioprocess and Bioproducts, Mission REACH and Synergizing S&T with Judicial Processes. Collaborative Automotive Research (CAR) was also reformulated. The TIFAC Governing Council also deliberated on its future trajectory, wherein a need to undertake adequate number of analytical studies was emphasized. This would allow TIFAC to strengthen its role as a policy body in the Science and Technology domain for the nation. It was also decided to create focused verticals in few sectors crucial to the country, including climate change and security related technologies. Highlights of some of the TIFAC programmes are reflected below.

Technology Vision 2035 exercise is a broad based inclusive and consultative effort to create a technology vision for the people of India. This document is expected to be a guiding spirit for the national S&T pursuits and investments in the decades ahead. As part of the process, brainstorming sessions were continued for full geographical coverage of the country by organizing two more interactions in north-east and central India. In order to capture aspirations and imaginations of the young mind, interactions with college students belonging to different disciplines were conducted. An online portal was developed to obtain inputs from wider cross section of stakeholders. The activities for developing roadmaps for different thematic technology areas picked up faster pace.

In the automotive sector, in-house technology foresight studies were carried out on 'Lightweight Materials and Design for Vehicles', 'Energy Storage for Electric and Hybrid Electric Vehicles', 'Impacts of Electric Mobility' and 'Renewable Energy for Electric Mobility'. Another technology foresight study on 'Solar Photovoltaic' was initiated during the year. To continue our linkages with international organizations, a three-day 'India - U.K. Bilateral Technology Foresight' workshop was organized in March 2013 in New Delhi in association with DST, Govt. of India and U.K Foresight Group & British High Commission. The theme of the workshop was 'Perspectives, Convergence & Future Collaborations'. Various aspects of technology foresight exercise - its origins, methodologies, practices, impacts, practical tools for futures & road mapping, analysis of uncertainties etc., were deliberated and shared.

TIFAC-SIDBI Revolving Fund for Technology Innovation Programme (SRIJAN) is a joint activity with Small Industries Development Bank of India (SIDBI) to support innovative technologies



particularly from MSMEs for scaling up / commercialization to assess and establish the techno-economic viability of commercially unproven technologies. Some of the new projects undertaken under the programme during the year include: (1) Pouchable grade battery separator, (2) Multi leaf and Asymmetric Collimator for Sidharth Linear Accelerator (LINAC), (3) Inertial Navigation Sensors and Autopilot (4) Energy Efficient Cooling & Heating System (HVAC & R Systems) and (5) Hybrid Idler.

The hallmark of the MSME Cluster programme has been promoting and leveraging industry-academia interactions, and providing R&D support to MSME clusters. Subsequent to a review of the programme, a new set of guidelines were finalized towards taking up capacity building in different clusters. Nine Technology Gap Studies on different clusters were completed during the period. Three other studies were under finalization and validation workshops were organized for five other clusters. Upgradation of the R&D and innovation centers were continued.

Under the Bio-products & Bio-processes programme, process technologies for lignocellulosic biomass to ethanol at laboratory scale were developed successfully at the Centre for Biofuels, NIIST, Thiruvananthapuram. In another project, standardization of Aloe Vera extract was completed and its application for diabetes control is awaiting human trials.

Patent Facilitating Centre (PFC) continued to create awareness about intellectual property rights in the country and support educational institutions in protecting their inventive works. A total of 31 new inventions were recommended for patent filing. 95 women scientists were selected to undergo IPR training under the Women Scientists Scheme. 85 provisional applications were filed for INSPIRE-2011 projects.

Under the 'India-IIASA Programme' with International Institute for Applied Systems Analysis (IIASA), Austria, a study on Analyzing Forest Carbon Accounts for Sustainable Policy Options, with Indian Institute of Forest Management (IIFM), Bhopal, was taken up. The aim is to analyze the forestry and related land use policies in terms of their economic and social consequences that have bearing on forestry sector with reference to climate change.

With a variety of technology foresight and other studies and the Technology Vision 2035 exercise, TIFAC is poised to bring about a panoramic technology perspective for the country. This expertise of carrying out studies and leveraging an ever expanding network of experts, TIFAC is looking forward to evolve as a nodal national centre in technology foresight and technology assessment in the context of planned national development and providing technology information towards defining requirements and prioritization of areas for research and technology development.

Prof. Prabhat Ranjan
Executive Director

1 Technology Foresight Activities

1.1 Technology Vision 2035

Technology Vision 2035 is a nationwide mega-exercise to foresee the way India would evolve over the next couple of decades. Anchored in the aspirations of people, this is an exercise to plot the technology trajectories that will consolidate us as a developed nation and also as a technology leader. It is basically an exercise for envisioning technologies that would interest the country based on our priorities, demands, constraints, strengths, opportunities and above all, our aspirations.

This exercise was started in January 2011 with large-scale interactions across the length and breadth of the country with stakeholders, to decide the approach and scope. The deliberations among other things identified the following 12 thematic sectors:-

1. Education
2. Energy
3. Environment
4. Food and Agriculture
5. Water
6. Medical Science & Healthcare
7. Habitat
8. Infrastructure
9. Transportation
10. Materials

11. Manufacturing

12. Information & Communication Technology (ICT)

Roadmap for each sector is being prepared under the supervision of an Advisory Committee comprising of domain experts. The whole visioning exercise is guided by a National Apex Committee chaired by Dr. Anil Kakodkar, Chairman TIFAC. The exercise will deliver the Technology Vision 2035 document besides the sectoral roadmaps.

In order to broad-base the exercise, a number of regional meetings were organized in the preceding year. To expand this base further, two more meetings were conducted during 2012-13 to cover the north-east and the central India.



Brainstorming meeting for the north-eastern region was organized in IIT Guwahati on 19th June 2012. Around 45 experts from premier institutions in Guwahati, Agartala, Shillong,



Dibrugarh, Jorhat among others, participated in the day-long meeting. The discussions were centered on the challenges and issues of the region- covering Food & Agriculture, Water, ICT, Transportation, Infrastructure, Energy, Environment, Healthcare and Education. The issues and ideas emerged out of this meeting were documented and shared with the Advisory Committees.



Brainstorming meeting for the central India was held on 13th July 2012 in Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bilai. More than 50 experts hailing from institutions in Bhopal, Raipur, Jabalpur, Ranchi, Nagpur and around participated in the deliberations covering the areas identified for sectoral roadmaps. A separate session was conducted with the students of the University.

With a view to further enlarge the participation in this exercise, a questionnaire for each sector was prepared and circulated to about 5000 experts. Each questionnaire had two sections; Part A- covering socio-economic aspects and Part B- covering entire gamut of technical issues related to the sector. Part A was open to all as it tried to capture the aspirations of Indians by 2035. As a special effort, visitors to the Indian Science Congress held in Kolkata

during January 2013 were encouraged to participate in the visioning exercise by filling up Part A of the questionnaire. Over 600 responses were collected during the Congress. Ideas were collated and shared with the respective Advisory Committees.

Aspirations and imaginations of the young have been given special thrust in this exercise, as it is felt that these youngsters would be at the center-stage of development in 2035. Towards this, interactions with college students cutting across all disciplines were organized. The idea was to fire their imagination about India of 2035 and generate ideas about the future and identify challenges ahead. This would help to set the agenda for the S&T community in the run up to 2035. With an eye on freshness in imagination and thinking, two more meetings with students were conducted during the year besides resorting to other modes of engagement.

Students from selected colleges in Delhi with diverse disciplinary backgrounds participated in a brainstorming meeting organized on 16th April 2012 in TIFAC. A similar day-long session was held with over 50 students drawn from IITs across India on 16th September 2012. Many young students from colleges and IITs participated in a Delphi exercise on technologies impacting future education conducted during the year. Likewise, students from IIT-Bombay came together to generate inputs for the Energy Technologies sector, creating a dedicated web-site and also making use of the social-media.

In addition to these channels for generating inputs for the exercise, an online portal was created (<http://www.indiatechvision2035.in>) to collect the innovative ideas/ concepts/ technologies from wider cross-section of stakeholders not just from India but also abroad.

National Apex Committee meetings

Two National Apex Committee meetings were held during the year- on 11th April 2012 and 13th December 2012 to provide direction, suggestions and guidance to the exercise and also review the progress.

Advisory Committee meetings

Advisory Committees for the 12 sectors had their meetings, to finalize the structure and contents of the roadmap besides deciding on chapters in each roadmap and their authors. During the meetings, the questionnaires were finalized and their potential respondents were identified. Drafts of the chapters were reviewed during the meetings. In all, 33 meetings of Advisory Committees were organized during the year.

1.2 Technology Foresight for Automotive Research (TFAR)

TIFAC has been coordinating the Collaborative Automotive R&D (CAR) programme since 2003-04 (kindly see section 3.1 for details). In December 2012, a review of TIFAC activity in the automotive sector was carried out. The programme was reformulated as Technology Foresight for Automotive Research (TFAR) with focus on technology foresight, nucleation of technology development efforts, and creating network of automotive researchers. The committee also suggested that TIFAC should support the activities under National Mission for Electric Mobility. An Apex Committee has been constituted to steer the programme.

National Mission for Electric Mobility (NMEM)

Based on initial draft Technology Roadmap prepared by TIFAC and deliberations in the

NMEM Working Group on R&D, a draft R&D Policy Document for NMEM was prepared. This was further discussed in a Core-Group constituted by NMEM. Subsequently, TIFAC also took up the responsibility of consulting the R&D/ academia on the R&D Policy Document.

In-house technology foresight studies were carried out in the following areas:

- Lightweight Materials and Design for Vehicles
- Energy Storage for Electric and Hybrid Electric Vehicles
- Impacts of Electric Mobility
- Renewable Energy for Electric Mobility

These studies have resulted into 10 publications in national and international journals.

1.3 Other Studies & Reports

Ongoing Studies

Relationship between GDP growth and technology causes in different districts of select Indian states – Andhra Pradesh

Five districts in Andhra Pradesh were identified for the study. Various sectors, within agriculture, industry and services, contributing to Gross Domestic Product (GDP) were selected to study the effect of technology on GDP. Study methodology was evolved through interaction meetings with various experts. Steering Review & Monitoring Committee for the study has selected Institute of Public Enterprise, Hyderabad for executing the study.



Technology Foresight Study on Solar Photo-Voltaic (PV)

The broad objective of the study would be to visualize likely technologies to be in place in future, to prioritize maximum value addition in supply chain, to formulate roadmap for R&D, technology development, demonstration and commercialization with the view to facilitate formulating pro-active policy by the Government. In this regard, a brainstorming meeting was held at TIFAC in July, 2012 under the Chairmanship of Dr. Anil Kakodkar, Chairman - Solar Energy Research Advisory Council, Jawaharlal Nehru National Solar Mission, Govt. Of India and also Chairman-TIFAC. The meeting was attended by stakeholders from industry, academia, R&D and MNRE. A detailed scope and terms of reference for the study was drawn during the deliberation and discussion.

Technology Foresight Study on Biomass Utilization

A detailed technology foresight study titled **Biomass Utilization - A Technology Foresight** was proposed for (i) identification of key technological challenges towards utilization of biomass (ii) assessment of proliferation of technologies (iii) addressing technology challenges by R&D programmes, national innovation funds and special technology parks or innovation clusters (iv) assessment of enablers in commercial value-chain (taxes/subsidies or private-public partnerships etc.) (v) development of biotechnology-enabled enterprises. Biofuels would be the central theme of the study and other allied areas and by-products (biopolymers/materials etc.) could be looked into for their value-addition potential and improving the economics of bio-fuels.

Pesticide Encyclopaedia

Implementing Agency: Janana Prabodhini , Pune with Dr Vasant Gowariker the Chief Editor.

It is being developed as a compendium of pesticides as chemicals and some relevant supplementary information.

Final review of the project document draft was undertaken. Accordingly, the document is being finalised

Studies on Determinants and Impact of FDI in R&D Sector

Three studies were commissioned to develop a detailed database on FDI in R&D in India. The studies facilitate bringing out dynamics and the impacts of foreign direct investment (FDI) in the Indian R&D sector. Final Draft reports of the following three studies were reviewed by the Study Steering Group and are being finalised.

(i) Centre for Global or local for Global? An examination of FDI in R&D Centres of IT MNEs in India

Principal investigator: Dr. V Illavaresan, IIT Delhi, New Delhi

The study is to assess the nature and impact of FDI in R&D in the local R& D system

(ii) Impact of FDI in R&D on Indian Production and R&D Systems

Principal investigator: Dr. M Natesa, NISTADS, New Delhi

A database of the major players in this field has been developed.

(iii) Determinants and Impact of FDI in R&D in Creation and Diffusion of Knowledge in Automobile Industry

Principal investigator: Dr. Satyaki Roy
ISID, New Delhi

Focus was database development of FDI investment and manpower deployment of foreign investors in R&D and their impacts in the Indian automobile sector.

1.4 India – U.K. Bilateral Technology Foresight Workshop

As a part of Silver Jubilee Celebrations, TIFAC organized a 3-Day “India – U.K. Bilateral Technology Foresight Workshop” with theme ‘Perspectives, Convergence & Future Collaborations’ during 19-21 March 2013 at India International Centre (IIC), New Delhi in association with DST, Govt. of India and U.K Foresight Group & British High Commission (Delhi & Mumbai).

During this 1st of its kind Technology Foresight Workshop organized by TIFAC with an international body on technology foresight like U.K. Foresight Programme, 20 scientists from India & about 15 experts from U.K Foresight Group & British High Commission (Delhi & Mumbai) participated. In Total about 100 people participated.

Various issues were addressed related to technology foresight exercise to share and exchange experiences related to technology foresight exercise like – origins, methodologies, practices, impact variations, exchange of experiences, practical tools for futures & road mapping, analysis of uncertainties etc.

Indian Perspectives of TF & S&T Planning case

studies were presented in the areas of – Space technologies, Nuclear energy, Leather Mission, TIFAC Technology Vision 2020, Technology Vision 2035 (sectoral views on Manufacturing, Energy, Education and Climate Change) and Uncertainties

Case studies from India & UK were presented in the Areas of Food & Farming & Humanitarian Disasters.

UK Foresight Group made presentations on - Technology Foresight: UK Perspective, The art of horizon scanning, managing the data for intrasights, Technology Innovation Futures, Analysis of Uncertainties in TF exercises.

The following dignitaries were present & addressed the gathering:

1. Dr. Anil Kakodkar, DAE – Homi Bhabha Chair Professor, & Chairman TIFAC;
2. Sir James Bevan, British High Commissioner, New Delhi
3. Dr.T.Ramasami, Secretary, Department of Science & Technology, New Delhi &
5. Prof. Sandy Thomas, Head UK Foresight Programme, London, UK
6. Dr. Arun Maira, Member Planning Commission, New Delhi

This was also presented and discussed during the 45th TIFAC Council Meeting held on 18 June, 2013 at TIFAC, New Delhi.

Action points emerged to initiate:

This workshop laid foundation to the discussions, interactions and development of general principles of collaborations between TIFAC UK Foresight Group for – engaging



scientists, sharing of experiences, synthesizing of methodologies & best practices to initiate joint collaborative TF studies in identified programmes/areas Indo-UK S&T Collaboration Programme.

It was suggested that, as a governmental principle at a broader level, a 3-member Core Group from each side may be constituted to look into the already set 200mn (£) GBP Indo-UK S&T Intervention Programme areas to chalk-out a collaborative programme/areas with intense interactions towards converging priorities to use TF as a building tool for National planning to help in evidence based decision making process. The Core Group also may select a few common interest areas to start a Technology Foresight Joint Study. From India the group may consist of 1 senior official each from TIFAC, DST & Planning

Commission. Similarly, UK Foresight Group may also form a group. Apart from the above general principle, the following activities could also be discussed mutually to implement the TIFAC-UK Foresight Group Joint Programme (TUF-JGP):

1. Regular exchanges of scientists / experts from India & UK to stay & learn methodologies of interested areas.
2. TIFAC to participate in EU, OECD, UK & Canada commission of Government Departments involved in Technology Foresight Programmes being held regularly to catalyze actions.
3. Uncertainty principles and risk appraisal/ minimization paths & models could be studies jointly.

2 Innovation Support Programmes

2.1 Patent Facilitating Centre (PFC)

Over the years, PFC has established itself as a niche government scheme pioneering in providing support to the scientific community of the country in the matters of intellectual property rights. PFC has been engaged in creating awareness about Intellectual Property Rights (IPR), sensitizing scientists and technologists about protecting their inventions & other intellectual properties. The programme is also engaged in evolving policies at the national level and in proliferating the IPR culture to the states. It continues to provide technical input to the government on IPR

related issues. It supports government departments in protecting their innovations. Another important function of this programme is to keep watch on developments in the area of IPR globally.

Facilitation of IP Protection

During the year, more than 61 requests received from educational institutions and schools were evaluated & reviewed by, out of which, 31 cases were recommended for patent filing in India and one Patent Cooperation Treaty (PCT) application. Besides, a new design and a new plant variety were taken up for registration.

List of patent applications processed for filing by PFC :

Sl. No.	Applicant	Subject Area (No. of Applications)
1	Chaudhary Devi Lal University, Sirsa	Biotech (1)
2	College of Engineering, Perumon	Electronics (1)
3	Cashew Export Promotion Council of India, Kollam	Mechanical (1)
4	Dayalbagh Education Institute, Agra	Mechanical (1)
5	Delhi University, Delhi	Chemistry (1)
6	Dronacharya College of Engineering, Gurgaon	Electrical & Mechanical (1)
7	Entrepreneurship Development Institute of India, Gandhinagar	Physics & Mechanical (1), Chemistry (1)
8	Forest Research Institute, Dehradun	Chemistry & Biotech (1)
9	Guru Nanak Dev Engineering College, Ludhiana	Chemistry (2)
10	Indian Institute of Science, Bangalore	Physics (1)
11	IIT Kharagpur	Biotech (1), Electronics (1), Chemistry (1)
12	Kendriya Vidyalaya Sangathan	Electrical & Mechanical (1)



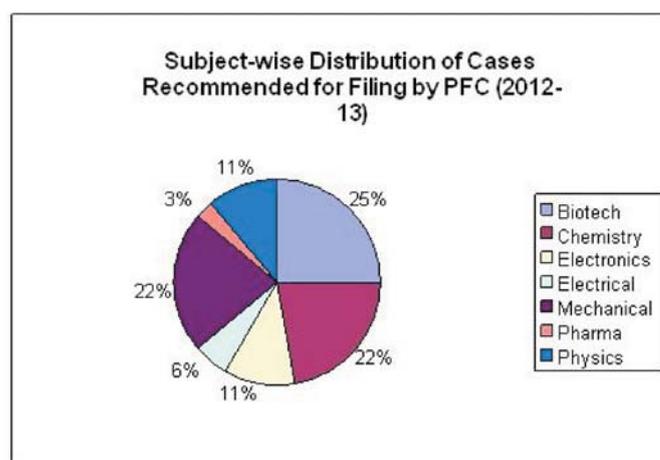
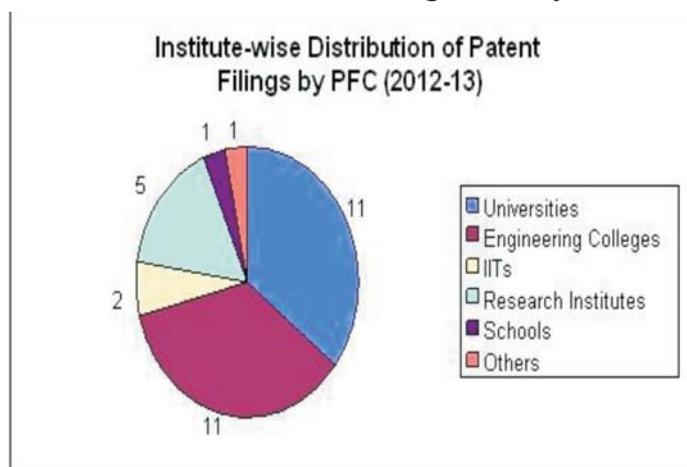
Sl. No.	Applicant	Subject Area (No. of Applications)
13	Khalsa College, Patiala	Biotech (2)
14	Malaviya National Institute of Technology, Jaipur	Mechanical (1)
15	National Institute of Technology, Durgapur	Physics (1)
16	Presidency College, Kolkata	Electronics (1)
17	Punjab University, Chandigarh	Pharma (1), Biotech (1)
18	Sardar Patel University, Vallabh Vidyanagar	Physics/Electronics (1)
19	Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow	Biotech (1)
20	Tezpur University, Tezpur	Chemistry (2), Biotech (1)
21	University of Petroleum and Energy Studies, Dehradun	Mechanical (1)
22	Department of Science & Technology, New Delhi and Vivekha Charitable Trust, Kanchipuram, Tamilnadu	Electronics (1)
23	YMCA University of Science and Technology, Faridabad and IIT Delhi	Mechanical (1)

In addition to above, one Patent Cooperation Treaty (PCT) application was also filed relating to cane for blind in the name of IIT Kharagpur.

One plant variety registration entitled "Bio-diesel plant *Cleome. viscosa*" was filed on behalf of Jawaharlal Nehru University. For IIT Guwahati, an industrial design "Today I like it"

(A badge like tag to help kindergarten children to indicate their requirements & moods in play schools) is being registered.

The following graphs show the institute-wise and subject-wise distribution of the patent filings by PFC:





The above pie charts indicate the progressive role of universities and engineering colleges availing the services of PFC for filing patent applications predominantly in the areas of biotechnology, chemistry, mechanical and physics.

Brief Summary of patents granted: Four (4) Indian patents and one US patent was granted to Indian inventions which were facilitated by PFC during this period. A brief abstract about each of these inventions as below:

An Indian Patent (Patent No 252287) has been granted to Department of Science & Technology (DST), Government of India, New Delhi and University of Hyderabad, Hyderabad, on May 5, 2012. This invention relates to remote functionalised Diaminodicyanoquinodimethanes (DADQs) having enhanced fluorescence in the solid state and reduced fluorescence in presence of organic solvent i.e., in solution or for the doped polymer film, in presence of solvent vapours. It also protects a process for preparing the remote functionalised Diaminodicyanoquinodimethanes (DADQs).

Main use of this invention is in manufacturing of organic vapor responsive switches and sensors. It is in line with current interest in the photoluminescence and electroluminescence of molecular materials which is a major impetus to explore novel chromophores which not only do not suffer fluorescence quenching in the aggregated state, but display enhanced light emission in the solid state and in polymer films. Using this invention a new family of remote functionalised zwitterionic diaminodicyanoquinodimethanes are synthesized and characterized by spectroscopic techniques. A viable model to explain the interesting phenomenon of fluorescence enhancement has

been worked out through semiempirical quantum chemical computations and the crystal structure information. Finally, reversible and reproducible switching of the enhanced fluorescence of a doped polymer film, triggered by chloroform vapors was demonstrated.

Another Indian Patent (Patent No 251753) has been granted to Chaudhary Charan Singh University, Meerut and was notified on April 6, 2012. This invention relates to a method for the preparation of the plasticizer. Method of preparation comprises steps of- subjecting the post consumer waste to the step of alcoholysis, wherein the ratio of post consumer waste and alcohol is 1:1 to 1:3 in presence of a catalyst p-toluene sulphonic acid in the range of 1% to 5% of the total reaction mixture, at 170°C for 15 hours to obtain a reaction mixture. Then it is stirred at defined rpm continuously for a considerable period of time to produce a yellow viscous solution of the plasticizer.

One more Indian Patent (Patent No 251576) has been granted to Indian Institute of Technology (IIT), Kanpur on an improved tandoor. This invention relates to an improved construction of a tandoor comprising of an inner wall made of mud, an outer insulated wall spaced from the inner wall, and such as to define a passage there between for the flow of hot gases, a liquified petroleum gas burner supported on the base of said tandoor and so as to allow the hot gases from said burner to flow in said space. Also one Indian Patent (Patent No 251762) has been granted to M. L. V. Textile Institute, Bhilwara on a manual fabric drying device.

US Patent was granted (Patent no. 8,178,134) to Delhi Institute of Pharmaceuticals and Research (DIPSAR) on May 15, 2012. The present invention relates to a synergistic herbal



ophthalmic composition for lowering the intra ocular pressure in glaucoma and process for the preparation of the same in pharmaceutically acceptable dosage forms. Herbs used in this ophthalmic composition are primarily withania somnifera (ashwagandha) and areca catechu (betel palm). Their effect with the other ingredients and formulated as a composition has also been protected through this patent. This has been a great step towards protecting herb related patents by Indian institute in USA. This invention emanates from the funding of DST.

Supporting IP Facilitation of INSPIRE Projects

PFC examined more than 500 cases for patentability of project exhibits under INSPIRE Programme of DST, where students from different schools from almost all states participated during INSPIRE-2011 Exhibition organized by DST in August 2011 at New Delhi. Out of these, 86 concepts/ideas were evaluated further for scope of protecting of IP resulting in filing of 85 Indian patent applications. These applications were drafted in-house by PFC Team. PFC also sent its team to INSPIRE-2012 exhibition held in New Delhi during October 2012 to study the projects demonstrated by students from all over India for possible patentability of project exhibits.

Awareness Creation

During this period, PFC conducted two patent awareness workshops; one was organized at NIT Agartala on August 10, 2012 in association with Tezpur University and Patent Information Centre (PIC), Tripura and second was organized at Barkatullah University, Bhopal on February 20, 2013 in association with PIC, Bhopal.

Specialized training programmes

As a part of PFC's interactions with other Ministries & Departments on IPR related matters & issues, a two-day specialized IPR training programme was conducted for Scientists from ISRO at Space Applications Centre (SAC), Ahmedabad during December 20-21, 2012. More than 75 scientists attended the 2-day training programme.



Senior Officials of SAC (ISRO), Ahmadabad & PFC Officials & Guest Faculty

Women Scientists Scheme (WOS-C): Training in IPR & related areas

The women scientists for the seventh batch were selected, through a nation-wide online applications process, for training 120 women scientists in IPR & related areas. About 5,000 applications were received across the country to be trained in the four centres at Delhi, Pune, Chennai and Kharagpur. For the first time, online applications were received for this scheme through an online portal prepared by URDIP, CSIR.

The one year training of the 95 selected candidates started in January, 2013. The women scientists belong to different science and

engineering backgrounds. A one month orientation programme was conducted for women scientists from all the four centres at New Delhi from 21st January to 15th February 2013 covering different forms of IPR like patents, copyrights, trademarks, designs, plant variety, biodiversity, IC-layout and semi conductors, trade secrets, IP management, patent searching, landscaping, IP licensing. A hands-on patent search session was also held during the programme. A visit to the Patent Office, New Delhi was also organized for the women scientists during the programme. There has been a fresh demand from various organizations to train the women scientists of this batch, as for the first time, the seats were allocated as per the major subjects in which IP filings are happening.

All the women scientists are placed for training of about 11 months at IP departments of government agencies, patent attorney law firms and KPOs. During the training period the women scientists are being paid a stipend of Rs.12,500/- (for MSc/BTech) and Rs.17,500/- (for PhD/MTech).



(Valedictory function for 7th Batch Women Scientists Orientation Programme)



(7th Batch of Women Scientists)

Impact of Women Scientist Scheme (WOS-C)

Till now 310 women scientists have been trained in a total of six batches of one year training. Out of these 38% (119) have cleared the Patent Agent Examination and are now registered Patent Agents with the Indian Patent Office. The scheme has been instrumental in generating employment for the women scientists in the area of IPR. About 55% (169) of the trained women scientists are actively pursuing their career in the area of IPR and are working in leading IPR attorney firms, IP departments of govt. agencies, MNCs and KPOs. About 12 women scientist alumini have started their own IP attorney firms, IP consultancy firms and some are working from home on IP assignments. Forty (40) patent information and trend analysis reports have also been generated on various technology areas.

2.2 Technology Refinement & Marketing Programme (TREMAPP)

The objective of Technology Refinement and Marketing Programme (TREMAPP) is to push innovative products and/or prototypes up the

commercialization cycle towards market through a network of Technology Commercialization Facilitator Agencies (TCFs).

Technology Transferred

An 'Automatic Scan Lock,' developed by Shri Vijay Singh, Varanasi, has been transferred to M/s. R P Electronics, Varanasi. The technology relates to a RFD based electronic device for prevention of vehicle thefts. The device shuts off the vehicle ignition system whenever the vehicle is moved beyond certain distance away from the owner possessing the RFD remote in his / her pocket.



New Projects

The following 15 new projects were commissioned during the year:

1. Sun Hot Water Systems

The technology is for heating water in the range of 60 – 80 °C through direct sun light with the help of specially designed (coated), manufactured and configured UV treated pipes of LLDP and enclosed in UV treated plastic sheet (bag) which also acts as solar ray absorbers. The pipes are made of non corrosive LLDP and avoid scaling problem.

2. Jet Nozzle Regulator and Accelerator Control Kit

The device is for providing an accelerator kit with an improved nozzle fitted into the kit for the two wheelers running on LPG fuel. It eliminates the use of carburetor (which needs regular maintenance). The device is sealed so is dust proof. The regulator nozzle allows only the required amount of LPG into combustion chamber thus saving fuel.

3. Automated Scan Lock

The technology relates to a RFD based electronic device for prevention of vehicle thefts. The device shuts off the vehicle ignition system when a vehicle is taken away (signal breaks) from the owner possessing the RFD remote in his / her pocket.

4. SURAKSHA: LPG & Gas Detection Device with SMS Alert Mobile Communication System

The innovation is chemical sensor (SnO₂) based electronic device for LPG gas detection enabled with SMS alert communication. This device detects LPG air mixture level in the air and in case it reaches above a threshold value, automatically sends an SMS to already stored mobile numbers (upto 5) in the data base. This is quite helpful in avoiding accidents and hazards due to leakage of LPG gases in day to day life.

5. Peeling Device (Machine) for Banana Stem

It is newly developed machine which cuts and separates the banana stem into three layers which can subsequently be used for different purposes. Upper layer will be used for making mats, rope and handy craft items, middle layers will be used for making clothe fiber, bags and inner layer (last) will be used for making handicraft paper and ply. The stem of the banana plant is usually thrown away once the plantain is harvested. The stem though highly edible and nutritious, forms a major waste material in large scale banana plantation

and is considered as huge agricultural waste. Through the development of banana peeling machine, a huge volume of banana waste can be utilized for various usable items in day to day life and at the same time employment opportunity can also be generated.

6. Mini Concrete Mixing Machine

It is a mini concrete mixing machine and its novelty lies in using principle of hydraulics in entire operation of machine. Unlike existing products in the market, this machine has both the hopper and drum which works on hydraulics and hence eliminating the need for clutch, gears & steering wheel with the drum being tilted using a lever. This offers major advantage in terms of reducing the cycle time by 30 seconds (40 seconds cycle time instead of 70 seconds in conventional machine for input of 10 cu.ft.), thereby increasing output and requires almost no maintenance.

7. A Device for Four Wheeler Driving Mechanism Through hand for Physically Challenged Persons

The innovation is a device which can be fitted into four wheeler car for driving by physically challenged person. The device is especially designed for handicapped persons whose both legs are affected from paralysis or polio but both hands are functional. In this, the driver uses one hand to control the clutch, brake and accelerator whereas second hand is used for operating and controlling of steering. The device is mounted near the right side of steering on right handed driving vehicle.



8. Biomass Cook Stove using Natural Draft (BCS-ND)

The innovation lies in combining the principle of Rocket Stove technology where the fuel such as wood sticks are front loaded along with Top Lit Up Draft (TLUD) which maximizes flow of air and hence oxygen in the stove leading to better combustion and faster cooking. BCS-ND has two sources for receiving air (input air). Primary air is the one which enters from the point of fuel feeding & secondary air comes from the base of the stove into the combustion chamber which is drawn in due to the pressure differential created which is key innovation in the stove.

9. Improved Wincrowing Fan

The technology is about a winnowing fan for creating strong forced draft of air for separating grains from the mixture of threshed straw. The advantages of this winnowing fan is that it involves relatively less friction as compared to similar and existing fans in market as also it is modular and portable and as such can be carried easily to the field and assembled there.

10. Faucets with independent control for flow and temperature

The technology is about water taps which can be mounted on wash basins or on walls and have independent controllers for maintaining the flow of water and control of temperature. The controllers are fitted perpendicular to each other.

11. Supraglottic Airway Device for Airway Management

The technology is a supraglottic (above the

larynx) airway device for anesthesia and airway support to patients for delivering anesthetic gases and oxygen above the level of vocal cords. The technology has advantages over popular endotracheal intubation like combitube, air mask etc. when it is not possible to ventilate or intubate. This device can be inserted through nasal route.

12. Segmental Interlocking Bolt - A new implant system for fracture neck of femur

It is a biomechanical device which provides stable compression for fracture neck of femur with minimal surgical approach and early weight bearing mobilization. It can be used for both intra capsular and extra capsular fractures of neck of femur. The implant comprises of a self tapping bolt which can accommodate an 8 mm partially threaded hip screw and a lock washer which can be locked in the bolt and accommodate a 6.5 mm partially threaded cancellous screw. Due to this implant system fracture healing happens at a faster rate compared to conventional methods. The other advantages are smaller surgical incision (only 3 cm instead of 15 cm in conventional one), lesser time for surgery (30 minutes), adequate compression as well as rotational stability at fracture site, early post operative weight bearing, minimal pre and post operative morbidity etc.

13. Door bolt system

The innovation is an improvised version of well known technology of door locking system with control rod guiding towards the central ridge. This door bolt system is

designed in such way that it replaces the number of fixtures on the door and comes with inbuilt handles avoiding more hardware on the doors. The door bolt is made up of specially bent sheet metal which can conceal the nuts, bolts and their heads thereby providing aesthetics and safety.

14. Cashewnut Fine Peeler Machine

The technology relates to an automatic cashew peeling machine which eliminates mechanical / manual operations to a major extent involved in cashewnut processing. The machine performs three major operations i.e. (i) cashew feeding mechanism in a controlled and desired manner, (ii) cashew skin peeling and (iii) dust / removed skin collecting mechanism. The salient features as claimed includes a peeling efficiency of about 80% depending on moisture content, consumes less electricity, processing cost is low as compared to other machines and has a production capacity of about 100 - 150 kg/hr.

15. Pen / Pencil for Filling OMR Sheet

The technology is about a differently designed pen / pencil which can fill one blank circle of the OMR sheet used in examinations in one stroke through a clickable action. Thus, the manual effort and time needed to fill the blank circle though an ordinary pen / pencil may be reduced considerably.

This along with 14 projects commissioned earlier takes the total number of innovations supported under TREMAP to 29.

Projects Completed:

Seven projects were completed during the year as listed below:

1. Side View Mirror Adjustment & Protection System
2. Dental / medical aspirator
3. Non-electric water level indicator (shortclosed)
4. Nimble carpet shearing machine
5. Automated Scan Lock
6. Techno-commercial analysis of Sound wave Airway sensor
7. Innovative Harmonic Hybrid Filter

Network of Technology Commercialization Facilitators (TCFs)

The TCFs act as networking centers of the programme providing reach out to the potential innovators in different parts of the country. The technologies for innovative prototypes / products / processes etc. having high potential of commercialization are provided marketing support towards technology transfer / licensing. Minor refinements, if necessary, are also addressed under the programme.

With the commissioning of a new TCF at Venture Centre, Pune, the network of TCF has been strengthened. The list of operating TCFs as on 31st March 2013 is as given below:

1. MCIIE, Indian Institute of Technology, BHU, Varanasi
2. M.S. Ramaiah School of Advanced Studies, Bangalore



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- Vellore Institute of Technology - TBI, Vellore
- Venture Centre, NCL Innovation Park, Pune
- Technopark-TBI, Trivandrum
- College of Technology & Engineering, Udaipur
- Kalinga Institute of Industrial Technology (KIIT)- TBI, Bhubaneswar

TREMAP Supported Innovation in Union Budget 2013-14



A patent granted to Shri Natarajan Rayar for his innovation 'improved Grinding Machine for Paste & Powder Making', meant for starch extraction from tapioca, was awarded by TREMAP under its National Award for Commercializable Patent scheme in 2012. This,

along with other innovations, finds a mention in Rs. 200 crore Innovation Fund scheme that Hon'ble Finance Minister announced in his 2013-14 Budget speech. The fund would be used for upscaling and commercialization of these innovations. The machine developed by Shri Rayar would reduce water requirement by 10th and energy requirement by 3rd of the present requirements. In addition, it is more compact and inexpensive.

2.3 TIFAC-SIDBI Revolving Fund for Technology Innovation Programme (SRIJAN)

The programme aims at facilitating Indian industries particularly MSMEs to scale up technology innovations to bring them to the market. Technical assessment of project proposals is carried out by TIFAC whereas appraisal of financial aspects and management of Revolving Fund is taken care by SIDBI. The programme was launched on November 01, 2010.

2.3.1. New Projects Approved

Out of 15 project proposals screened, 6 proposals were technically recommended by TIFAC and 5 proposals were approved for implementation under SRIJAN.

Projects approved during the period 2012-2013 are given below:

Pouchable grade Hi Sep PG™ battery separator with ribs and discrete dot configuration

Implementing Agency: M/s. Raman Fibre Science Pvt. Ltd., Bangalore

Technology Know-how: In-house R&D

Objectives: Development of improved and higher efficiency battery separators for enhancing productivity of battery industry

The technology for battery separators with discrete ribs & dots configurations was developed. The innovative process involves selection of variety of fibres, fillers and binders and manipulation of these materials in wet laid process which would give web with unique properties. The developed battery separator is suitable to run on automatic plate enveloping machines at Original Equipment Manufacturers (OEMs). The higher resistance, absence of leachants and suitability to operate at higher operating temperatures would add value to battery performance. The necessary modifications in process machineries were done and trial runs were taken towards alignment and streamlining the entire production line. The sample battery separators were evaluated and type approved by major domestic and foreign customers.

Design, manufacturing & assembling of Multi Leaf Collimator (MLC) for SIDHARTH LINAC

Implementing Agency: M/s Panacea Medical Technologies, Bangalore

Technology Know-how: In house R&D in partnership with SAMEER, Mumbai

Objectives: Development of cutting edge low cost technology in areas of cancer therapy

The technology was developed for Multi leaf and Asymmetric Collimator for Sidharth LINAC with the view to make the machine deliver conformal therapy with facilities like Image Guided Radio Therapy (IGRT) and Intensity Modulated Radio Therapy (IMRT). The

integration of the control for MLC and the LINAC in a single control console is the prime innovation of the project. These devices work in unison along with the therapy equipment to shape the beam to affected tumour which would result in easy and error free treatment delivery. The two products would be integrated with the LINAC for the benefit of the end customer and make it at par with the latest technology for treatment of cancer. The cost of the indigenously developed collimators is expected to be about 60-65% of the imported ones.

Design, Manufacturing and Commercialization of Inertial Navigation Sensors and Autopilot

Implementing Agency: M/s. Aeron System Private Ltd. Pune

Technology Know-how: In house R & D

Objectives: Development of cutting edge technology for low cost high efficiency inertial navigation sensors

The indigenously developed low cost sensors comprise of two unique features namely software algorithm and orthogonal frame towards robust structural design for use in defence and automotives applications. The technology has key advantages like size, compactness as well as light weight and hence suitable for miniature flying vehicles, guided missiles etc. The cost of the sensors would be expected about one-tenth of the cost of a conventional system and therefore would be advantageous for use in missiles where recovery of sensors for re-use is impossible. Due to the development of proprietary algorithm the low-cost sensors would give exceptional performance similar to high cost sensors.



Energy Efficient Cooling and Heating System (HVAC & R Systems)

Implementing Agency: M/s. Mechworld Eco Pvt. Ltd. Nashik

Technology Know-how: IIT - Bombay

Objectives: Enhancing energy efficiency of cooling & heating systems (HVAC&R) through waste heat recovery

The improved design of tube-tube heat exchangers has been developed by IIT-Bombay and transferred to the industry. It would be used in multi utility heat pump to provide hot or cold utility in quick time compared to traditional heat pumps due to more efficient heat transfer because of higher temperature differential (ΔT). The use of bends and secondary flows induced in bend would lead to enhanced heat transfer without significant pressure drop. Tube diameter and number of tubes on each side would be placed independent of each other and various configurations would be possible, resulting in greater flexibility in design.

Hybrid Idler

Implementing Agency: M/s. Jyoti Cero Rubber, Jamshedpur

Technology Know-how: In house R&D in partnership with TATA Steel - Jamshedpur

Objectives: Enhancing industrial productivity through improvised idlers used in conveyor systems for material handling

The conveyer belt system in steel industry while carrying moist and abrasive materials gets frequent breakdown due to corrosion in idlers and production gets hampered for replacement

of worn out idlers. To overcome this problem, the hybrid idler has been developed by providing a unique wear resistance coating of high alumina ceramic powder blended with polyurethane polymers on the surface of MS idlers. The combination of polymer and ceramic coating along with assembling of improvised roller parts would provide the hybrid idler rollers high abrasion resistance properties and very low coefficient of friction resulting into significant increase in the average life of idlers. It would reduce maintenance and down time in conveyer belt system leading to higher productivity.

2.3.2. Ongoing projects:

Ongoing projects reviewed by Project Review & Monitoring Committees are given below:

Development and Commercialization of Biodegradable Soluble cutting /Coolant Oil (BSCO)

Implementing Agency: M/s. Ecocare Bio Lube India Pvt. Ltd., Coimbatore

Technology Know-how: CSIR-Indian Institute of Petroleum (IIP), Dehradun

Objectives: Scaling up of novel product biodegradable and eco-friendly metal cutting oil

This technology was transferred by CSIR-IIP to the industry for commercialization. Erection and commissioning of the plants and machinery were successfully completed. The company produced batches with different bio based raw materials and the product samples were tested at the customers' premises for field trials. Based on users' feedback, the formulation of the product modified. Further field trials are in progress.

RFID tags for Solar PV module tracking

Implementing Agency: M/s. IAITO InfoTech Pvt. Ltd., Kanpur

Technology Know-how: Incubated at SIIC, IIT-Kanpur

Objectives: Development of cutting edge technology of RFID tags for its application in Solar PV modules

The company has developed the technology which was incubated at SIDBI Innovation & Incubation Centre (SIIC), IIT-Kanpur. The indigenous design of RFID tags and writing over it are successfully achieved at higher scale and tags sold to customers. Some of the international companies have shown interests for the RFID tags developed indigenously under the project. Further innovations are being explored for using new materials for the RFID tags with the aim of reducing the production cost and also to enhance the performance of the tags.

2.3.3. Project technically recommended to SIDBI

The following project technically recommended by TIFAC to SIDBI was under financial appraisal and due diligence at SIDBI:

Commercialization of self-grooving rubber roller by substituting the presently used leather rollers in double roller ginning machines

Implementing Agency: M/s. Millennium Rubber Technologies Pvt. Ltd., Thrissur

Technology Know-how: Collaborative development by Industry & CIRCOT - Nagpur

Objectives: Enhancing Energy Efficiency and productivity of cotton ginning machines

The technology was developed jointly by the industry and Central Institute for Research on Cotton Technology (CIRCOT), Mumbai. The conventional rollers of double roller ginning machines are made out of semi-finished chrome leather which is continuously abraded during ginning operation. The rollers also require periodical re-grooving, which leads to huge down time. Further, the leather rollers contains about 3-4% of chromium, which is emitted during the operation resulting in contamination in the cotton lint and seed. Self-Grooving rubber roller would eliminate these problems and would significantly reduce the machine down time leading to higher productivity. It would also reduce power consumption due to decrease in friction on rollers during operation.



3 Technology/Manpower Development Programmes

3.1 Collaborative Automotive R&D (CAR)

The Collaborative Automotive R&D (CAR) programme was started as an academia-industry interaction forum for the Indian automotive industry in 2003-04. Apart from creation of Technology Roadmap and identification of technology priorities, CAR also supported precompetitive consortium projects involving academic/R&D institutes, vehicle manufacturers and component manufacturers.

Out of the 10 consortium projects that had been taken up under the Collaborative Automotive R&D (CAR), 6 had already been completed earlier. 3 projects projects were completed during the year, and 1 was ongoing:

Projects Completed:

Ultracapacitor for Electric and Hybrid Electric Vehicles

Consortium Members: IISc Bangalore, IIT Kharagpur, NCL Pune, NED Energy Limited, Kaptronics Pvt. Ltd.

Ultracapacitors are devices with much higher energy density as compared to conventional capacitors, with fast charge-discharge capability. In electric and hybrid electric vehicles ultracapacitors can be used in conjunction with battery to support it during high power discharge, thereby enhancing life of the battery. It can also help in recovering the braking energy through regenerative braking. Even fully ultracapacitor powered vehicles that

can be quickly charged in frequent intervals are also being explored.

Objective of this project is development of suitable materials (both conventional and nanostructured electrodes as well as various electrolytes) to make prototype of Ultracapacitors and develop test protocols. The project has the following sub-projects/ work-packages:

1. Evaluation of commercial capacitors
2. Development of electrode and electrolyte materials
3. Fabrication of prototype ultra-capacitor banks
4. Development of testing method

Along with electrochemical capacitors, the project objectives also included development of hybrid capacitors based on lead and carbon.

The project work has been completed and review of the completion report is on. Prototypes for ultracapacitor as well as hybrid capacitors have been developed using materials developed by the consortium partners. Stacks of hybrid capacitors have also been developed and demonstrated.

Process development in Semisolid Forming and Squeeze Casting of Al-components for automobile components

Consortium Members: IISc Bangalore, Sundaram Claytons, TVS Motor Co., Mahindra & Mahindra

The objective was to develop advanced aluminium alloy castings for Indian automotive industries, so as to enable them to produce light weight components, with superior mechanical properties, higher integrity and with potential for near net shape manufacturing. IISc has successfully completed research investigations under the subject project for developing competence in two major methods of 'high integrity castings' which can provide solutions to the problems faced with high pressure die casting process, currently used extensively in the automotive industry. The two processes that IISc had worked on are: (a) squeeze casting and (b) semisolid forming technologies and manufactured four automotive components.

Low cost flexible automation (LCFA)

Consortium Members: IIT Madras, Systematics and Magtorq, IIT Bombay, TVS Motor Co., Mahindra & Mahindra, Sona Koyo, TVS Lucas, MICO Ltd

- *Cyclo speed reducers*: Development of Cyclo Speed Reducers is one of the tangible achievements in the project, which is an import substitute. The Magtorq has designed and fabricated four series of cyclos and supplied 10 units for incorporation in Low Cost Scara (LCS) Robot.
- *Low Cost SCARA (LCS) Robot*: Alpha version of LCS was designed and developed and was also tested at IIT Madras. A few improvements were made in Beta Version.
- *Direct Drive SCARA (DDS) Robot*: Alpha (functional) prototype was made running at low speeds with imported motors. Beta (tested) Prototype is pending due to non-availability of larger motors for integration.

DDS shares LCS packaging and is similar.

- *Articulated 6 Axis (A6A) Robot*: Alpha version of A6A was designed and developed using indigenously developed cyclo drives and controllers. Cyclo drives developed by Magtorq has reached precision levels closer to the requirement i.e., 5 arc min. The prototype was tested in-house at Systemantics.

The project has been declared completed.

Ongoing Projects

Competence development in Electromagnetic Manufacturing for manufacture of automotive components

BARC Mumbai, AMPRI Bhopal, IIT Bombay, IIT Delhi, IPR Gandhi Nagar and CMTI Bangalore

The objective of the project is to demonstrate competence in the electromagnetic forming technology through manufacture of illustrative automotive components. The scope of the project is under revision as instead of importing, indigenous development of electromagnetic forming machine is being taken up based on technology developed by BARC. BARC has developed a functional 40 KJ, 20 KV electromagnetic machine using its own resources. Major components viz. Capacitor Banks, Coils, Field Shapers were developed in house. The machine is now available for conducting feasibility studies on automotive components to generate material related data. M/s. ECIL has started fabricating three more prototypes of this equipment with technology know-how from BARC and provide to consortium partners for carrying out feasibility studies.



Projects Nucleated:

TIFAC nucleated two consortium projects which were supported by the Department of Heavy Industry during this period:

Design guidelines for light weight city transit bus (LiteCityBus)

Automotive Research Association of India (ARAI), I.I.T, Mumbai; Aluminum Manufacturers; Bus Body Manufacturers)

The project aims to develop design guidelines for light weight city transit bus for maximum light weighting under Indian conditions. This include investigate structural designs, material selection, and manufacturing technologies for Aluminium intensive bus body conforming to Bus Body Code: AIS: 052. It will include scientific investigation on joining techniques, crash impact properties, and the impact of design on ergonomic and aesthetic aspects.

Offline and Real time Simulator for electric and Hybrid Electric Vehicles

ARAI, CDAC-Trivandrum, IISc Bangalore and IIT Bombay

Objective of the proposed project is to develop off-line, real time and hardware in loop simulator for electric vehicle/ hybrid electric vehicle systems and extend the knowledge base to academic institution and industries.

Offline and real time simulation platform for EV/HEV is critical to efficient development of vehicles, with regard to making intelligent choices about component performance, vehicle performance, control strategy and energy management. Deliverables of this project are:

Offline Simulator: Software suitable for configuring and testing all types of HEVs and Evs and its applications; Library elements for detailed analysis of EV/ HEV devices; Analysis of power and energy flow in the integrated system and power devices

Real-time Simulator:

Hardware: Four proto models with processor and interface feature. The real time simulator consists of a processor system and an I/O interface system both analog and digital.

Software: Real time software suitable for configuring and testing all types of HEVs and Evs and its applications; Real time library elements for EV/ HEV devices.

Knowhow: Source code for offline and real time simulation and procedure to adapt the same for future updates in hardware for HIL simulator with minor modifications.

Training: Web based interactive training material. Teaching aids on offline and real time simulation.

3.2 Bioprocess & Bioproducts Programme

The programme aims to address critical technology needs for bio-transformation and enzymatic processes towards development of active pharmaceutical ingredients, nutraceuticals, phytochemicals, value-added bio-products, bio-energy & bio-fuels, setting up national facilities etc. So far **ten projects** were launched and specialized technology assessment/foresight studies were commissioned under the programme in the aforesaid areas. The status of ongoing and completed projects during the year is reflected below.

Ongoing Projects

Centre for Biofuels

The project was launched with National Institute for Interdisciplinary Science & Technology (NIIST), Trivandrum for undertaking cutting edge research activities in bio-refinery related technologies. The centre evolved as the leading seat of knowledge and pedagogy. Compositional analysis for identified feedstocks viz., *sugarcane bagasse*, *reed (bamboo)*, *sugarcane tops*, *rice straw*, *cotton stalks*, *chilli waste* had been completed by NIIST. Laboratory studies were carried out on their pretreatment, hydrolysis and fermentation. Results obtained on these aspects confirm that the selected feedstock could be potential raw materials for bio-ethanol production. Laboratory scale experiments would need to be validated in the pilot plant under more realistic operating conditions. Design, installation and commissioning of the lignocellulosic ethanol pilot plant with the processing capacity of 80 kgs. of biomass per day has been completed at NIIST and the pilot plant was inaugurated in April 2012. The Phase-I of the project along with all its stipulated objectives within the agreed time-frame were completed successfully and the process technologies for lignocellulosic biomass to ethanol at laboratory scale were developed successfully. The project activities concerning experiments for the optimization of pre-treatment & hydrolysis of biomass have resulted into several publications in reputed journals and presentations in international conferences.

Process development for production of L-arginine by fermentation

The project, launched in collaboration with Jawaharlal Nehru Technological University

(JNTU) & M/s Celestial Labs Ltd., Hyderabad, aims to develop a process for L-arginine from the selected microorganisms. L-arginine, an amino acid considered as the most potent nutraceutical, has numerous functions in the body. It is needed to create urea, a waste product that is necessary for toxic ammonia to be removed from the body. Also, it is needed to make creatine, which breaks down into creatinine at a constant rate, and it is cleared from the body by the kidneys. The strain has been improved by conventional mutagenesis and recombinant approaches at JNTU. Approximately 15.00 mg/ml L-arginine was obtained on optimizing the media composition and process parameters at the laboratory scale. Based on the encouraging results obtained by JNTU at the lab scale, efforts were directed towards a seamless scale-up of the technology for its smooth transition from the lab scale to commercialization. Celestial Labs had carried out technology scale-up at 100 litre capacity at BIT-Mesra based on the data obtained by JNTU for arginine production .

Development of biotechnology based process for waste reduction in potato processing

The project, launched in September 2011 in collaboration with IIT-Kharagpur and Basukinath Food Processor Ltd., Kharagpur, aims to develop low cost alternative biological process for peeling of potatoes, standardization of process for easy removal of peel, comparison of the process efficiency with the commercial and indigenously produced enzymes and evaluation of the treated potato.

The physical and chemical characterizations of potato peels and wastes from various potato processing stages were carried out by IIT.



Suitable enzyme cocktail was identified and the desired quantity of enzymes was produced. The weight loss was estimated in peeled potato to establish the efficiency of peeling and comparative analysis of biochemical characteristics of potato before and after enzyme treatment. Experiments were also carried out for evaluation of biogas and a total reduction of ~ 94% COD was achieved with biogas yield of ~63% methane. Experiments were underway to improve the activity of enzymes. After maximizing the activity of enzymes by concentrating the enzyme solution, experiments would be conducted for potato peeling process. Also experiments with the concoction of produced and procured enzyme for the peeling process would be carried out. Experiments were carried out to assess the amount of the protein, sugar, total starch, total reducing sugar, amino acid and cellulose present in the potato peel. It was noted after experiments that potato waste (potato peel & mash) generated while processing could be utilized as bio-manure.

Two patents were filed by IIT on enzymatic treatment for potato peeling and ethanol production from potato processing waste.

Development of novel process in isolating standardized extract of Aloe Vera and its application for diabetes control

The project, launched in July 2011 in partnership with Centre for Bioseparation Technology (CBST), VIT University, Vellore and M/s.Laila Pharmaceuticals Pvt. Ltd., Vijayawada, aims to develop and standardize a novel process for aloe vera extract to control diabetes in human.

The process of extraction has been optimized at lab as well as pilot scale level using Aloe Vera as raw material collected from various sources. Phytochemical analysis of the important parameters of extract namely, moisture content, polyphenol, antioxidants, flavonoids, carbohydrates, protein and HPLC analysis in comparison to the reference extract were carried out. ED50 studies on animals were carried out for diabetic Wistar Albino rats. The data collected on various bio-chemical parameters like Fasting Plasma Glucose (FPG) levels, insulin levels, lipid profile, liver function test and kidney function test were carried out. Acute toxicity studies with the extract as per OECD guidelines on animals were also carried out. M/s. Laila Pharma has undertaken eleven batches of Aloe Vera extract production in their pilot facility and made formulated products for easy capsule filling.

M/s. Laila Pharma has completed the required documentation as per ICH GCP guidelines and selection of hospitals for conducting clinical trials. The approval by Ethical Committee and insurance for participating subjects were obtained. However, human trials are awaited only for the shortage of required quantity of investigating product (IP). The manufacturing of IP for the required quantity is in progress. Extract would be thoroughly evaluated in the animal models before human trials under defined regulatory and ethical conditions.

Projects/Activities in Pipeline

Centre for Biofuels (Phase-II)

The project proposal for initiating the Phase-II of centre for biofuels submitted by NIIST, Trivandrum for grant-in-aid support was

received by TIFAC. The project would primarily aim at developing the laboratory scale processes into workable technologies. The objective of the pilot scale studies would also include the evaluation of the energy requirements and cost for various process steps and to identify the areas/parameters contributing to low efficiencies calling for their optimization.

3.3 Synergizing S & T with Judicial Processes

Projects Completed

The following three technology demonstration projects have been completed:

Selection of Panel of SNP Markers for Forensic Analysis in Indian Population:

Central Forensic Science Laboratory, Kolkata completed the project to generate data base of autosomal SNPs & Y chromosomal SNPs for Indian population in forensic case work.

e-Courtroom (e-DRRS and e-DEMS): India's First District level Paperless e-Court was commissioned at Karkardooma Courts, Delhi. In these two e-court room projects, all the proceedings, documents, physical evidences and other file records are digitalized. The contents were made available to the authorized users like judge and lawyers through flexible retrieval system of information. Through video conferencing facility the live deposition from remote locations such as Jail, Forensic Lab, Hospitals were made possible. These two projects (e-DRRS and e-DEMS) have been completed by CDAC-Noida with High Court of Delhi.

3.4 MSME Cluster Programme

TIFAC has an ongoing program focused towards providing R&D and technical support to Micro

Small and Medium Enterprises (MSME), and plan technological interventions in identified MSME clusters. The approach is based by establishing and leveraging academia-industry interaction. The approach starts with a comprehensive assessment of cluster based technology needs with specific focus on technology status- both product & process -, identification of gaps in terms of competition and market requirements, and propose appropriate design and implementation of targeted technological interventions by the academic/ R&D Institutions that act as knowledge partners.

During the year, the programme continued its activities in different parts of the country as reflected in the progress captured below. :

Completed Studies

The following nine (9) studies were completed during the year:

1. Sewing machine cluster, Ludhiana

Recommendations: Introduction of new manufacturing processes and advanced techniques for making sophisticated and light weight sewing machines with better running performance and high speed capable of doing multiple works, introduction of new technologies for waste reduction and producing better quality product, R&D on new lightweight and high strength materials, setting up common facility centre, introduction of low cost automation in manufacturing processes, and skill upgradation of manpower etc.

2. Bicycle parts cluster, Ludhiana

The study recommended energy audit to improve the energy intensive processes, and also highlighted the scope for automation



of processes, need for training related to upkeep of machines, health and safety etc., setting up of common centre for providing technical support facilities to the cluster, need for R&D towards improving product quality, technologies for diversification of products, introduction of new and economic alternative material for reduction in weight and cost of bicycles, manufacturing high end bicycles including electric bicycles.

3. Mini gas cylinder, Meerut

The recommendations include instituting a mechanism for purchase of good quality raw material in bulk for the manufacturers-cooperative raw material bank/store, awareness creation and training of entrepreneurs about BIS standards, safety and health/ hygiene, training towards best practices in manufacturing, awareness towards latest welding, forging, shearing, pressing etc technologies, setting up a BIS lab in the cluster for quality control and certification of products, exploration of international market and avenues for exports and introduction of low cost automation in processes.

4. Voltage stabilizer cluster, Meerut,

The recommendations include creating awareness in the cluster about the latest trends in voltage control technology, training of manpower regarding safety procedures, best practices, reduction of losses, training of entrepreneurs about ISO certification of units, setting up of centralized testing lab with damp heat, vibration and fluctuation tests and establishment of a research, design and product development centre to cater to the

R&D and technical needs of the cluster units and guide them towards diversification of products.

5. Electronics cluster, Mohali

Recommendations include establishment of knowledge centre for acquiring latest technology and dissemination of information about advanced technology preparing experts/consultant database for providing need based services to cluster industries, establishing a testing lab, setting up of a nodal centre with facilities for product design and development, training and rapid prototyping.

6. Ready-made garment cluster (fashion design), Tirupur

The recommendations include short term activities such as creating awareness on design oriented manufacturing practices; skill upgradation of fashion designers, organizing fashion shows/fairs; capacity building of local fashion schools and fashion designers, the medium term activities such as establish design forums (network of experts / consultants); promotion of joint ventures; promotion of design development practices and brand building and the long term activities include promotion of design process outsourcing (Freelancer), Trend watching services.

7. Ready-made Garment Industries Cluster, Delhi/NCR

The recommendations include holding of training and workshop for various levels to develop skilled manpower, to make them aware about new products/fashions, and new technology besides setting up of Common Facility Center.

8. Textile Cluster, Panipat

The recommendations include imparting training and organising workshops for developing skilled manpower for all levels, to create awareness regarding new products and machinery available in the market and also establishing a Common Facility Center.

9. Plastic Cluster, Mumbai

The recommendations include imparting of technical training in order to create quality manpower at reasonable salaries and technical and product design support for safety and health hazards of the employers within the cluster. There is lack of knowledge on IPR related issues. The cluster firms also need technical upgradation support, production improvement as well as guidance on product diversification.

Draft study reports submitted

Three (3) studies submitted during the year were under finalization:

1. Auto Component Cluster Jamshedpur
2. Plastic cluster, Delhi
3. Production/Manufacturing Processes as well as Environmental Aspects of Readymade Garments Cluster in Tirupur, Tamil Nadu.

Validation Workshops

Validation workshops were organised for the following five (5) clusters:

1. Readymade garment cluster (fashion design), Tirupur

2. Plastic cluster, Mumbai

3. Plastic cluster, Delhi

4. Auto Component Cluster Jamshedpur

5. Production/Manufacturing Processes as well as Environmental Aspects of Readymade Garments Cluster in Tirupur, Tamil Nadu

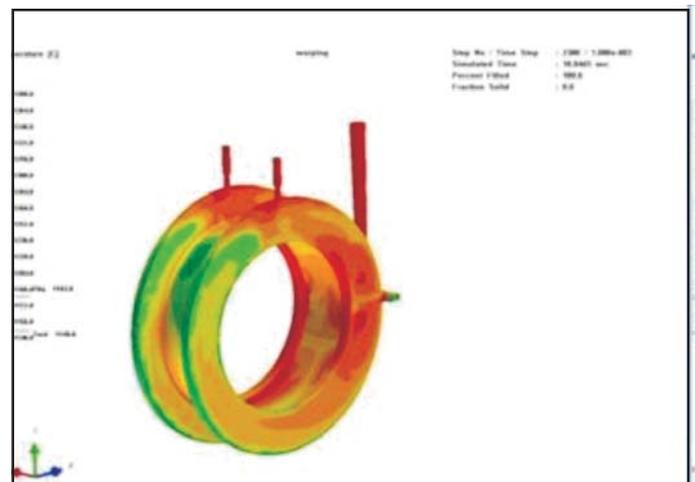
Technology Interventions in Clusters

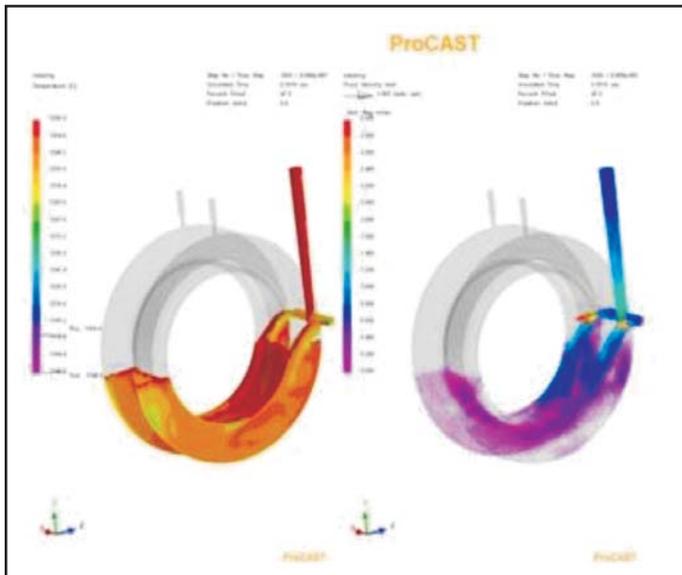
R& D and Innovation Centre for Howrah Foundry cluster:

Salient highlights of new initiatives and ongoing activities undertaken by R& D and Innovation Centre- Jadavpur University for Howrah Foundry cluster:

Casting Simulation Laboratory: A laboratory, equipped with the state of the art computational facilities, is being extensively used by the cluster industries for modelling, simulating, analyzing and product development and deployment in industrial application.

The different colours shown above correspond to different temperature zones during





solidification of metal in the mould.

Laboratories for Chemical/Spectroscopic Analysis, Metallurgical / Metallographic Testing and Mechanical Testing: The R&D and Innovation Centre is now fully equipped to take up the following Design and Testing Assignment:-

1. Metallography including In-Situ Metallography of casting at the foundry.
2. NDT-Portable Dynamic Hardness Tester.
3. Hardness, U.T.S, Y.S. P.S & Elongation.
4. Chemical Analysis facilities.

Mobile Casting Clinic: Mobile Casting Unit has received an overwhelming response from foundries. The Mobile unit is additionally equipped with temperature measuring device combined with carbon equivalent analyzer. The Clinic carries out the tests of determination of moisture content determination, permeability test, mould hardness test, core hardness test, green compressive strength test, compactability

test, AFS grain fineness number determination and total clay content determination. Now it has the additional test facilities for carrying out carbon equivalent, carbon %, silicon % and temperature measurement. Consultancy is also being extended on request basis.

The Mobile Casting Clinic is manned by an expert for advising the industry on routinely encountered defects. It moves along a predetermined route by the Foundry Association for carrying sand testing at nominal rates.

Future Plans: In close association with R&D and Innovation Centre and Industry, a number of studies, training and awareness programmes have been planned to be initiated keeping in view the long term sustainability of the clusters.

Capacity building initiatives in the following clusters are in the pipeline.

1. Ready made garment cluster (fashion design), Tirupur
2. Production/Manufacturing Processes as well as Environmental Aspects of Readymade Garments Cluster in Tirupur, Tamil Nadu.
3. Textile Cluster, Panipat
4. Plastic cluster, Mumbai
5. Readymade Garment Industries Cluster, Delhi/NCR
6. Rubber Cluster Agartala
7. Sewing machine cluster, Ludhiana, and
8. Bicycle parts cluster, Ludhiana



With the activities under the programme having reformulated, TIFAC is taking up capacity building exercise in a major way in different clusters. Guidelines have been finalized towards supporting such initiatives under MSME Programme.

Mission REACH

The Mission REACH programme (**R**elevance

and **E**xcellence in **A**CHieving new heights in educational institutions) was launched by TIFAC during October 2000, aiming towards the development of human resources of international standards, imparting high quality education in chosen areas of high relevance to industry and society by creating sustainable linkages between academia and industry.

During the year, some of the projects which were ongoing are as follows:

Sl. No	Title of the CORE	Name of the Institution
1	Telematics	VR Siddhartha Engineering College, Vijayawada
2	Food Processing & Quality Control	Techno India, Kolkata
3	Pharmacogenomics	Manipal University, Manipal
4	Machine Vision	Rajalakshmi Engineering College, Chennai
5	Power Transformer Diagnostics	National Institute of Technology, Hamirpur
6	New Drug Delivery Systems	MS University, Vadodara
7	Digital Image Processing	M S Ramaih School of Advanced Studies. Bangalore

During the year, Mission REACH was reviewed by the TIFAC Programme Review Committee. The committee had suggested that Mission REACH should be recast.



4 International Linkages

4.1 India-International Institute for Applied System Analysis (IIASA) Programme

International Institute for Applied Systems Analysis (IIASA) is an independent non-governmental interdisciplinary research institution headquartered in Luxenburg, Austria created with the participation of various scientific organizations from different member countries. India has been a member of IIASA since January 2007 with TIFAC as the Indian National Member Organization (NMO). TIFAC has been entrusted with implementing the 'India-IIASA Programme' with focus on undertaking collaborative research projects among scientists from Indian organizations/academic institutions with IIASA researchers in the areas on mutual interests and organizing training workshops. The Programme also offers opportunities for young Indian researchers to work at IIASA under the 'Young Summer Scientist Programme (YSSP)' and Postdoctoral Programme, which help strengthen their skills in advanced systems analysis and research techniques.

Capacity Building:

- Three Indian researchers participated in the YSSP at IIASA in 2012.
- One researcher participated in Southern African Young Scientists Summer Program (SA-YSSP), a joint efforts of IIASA and South Africa

Collaborative Studies

The study on Analyzing Forest Carbon Accounts for Sustainable Policy Options, launched with Indian Institute of Forest Management (IIFM), Bhopal, aims to analyze the forestry and related land use policies in terms of their economic and social consequences which have bearing on forestry sector with reference to climate change. The study is likely to be completed by April 2013.

Workshops/Seminars/Meetings

TIFAC had been organizing a series of workshops in collaboration with the Indian institutes and IIASA for knowledge sharing, learning new models & techniques and exchanging ideas on emerging problems among Indian researchers and policy makers. A two-day workshop on 'Changing Land Use and Environmental Implications under the Emerging Economic and Climatic Scenarios in India: Developing Data Base and Methodology' was organized with Gujarat Institute of Development Research (GIDR), Ahmedabad during March 5-6, 2013. The workshop assessed some of important issues in diversion of land from primary sector and discussed critical constraints in moving towards an approach for land-use planning in India.

The India-IIASA collaboration has resulted in the publication of approximately 55 journal articles or reports & publications on a diverse range of disciplines and issues., primarily on energy, biofuels, emissions (climate change),

and forestry. IIASA's broader agenda also generates research of direct relevance to decision makers in India.

Future Collaborative Studies

1. Study on Climate Change Adaptive Behaviour for Sustainable Livelihoods planned with Institute of Rural Management, Anand (IRMA)
2. Study on Modeling of Soil Nutrient Assessment Programme (SNAP) : Developing a Decision Support System for Sustenance of soil fertility in humid tropics of Kerala – Centre For Water Resources Development and Management (CWRDM), Kerala
3. Study on Livelihood Issues for Sustainability of Water Management – National Institute of Hydrology, Roorkee
4. Study on Study on Development and Application of GAINS-City Model for Indian Cities by National Environmental Engineering and Research Institute (NEERI), Mumbai Zonal Laboratory.



5 Publications and Participation in Conferences

5.1 Participation in National Conferences

- (i) Shri Soumitra Biswas & Ms. Sangeeta Baksi, participated in the conference on 'Knowledge Chemicals - Technology trends and Opportunities: Focus on Pesticide Industry', organized by Chemical Engineering World during April 2012 at Mumbai.
- (ii) Ms. Mukti Prasad, Scientist-C participated in the seminar on 'Transport Infrastructure 2025' on December 12, 2012 at New Delhi.
- (iii) Ms. Sangeeta Baksi, Scientist-E & Soumitra Biswas, Advisor participated in symposium on the Global Natural Fibres Forum (GNFF), Bangalore, during 25-27 September, 2012
- (iv) Shri Mukesh Mathur, as a TREMAP official, was a Jury Member in the India Innovation Initiative – i3 Regional Fair during October 2012 at NOIDA and National Fair during November 2012 at New Delhi.
- (v) Ms. Nirmala Kaushik, Scientist-D, participated in the Indo-EU networking stakeholder meeting on biotechnological interventions in biomass and bio-waste availability for sustainable bio-

economy organized by TERI, New Delhi, on November 07, 2012

- (vi) Ms. Nirmala Kaushik, Scientist-D and Shri Soumitra Biswas, Advisor participated the International Conference on New Horizons in Bioenergy Research (NHBR-2013), IIT-Kharagpur on January 15, 2013

5.2 Participation in International Conferences, Training Programmes and Seminars

- (i) Shri PR Basak, Scientist-E and Head-SRIJAN participated in "Senior Management Programme on Managing Research Technological Organizations (RTOs)" held at SIRIM Berhad, Malaysia under the Malaysian Technical Cooperation Programme (MTCP) during June 17-24, 2012 with full sponsorship from WAITRO.
- (ii) Shri Mukesh Mathur, Scientist-D, Shri Yashawant Dev Panwar, Scientist-D, Dr. S. Majumder, Scientist-D, Ms. Nirmala Kaushik, Scientist-D, Shri T. Selvan, Scientist-D and Dr. Neeraj Saxena, Scientist-D, participated in a 2-day International Conference towards better innovation eco system during 20-21 September, 2012, New Delhi.



- (iii) A presentation on “Technology Innovation and Commercialization – TIFAC Experience” was made by P.R. Basak, Scientist-E in the International Conference on “Technological Innovations for all inclusive growth” organized jointly by WAITRO and Shriram Institute for Industrial Research held in New Delhi on November 09, 2012. An abstract of the paper was published in the conference proceedings.
- (iv) Ms. Sangeeta Bakshi, Scientist -D attended two IIASA Governing council meetings held during 25-29 June 25 - 29, 2012 and during October 22 - 26, 2012, both at Laxemburg Vienna, Austria.
- (v) Shri P.R. Basak, Scientist-E participated in Malaysian technical cooperation programme held from 17-24 June, 2012 at Berhard, Malaysia.
- (vi) Shri Suresh Kumar K, Scientist-E, participated in Workshop on Technology commercialization held from 8-13 July, 2012 at Michigan, USA.
- (ii) Ms. Jyoti Saklani, LDC, attended a 3-day training programme on ‘Reservation in services for SC, ST, OBC & physically handicapped during 10-12 May, 2012.
- (iii) Shri. Suresh Babu, Scientist-C, attended a 3-day training programme on ‘Introduction to Abacus’ during 7-9 May, 2012.
- (iv) Shri Adarsh Mayya, Astt. Gr. II, attended a 3-day training programme on ‘Cash Accounts, Budget Management & Income Tax matters’ during 26-28 July, 2012.
- (v) Shri Suresh Somanchi, Astt Gr.I, attended a 3-day training programme on ‘FR/SR, cash a/cs, & budget management, pay fixation on MACP’ during 12-14 July, 2012.
- (vi) Shri S.K. Muneshwar, Scientist-B, attended a 7-day training programme on ‘Knowledge Management & Knowledge sharing in organization’ during 23-29 July, 2012.
- (vii) Ms. Uma Daral, Astt. Gr.II, attended a 3-day training programme on ‘Right to Information Act & Citizen Charter’ during 23-25 August, 2012.
- (viii) Dr. Debabrata Majumder, Scientist-D, attended a 5-day training programme on ‘Ethics &

5.3 Participation in National Training Programmes

- (i) Shri Ravinder Kumar, Manager (E&A), attended a 3-day training programme on ‘Account & Administration during 26-28 April, 2012.



- Values' during 1-5 October, 2012.
- (ix) Shri Deep Prakash, Accounts Officer and Ms. Jyotika Katyal, Astd. Gr. II, attended a 3-day training programme on 'FR/SR, cash a/cs, & budget management, pay fixation on MACP' during 7-9 November, 2012.
- (x) Shri Ajay Diwakar, Astd. Gr. II, attended a 3-day training programme on 'Effective Office Management' during 1-3 November, 2012.
- (xi) Shri Deep Prakash, Accounts Officer, attended a 3-day training programme on 'Accounts & Administration', during 6-8 December, 2012.
- (xii) Shri S. Aneesh, Astd. Gr. II, attended a 3-day training programme on 'Cash deduction at source, pay fixation on revision of pay on MACP service rules' during 6-8 December, 2012.
3. **'Evolution of EV Battery: Role of materials availability'**, Arghya Sardar and Sajid Mubashir, Auto Tech Review, Volume 1, Issue 5, May, 2012.
 4. **'Carbon Fibre Composites: Outlook for the Automotive Sector'**, Sajid Mubashir and Suresh Babu Muttana, Auto Tech Review (Springer India), Volume 1, Issue 6, June, 2012.
 5. **Certification of composite pipes for the oil & gas industry'**, Sangeeta Bakshi, Leena Modi, Subhash Chandra Lakkad, Soumitra Biswas and Jayraj Shah, JEC Magazine, Paris, June 2012
 6. **'High strength Aluminium Castings through Semisoild Forming'**, Sajid Mubashir, KSS Murthy, Suresh Babu Muttana and Pradip Dutta, AutoTech Review(Springer India), Volume 1, Issue 7, July, 2012.
 7. **'Industrial Enzymes : Technology Trends and Opportunities'**, Nirmala Kaushik and Soumitra Biswas, Chemical Business (Special Issue on Industrial Enzymes, vol. 26, no.7, July 2012)
 8. **'Natural gas-run vehicles : The near term potential in India'**, Sajid Mubashir and Arghya Sardar, Auto Tech Review, Volume1, Issue 9, September, 2012
 9. **'Natural Fibre Composites - Technology & Applications'**, Sangeeta Bakshi and Soumitra Biswas, presented & published in the proceedings of symposium on the Global Natural Fibres Forum (GNFF), Bangalore, September 25-27, 2012

5.4. Publications

1. **'Design Strategy for lightweight vehicles'**, Suresh Babu Muttana and Sajid Mubashir, Auto Tech Review (Springer India), Volume 1, Issue 4, April, 2012, pp:21-27.
2. **'Knowledge Chemicals - Technology trends and Opportunities: Focus on Pesticide Industry'**, Sangeeta Bakshi and Soumitra Biswas, Chemical Engineering World, Mumbai, April 2012

10. **‘Prospects of Solar Energy for Electric Mobility’**, Arghya Sardar and Sajid Mubashir, Auto Tech Review, Volume 1, Issue 10, October, 2012
11. **‘Biomass Availability Scenario in India: Gaps and Challenges’**, Nirmala Kaushik, presented at technical session of Indo-EU networking stakeholder meeting on biotechnological interventions in biomass and bio-waste availability for sustainable bio-economy organized by TERI, New Delhi, November 7, 2012
12. **‘Lifecycle Green House Gas Emissions from Conventional IC Engine Vehicles and Electric Vehicles: A Comparative Assessment in Indian Conditions’**, Arghya Sardar and Suresh Babu Muttana, Auto Tech Review (Springer India), December 2012.
13. **‘Light-weighting of passenger cars: A comparative lifecycle analysis of energy consumption and CO₂ emissions; SAE (Society of Automotive Engineers)**, Suresh Babu Muttana and Sajid Mubashir presented Technical Paper 2013-26-0072, 2013, doi:10.4271/2013-26-0072
14. **‘EV Lightweighting: Impact of Mass Optimum Drivetrain Sizing’**, Arghya Sardar and Suresh Babu Muttana, Auto Tech Review (Springer India), January 2013.
15. **‘Recent Developments in Bioenergy : Indian Experiences’**, Nirmala Kaushik and Soumitra Biswas, presented at the International Conference on New Horizons in Bioenergy Research (NHBR-2013), IIT-Kharagpur, January 15, 2013
16. **‘Tube Hydroforming Technology: Evolution and Future Potential’**, Suresh Babu Muttana and Arghya Sardar, Auto Tech Review (Springer India), March 2013.
17. **‘Composites Pipes in Oil & Gas Sector - Indian Scenario’**, Sangeeta Baksi and Soumitra Biswas, FRP Today, Chennai, Special Issue March, 2013



6 Infrastructure and Resources

6.1 National Knowledge Network

During the year, TIFAC established connectivity to the National Knowledge Network (NKN). The connectivity provides TIFAC a high-speed line for internet connectivity and other services offered by NKN. Interactions were continued with National Informatics Centre (NIC) for making use of other provisions in the NKN.

6.2 E-Resources

TIFAC continued subscribing to E-resources, including IEEE, Web of Science/ Web of Knowledge, Oxford University Press, Cambridge University Press, Emerald Extra and Web of Knowledge, during the year and online desktop computer access were made available to the scientists. The e-resources are subscribed through the National Knowledge Network Consortium (NKRC), a DST-CSIR joint consortium. TIFAC requested the NKRC additional subscription of Springer Link and Science Direct. Inputs were given to the consortium for access to a wider range of E-resources through the NKRC.

6.3 Implementation of Official Language Policy

The implementation of Official Language Policy under the guidance of Official Language Implementation Committee (OLIC) was continued. Efforts to implement the recommendations made by the Committee of Parliament on official

languages are being taken. Eight Hindi workshops were organized for the benefit of the employees. The Hindi Fortnight (Pakhwada) was organized in association with Department of Science & Technology (DST) in September 2012. TIFAC employees participated in nine different competitions and received certificates and cash prizes.

6.4 Library

In order to facilitate and foster the flow of the scientific/technical information, TIFAC Library continued to strengthen its holdings. The requirement, as per the changing needs of TIFAC scientists and users, were met by procuring scientific books/reports and journals/serials.

During the year, a total no. of 7 new scientific, technical books and reports, including publications in Hindi language, were procured, raising the total holding of TIFAC Library to 2,369. In addition, 27 scientific and technical journals and other magazines were being subscribed.

6.5 TIFAC Information Interfaces:

The Information Management Cell (IMC) continued maintaining the following websites:

- TIFAC
Website (<http://www.tifac.org.in>)
- Mission
REACH (<http://www.missionreach.org.in>)



The websites served as interfaces for servicing queries received by some users. The TIFAC site was visited by more than 5 lakh users. About

300 queries pertaining to various schemes of TIFAC and technology areas were received and serviced through the web-mail.



Auditor's Report

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

We have audited the attached Balance Sheet of TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL (TIFAC), NEW DELHI as at 31st March, 2013 and the statement of Income & Expenditure Account for the year ended on that date annexed thereto.

These financial statements are the responsibility of the management of the TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL (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 and comments given on significant accounting policies, contingent liabilities and notes on accounts as per schedules 32 & 33, we report that:-

- 1) We have obtained all the information and explanations 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 TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL (TIFAC), so far as appears from our examination of those books;
- 3) The Balance Sheet and statement of Income and Expenditure Account 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 and give a true and fair view:-
 - a) In case of Balance Sheet, of the state of affairs of the TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL (TIFAC) as at 31st March, 2013; and
 - b) In case of Income & Expenditure Account, of the excess of income over expenditure for the accounting year ended on that date.

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Ch. Chandra Sekhar Patro
(Partner)
MRN: 091529

Date : 25.09.2013
Place: New Delhi



TECHNOLOGY INFORMATION FORECASTING AND ASSESSMENT COUNCIL STATUTORY AUDIT FOR F/Y 2012-2013

AUDIT OBJECTIONS - AR 1

1. TIFAC has given financial assistance in the form of Technology Development Assistance (TDA) to various Companies, Partnership firms and other concerns for technology advancement and related objects. As per the TDA sanction document and agreement entered between TIFAC and the beneficiaries, the TDA amount will be repaid by the beneficiaries in installments at specified intervals and according to the terms of the agreement. We have observed that there are many cases where the TDA has not been repaid by the beneficiaries. The project-wise details of the overdue amount are as under:-

Project-wise overdue statement as on 31st March 2013

S. No.	Name of the Projects	Overdue upto Six months	Overdue from more then six months upto 3 years	Overdue more than 3 years	Total
1	Home Grown Technology	-	5,900,000.00	213,525,920.00	219,425,920.00
2	Advanced Composite Programme Project	6,084,500.00	38,333,417.00	84,705,075.00	129,122,992.00
3	Sugar Technology Unit	-	-	26,463,590.00	26,463,590.00
4	Fly Ash Utilization	-	20,000.00	13,034,000.00	13,054,000.00
5	Agriculture and Agro Food Sector	-	-	10,625,000.00	10,625,000.00
6	Health Care Equipment	-	-	-	-
7	Targeted Programme in other important Sectors	6,720,000.00	15,360,000.00	2,700,000.00	24,780,000.00
8	Textile Machinery	-	-	-	-
9	Road Construction and Transportation	-	-	-	-
	Total	12,804,500.00	59,613,417.00	351,053,585.00	423,471,502.00

It may also be noted that the above information has been extracted from the memoranda records only as these are not reflected in the accounts owing to the accounting policy being followed of treating the amounts disbursed as expenditure and amounts refunded as incomes. The total outstanding amounts of such repayments that have accumulated over the years have not been reflected in the financial statement of accounts.

2. As per Income Tax Act, 1961 tax is to be deducted either at the time of credit of such sum to the account of the payee, or at the time of payment thereof in cash or by issue of cheque or by any other mode, whichever is earlier. It was observed that TDS has been deducted on payment basis only i.e. at the time when payment has been made to parties.
3. TIFAC owns six floors in Viswakarma Bhawan, a building constructed on the IIT land. For the cleanliness of the building, TIFAC has given a contract for housekeeping of the six floors to M/s Pink Housekeeping. Out of the six



floors one floor is occupied by NMBA and another by MGA, both of which are being treated as separate accounting entities. It is observed that out of the expenditure incurred on housekeeping which has been borne entirely by TIFAC no allocation has been made to NMBA or MGA for the purposes of arriving at the appropriate utilization of funds in view of their distinct and separate funding. To this extent, the utilization of funds have been overstated in the case of TIFAC and understated in the cases of NMBA and MGA.

4. Similarly the expenses on account of electricity, security services, water and horticulture which has been reimbursed by TIFAC to IIT has not been allocated to NMBA and MGA and, therefore, to this extent, the utilization of funds have been overstated in the case of TIFAC and understated in the cases of NMBA and MGA.
5. TIFAC has granted TDA to various companies incorporated under the Companies Act in the past. But we have observed that the particular of the security which has been provided to TIFAC against the TDA given to various such companies has not been registered with Registrar of Companies in most of the cases. In the absence of registration of charge, the security furnished by the company would have no value.
6. **Observation related to Grant given under TREMAP TCF at VIT -TBI, Vellore**

Grant released during the year = Rs. 11 Lacs

Term of the agreement between TIFAC and TCF (Technology Commercialization Facilitator) VIT Vellore expired on 31st October 2012, but the same agreement has been extended with the beneficiary on e-mail confirmation. Facts relating to the same are here under:

First e-mail has been sent from TIFAC to VIT Vellore on 31st October 2012 saying

"As you would be aware that the term of agreement between TIFAC and respective TCF at you institute is getting over today (31st October 2012)

It is to inform you that it has been decided to extend the agreement with following six TFCs on the same terms and conditions as per the existing agreement with respective TCF till 31st March 2013 on pro-rata basis:

MSRSAS, Bangalore
MCIE, IT-BHU, Varanasi
VIT, Vellore
CTAE, Udaipur
KIIT, Bhubaneswar
Technopark, Trivandrum

You are requested to kindly convey your consent to the same to enable us to process the release of requisite funds to your TCF."

Reply on e-mail has been sent from VIT, Vellore to TIFAC on 3rd November 2012 saying

"Thanks for your mail related to the extension of TCF till 31st March 2013. Hereby we confirm our consent to continue functioning as TCF"

Again the same agreement has been extended to 30th June 2013 on e-mail:

Agreement should be extended through document in writing, so as to bind the party for the terms, rights & obligations mentioned in the agreement.

Utilization Certificate & Statement of Expenditure received from VIT, Vellore were undated: Undated UC & Statement of expenditure has no relevance and cannot be checked whether it has been received before the release of next installment or not.

7. Observation related to Grant given under TREMAP TCF at Technopark-TBI, Trivandrum

Grant released during the year = Rs. 4,86,018/-

Agreement has been entered between TIFAC & Technopark-TBI, Trivandrum to implement its programme TREMAP and for this TIFAC will give financial support of Rs. 12 lacs to TBI, Trivandrum in two installments.

Validity of the agreement: 1st November 2011 to 31st October 2012

Agreement executed on Stamp paper dated 16th February 2012

Agreement signed on 16th November 2012

Points to be noted in this agreement:

- a) Agreement has been signed on 16.11.2012 after the expiration of validity period (1.11.2011 to 31.10.2012) of an agreement for which it has been executed, which is not correct.
 - b) Even the stamp paper on which agreement has been executed was dated 16.02.2012, which is four and half months later than the start period of the agreement i.e. 1.11.2011.
8. A sum of Rs. 6,88,192/- has been paid and booked as expense during the current year while these expenses relates to previous financial years for which no provision had been made in those previous years. Hence the surplus for the current financial year has been reduced to the extent of Rs. 6,88,192/- on account of expenditure pertaining to the previous years.
9. TIFAC earmarked Rs.4.5 crore separately from its Current Year income to be released to SIDBI with an opening balance of Rs.9.5 crore, for giving TDA out of the funds so received to organizations identified by SIDBI. Rs. 4.5 crore earmarked for SIDBI is shown as expenditure during the current year and added to the Corpus of TIFAC. As and when this amount is released it will be deducted from Corpus and paid through Bank. Since this earmarked fund of Rs. 4.5 crore has not been actually released during the current year to SIDBI the expenditure of the current year stands overstated to the extent of Rs. 4.5 crore. Such practice also needs to be examined from the point of view of its treatment under the Income-tax Act. The treatment under the Income-tax Act need also to be examined in the case unspent amount of grants received during the year which is transferred to Corpus/Capital Fund as at the end of the year.
10. As per the information provided to us TIFAC deducts certain amounts at the rate prescribed under the Central Government Health Scheme from the salary of its employees as monthly contribution towards health insurance policy to be taken out by TIFAC from an insurance company. The accumulated amount has to be utilized for the post retirement medical benefits of TIFAC employees. As on 31st March 2013 this accumulated amount stands under the head Current Liabilities at Rs.12,01,800/- against which no policy has been taken so far from any Insurance Company. Hence, there may be a contingent liability for TIFAC which is unascertained over and above the accumulated amount.



TECHNOLOGY INFORMATION, FORECASTING & ASSESSMENT COUNCIL

Replies to Audit queries “Annexure AR 1”

1. The cases of non-recovery of Technology Development Assistance are being vigorously monitored and pursued with the Companies. Legal action as per provisions of Agreements has been initiated in a number of cases.
2. TDS is deducted from the parties bill at the time of payment and the tax is deposited within 7 days.
- 3 & 4 As all six floors are owned by TIFAC and cleanliness of the building is the responsibility of TIFAC and housekeeping contract is called for the maintenance of the building by TIFAC and Electricity, Security Services, Water and Horticulture are also the responsibility of TIFAC and as NMBA and MGA are part of TIFAC there is no need for allocation of expenditure even though their accounting is separately maintained.
5. This point will be looked into and concerned divisions will be notified for taking necessary action.
6. The Agreements have been extended through email and the confirmations have also been received through email considering the email as a valid medium of communication and is enforceable in Court of Law. Regarding mentioning of date on SE/UC, it is submitted that a period of the SE/UC is always mentioned on it and date of submission is reflected in the converging letter. However, it would be taken care for compliance in future.
7. Regarding date of signing of the Agreement, it is to submit that there seems to be some misprint in writing the date as actual date of signing was not 16th November, 2012 it should be before 24th April, 2012 (date when the note for release of first installment was moved). This would be taken care for future compliance. However, there was some delay in procuring the stamp paper & signing the agreement from Technopark's side. Efforts would be made to avoid such delays in future.
8. The point has been noted for future compliance.
9. The TIFAC-SIDBI Fund set up in Dec 2010 with Core of Rs.30 Crores is to be recouped by releases to SIDBI by TIFAC towards technology development /commercialization projects through recoveries from Technology Development Assistance funded by TIFAC. Repayments received in this financial year to the extent of Rs.4.50 crores is earmarked and taken in expenditure. Disbursement of funds would be done on the recommendations of Project Approval Committee as per the agreement.
10. Medical Scheme is extended to TIFAC staff / officers on the basis of CGHS Scheme of Central Government as in other organizations for which a nominal amount is deducted from their salary. This amount of Rs.12,01,800/- will be treated as income to TIFAC. A proper approval from the competent authority will be taken to transfer the amount of Rs.12,01,800/- from Current Liabilities and Provisions to Income from Sales / Services (Schedule 12).



Technology Information Forecasting And Assessment Council, (TIFAC) Balance Sheet as on 31.03.2013

(Amount Rs.)

	Schedule	Current Year	Previous Year
CORPUS / CAPITAL FUND AND LIABILITIES			
Corpus / Capital Fund (Under TIFAC Main Account)	Schedule 1	347,606,259.99	235,334,304.64
Corpus/Capital Fund (Under PFC New Account)	Schedule 1	9,561,245.84	
Corpus/Capital Fund (Under SFWS New Account)	Schedule 1	1,025,599.00	
Reserves and Surplus	Schedule 2	-	-
Earmarked / Endowment Funds	Schedule 3	-	-
Secured Loans and Borrowings	Schedule 4	-	-
Unsecured Loans and Borrowings	Schedule 5	-	-
Deferred Credit Liabilities	Schedule 6	-	-
Current Liabilities and Provisions	Schedule 7	56,017,813.99	36,654,922.99
Total		414,210,918.82	271,989,227.63
Assets			
Fixed Assets (Net)	Schedule 8	81,984,481.95	90,927,811.81
Investments-From Earmarked / Endowment Funds	Schedule 9	-	-
Investments-Others	Schedule 10	-	-
Current Assets, Loans, Advances etc.	Schedule 11	332,226,436.87	181,061,415.82
Miscellaneous Expenditure (to the extent not written off or adjusted)			
Total		414,210,918.82	271,989,227.63
Significant Accounting Policies and Notes on Accounts	Schedule 32		
Contingent Liabilities	Schedule 33		

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

Sd/-
Account Office
TIFAC

Sd/-
Registrar
TIFAC

Sd/-
Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



**Technology Information Forecasting And Assessment Council, (TIFAC)
Income & Expenditure Account for the Year Ended 31.03.2013**

(Amount Rs.)

Income	Schedule	Current Year	Previous Year
Income from Sales / Services	Schedule 12	-	-
Grants / Subsidies	Schedule 13	205,750,000.00	185,310,000.00
Fees / Subscriptions	Schedule 14	9,778.00	3,549.00
Income from Investments	Schedule 15	-	-
Income from Royalty, Publication etc	Schedule 16	105,778.00	159,140.00
Interest Earned	Schedule 17	15,692,182.00	8,301,408.00
Other Income	Schedule 18	143,699.00	397,809.44
Increased/(Decrease) in stock of Finished Goods and Works-in-Progress	Schedule 19	-	-
Refund from Projects	Schedule 20	45,933,449.24	45,451,377.00
Total (A)		267,634,886.24	239,623,283.44
Expenditure			
Establishment & Other Administrative Expenses	Schedule 21	79,908,224.71	75,653,219.19
Expenditure on Grant, Subsidies etc	Schedule 22	106,602,008.00	130,451,757.50
Interest	Schedule 23	-	-
Depreciation (Net Total at the Year end)	Schedule 8	9,584,578.86	10,804,520.82
Total (B)		196,094,811.57	216,909,497.51
Balance being excess of Income over Expenditure (A-B)		71,540,074.67	22,713,785.93
Balance being excess of Expenditure over Income (A-B)			
Transfer to Special Reserve (Specify each)			
Transfer to / from General Reserve			
Balance Being Surplus (Deficit) carried to Corpus/ Capital Fund		71,540,074.67	22,713,785.93
Significant Accounting Policies & Notes on Accounts	Schedule 32		
Contingent Liabilities	Schedule 33		

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

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Account Office
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Registrar
TIFAC

Sd/-
Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



**Technology Information Forecasting And Assessment Council, (TIFAC)
Patent Facilitating Centre (Under TIFAC Main Account)
Income & Expenditure Account for the Year (01.04.2012 to 25.10.2012)**

(Amount Rs.)

Income	Schedule	Current Year	Previous Year
Grants / Subsidies	Schedule 24	-	15,000,000.00
Interest Earned	Schedule 25	308.00	308.00
Other Income	Schedule 26	7,500.00	57,774.00
Refund from Projects			
Total (A)		7,808.00	15,058,082.00
Expenditure			
Establishment Expenditure / Administrative Expenditure	Schedule 27	5,331,339.00	7,889,006.00
Project Expenditure	Schedule 28	170,826.00	2,147,799.00
Total (B)		5,502,165.00	10,036,805.00
Balance being excess of Income over Expenditure (A-B)		(5,494,357.00)	5,021,277.00
Balance being excess of Expenditure over Income (A-B)			
Balance being Surplus/Deficit transferred to Corpus/ Capital Fund		(5,494,357.00)	5,021,277.00

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

Sd/-
Account Office
TIFAC

Sd/-
Registrar
TIFAC

Sd/-
Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



Technology Information Forecasting And Assessment Council, (TIFAC)
Patent Facilitating Centre (Under PFC New Account)
Income & Expenditure Account for the Year (26.10.2012 to 31.03.2013)

(Amount Rs.)

Income	Schedule	Current Year	Previous Year
Grants / Subsidies	Schedule 24	15,000,000.00	-
Interest Earned	Schedule 25	174,510.52	-
Other Income	Schedule 26	8,500.00	-
Refund from Projects			
Total (A)		15,183,010.52	-
Expenditure			
Establishment Expenditure / Administrative Expenditure	Schedule 27	5,316,389.00	-
Project Expenditure	Schedule 28	343,869.00	-
Total (B)		5,660,258.00	-
Balance being excess of Income over Expenditure (A-B)		9,522,752.52	-
Balance being excess of Expenditure over Income (A-B)			
Balance being Surplus/Deficit transferred to Corpus / Capital Fund		9,522,752.52	-

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
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Membership No.091529

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Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



**Technology Information Forecasting And Assessment Council, (TIFAC)
Scholarship for Women Scientists (Under TIFAC Main Account)
Income & Expenditure Account for the Year (01.04.2012 to 25.10.2012)**

(Amount Rs.)

Income	Schedule	Current Year	Previous Year
Grants / Subsidies	Schedule 29	10,000,000.00	-
Other Income	Schedule 30	-	-
Refund from Projects			
Total (A)		10,000,000.00	-
Expenditure			
Expenditure	Schedule 31	3,855,525.00	1,545,837.00
Total (B)		3,855,525.00	1,545,837.00
Balance being excess of Income over Expenditure (A-B)		6,144,475.00	-
Balance being excess of Expenditure over Income (A-B)		-	1,545,837.00
Balance being Surplus/Deficit transferred to Corpus / Capital Fund		6,144,475.00	1,545,837.00

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

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Registrar
TIFAC

Sd/-
Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



Technology Information Forecasting And Assessment Council, (TIFAC)
Scholarship for Women Scientists
(Under Scholarship for Women Scientist New Account)
Income & Expenditure Account for the Year (26.10.2012 to 31.03.2013)

(Amount Rs.)

Income	Schedule	Current Year	Previous Year
Grants / Subsidies	Schedule 29	-	-
Other Income (Interest Earned)	Schedule 30	70,237.00	-
Refund from Projects			
Total (A)		70,237.00	-
Expenditure			
Expenditure	Schedule 31	3,924,382.00	-
Total (B)		3,924,382.00	-
Balance being excess of Income over Expenditure (A-B)			
Balance being excess of Expenditure over Income (A-B)		3,854,145.00	-
Balance being Surplus/Deficit transferred to Corpus/ Capital Fund		3,854,145.00	-

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
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Registrar
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Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi

Technology Information Forecasting And Assessment Council, (TIFAC) Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 1 - Corpus / Capital Fund

	TIFAC Main Account and Schemes under TIFAC						Transferring to their respective New Accounts	
	TIFAC	Patent Facilitating Centre	Scholarship for Women Scientists	Current Year	Previous Year	Patent Facilitating Center (New Account)	Scholarship for Women Scientists (New Account)	
Opening Balance	136,066,185.32	5,532,850.32	(1,264,731.00)	140,334,304.64	114,145,078.71	-	-	
Opening Balance related to SIDBI Earmarked for Release (Revolving Fund)	95,000,000.00	-	-	95,000,000.00	50,000,000.00	-	-	
Earmarked for Release to SIDBI (Revolving Fund)	45,000,000.00	-	-	45,000,000.00	45,000,000.00	-	-	
Amount Transferred from TIFAC account to PFC & SFWS New Account	-	-	-	-	-	38,493.32	4,879,744.00	
Excess of Income over Expenditure	71,540,074.67	-	6,144,475.00	77,684,549.67	27,735,062.93	9,522,752.52	-	
Year Adjustments	-	-	-	-	-	-	-	
Total	347,606,259.99	5,532,850.32	4,879,744.00	358,018,854.31	236,880,141.64	9,561,245.84	4,879,744.00	
Excess of Expenditure over Income	-	5,494,357.00	-	5,494,357.00	1,545,837.00	-	3,854,145.00	
Amount transferred to PFC & SFWS New Account	-	38,493.32	4,879,744.00	4,918,237.32	-	-	-	
Total	-	5,532,850.32	4,879,744.00	10,412,594.32	1,545,837.00	-	3,854,145.00	
Closing Balance	347,606,259.99	-	-	347,606,259.99	235,334,304.64	9,561,245.84	1,025,599.00	



**Technology Information Forecasting And Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

Schedule 2 - Reserve and Surplus

(Amount Rs.)

	Current Year	Previous Year
1. Capital 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
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 And Assessment Council, (TIFAC) Schedules Forming Part of Balance Sheet as at 31.03.2013

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)	0.00	0.00
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
Other Additions (Specify)	0.00	0.00
ii) Revenue Expenditure		
Salary, Wages and allowance etc	0.00	0.00
Rent	0.00	0.00
Other Administrative Expenditure	0.00	0.00
Total c)	0.00	0.00
Net Balance as at the year end (a+b+c)	0.00	0.00

Note : 1 Disclosures shall be made under relevant heads based on conditions attached to the Grants

Note : 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 31.03.2013

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 dues	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 31.03.2013

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		
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 Deposites		
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 31.03.2013

Schedule 7 - Current Liabilities And Provisions

(Amount Rs.)

	Current Year	Previous Year
A) Current Liabilities		
1. Acceptances	-	-
2. Sundry Creditors : a) For Goods		
b) Others- M/s Daikin Airconditioning India Pvt. Ltd	152,527.00	157,294.00
M/s Blue Star Ltd	165,956.00	-
Patent Facilitating Centre	6,000.00	-
M/s Unique Interiors, New Delhi	191,075.00	-
India International Centre	325,854.00	-
3. Advances Received	-	-
4. Interest accrued but not due on :		
a) Secured Loans / Borrowings	-	-
b) UnSecured Loans / Borrowings	-	-
5. Statutory Liabilities		
a) Over Due	-	-
b) Others : TDS Payable (Sub Total (B) (Under TIFAC Account)of Annexure -12)	306,097.00	201,512.00
TDS Payable (Sub Total (B) (Under PFC New Account) of (Annexure -12)	107,231.00	-
TDS Payable (Sub Total (B) (Under SFWS New Account) of (Annexure -12)	4,718.00	-
6. Other Current Liabilities		
Salary Payable (Prof. Ganapathy)	1,800.00	1,800.00
Stale Cheque	2,278,879.06	2,206,790.06
IIT-TIFAC Maintenance (Provisions)	13,162,041.00	-
Expenses Payable (Sub Total (A) (Under TIFAC Account)of Annexure - 12)	5,955,719.00	3,525,114.00
Expenses Payable (Sub Total (A) (Under PFC New Account)of Annexure - 12)	1,361,189.00	-
Expenses Payable (Sub Total (A) (Under SFWS New Account)of Annexure-12)	1,149,744.00	-
Project ICOSER	13,202,152.00	13,202,152.00
Indian Myanmar S&T Friendship library in yangon	959,659.00	959,659.00
MSEB-Ash Utilization / Management	600,094.00	600,094.00
FAM Large Scale Stowing of HWP Pond Ash into the Underground Mines of SCCL (M) Manugure	8,294,830.00	8,294,830.00
Earth Quake Serving Nature's Fury	165,157.00	165,157.00
Total (i)	48,390,722.06	29,314,402.06



(Amount Rs.)

	Current Year	Previous Year
DRDO-PFC	395,745.00	395,745.00
CPF (Under TIFAC Account)	294,991.00	294,811.00
CPF (Under PFC New Account)	24,700.00	-
GSLCS (Under PFC New Account)	346.00	-
MPSEB use of Fly Ash in Agriculture Development Thermal Power Plants, Sarni	356,825.00	356,825.00
Medical Scheme (Under TIFAC Account)	1,192,550.00	944,950.00
Medical Scheme (Under PFC New Account)	9,250.00	-
M/S Sonu Printing Press	-	60,784.00
Training Programme on IPR and WTO Issues for Scientists/ Technologists Working in Government Sector.	202,549.00	147,452.00
TIFAC-World Bank Project	1,339,747.93	1,339,747.93
7. Security Deposit		
Earnest Money : M/s Nimbus Harbour Pvt Ltd	20,000.00	20,000.00
Earnest Money : M/s Pink House Keeping	18,784.00	
Earnest Money from Sugar Factories (Annex 13)	3,600,000.00	3,600,000.00
Earnest Money : M/s Sansanwal Travels	50,000.00	60,000.00
Earnest Money : M/s Yatrika Travels	50,000.00	60,000.00
Security Deposite : M/s Pink House Keeping	71,604.00	60,206.00
Total (ii)	7,627,091.93	7,340,520.93
Total (i)+ (ii) = (A)	56,017,813.99	36,654,922.99
B. Provision		
1. For Taxation	-	-
2. Gratuity	-	-
3. Superannuation / Pension	-	-
4. Accumulated Leave Encashment	-	-
5. Trade Warranties / Claims	-	-
6. Others (Specify)	-	-
Total (B)	-	-
Total (A+B)	56,017,813.99	36,654,922.99



**Technology Information Forecasting And Assessment Council, (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

Schedule 8-Fixed Assets

Amount – Rs)

	GROSS BLOCK					DEPRECIATION			NET BLOCK	
	Rate of Depreciation	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 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	
1. LAND		-	-	-	0.00	-	-	-	-	-
a) Freehold		-	-	-	0.00	-	-	-	-	-
b) Leasehold		-	-	-	0.00	-	-	-	-	-
2. BUILDING		-	-	-	0.00	-	-	-	-	-
a) On Freehold Land		-	-	-	0.00	-	-	-	-	-
b) On Leasehold Land		-	-	-	0.00	-	-	-	-	-
c) Ownership Flats/Premises		-	-	-	0.00	-	-	-	-	-
d) Superstructures on Land not belonging to the entity	10%	117,850,000.00	-	-	117850000.00	67,119,439.31	5,073,056.07	72,192,495.38	45,657,504.62	50,730,560.69
e) Interior work of TIFAC Building	10%	52,025,557.00	416,564.00	-	52442121.00	17,464,017.82	3,481,172.47	20,945,190.29	31,496,930.71	34,561,539.18
3. PLANT MACHINERY & EQUIPMENT : Fire Alarm System at TIFAC Building & Fire Extinguishers	15%	1,050,258.00	-	-	1050258.00	370,270.38	101,998.14	472,268.52	577,989.48	679,987.62
4. VEHICLES		-	-	-	0.00	-	-	-	-	-
5. FURNITURE & FIXTURES	10%	1,792,852.60	-	-	1792852.60	1,352,449.81	44,040.28	1,396,490.09	396,362.51	440,402.79
6. OFFICE EQUIPMENT	15%	22,741,376.58	-	-	22741376.58	18,509,347.86	634,804.31	19,144,152.17	3,597,224.41	4,232,028.72
7. COMPUTER/PERIPHERALS	60%	5,823,697.28	211,923.00	-	6035620.28	5,540,404.47	238,277.59	5,778,682.06	256,938.22	283,292.81
8. ELECTRIC INSTALLATIONS		-	-	-	0.00	-	-	-	-	-
9. LIBRARY BOOKS	100%	5,501,013.55	12,762.00	-	5513775.55	5,501,013.55	11,230.00	5,512,243.55	1,532.00	-
10. TUBEWELL & W.SUPPLY		-	-	-	0.00	-	-	-	-	-
11. OTHER FIXED ASSETS		-	-	-	0.00	-	-	-	-	-
A. TOTAL OF CURRENT YEAR		206,784,755.01	641,249.00	-	207,426,004.01	115,856,943.20	9,584,578.86	125,441,522.05	81,984,481.95	90,927,811.81
PREVIOUS YEAR		205,948,695.01	873,104.00	37,044.00	206,784,755.01	105,052,422.38	10,804,520.82	115,856,943.20	90,927,811.81	100,896,272.63
B. CAPITAL WORK IN PROGRESS		-	-	-	-	-	-	-	-	-



Technology Information Forecasting And Assessment Council, (TIFAC) (Regular)
Schedules Forming Part of Balance Sheet as at 31.03.2013

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 31.03.2013**

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		
Finished Goods	-	-
Work-in-Progress	-	-
Raw Material	-	-
2. Sundry Debtors :		
a) Debts outstanding for a period exceeding six months	-	-
b) others	-	-
3. Cash Balances in Hand (including Cheques / Drafts and Imprest) (Under TIFAC Account)	3,677.00	3,681.00
Cash Balances in Hand (including Cheques / Drafts and Imprest) (Under PFC New Account)	439.00	-
Cash Balances in Hand (including Cheques / Drafts and Imprest) (Under SFWA New Account)	5,839.00	-
4. Bank Balances :		
a) With Scheduled Banks : (Union Bank of India)		
On Current Accounts	-	-
On Deposit Accounts (Short Term Deposites) (Annex-11)	130,500,000.00	65,500,000.00
Accrued Interest (Accrued Interest) (Annexure 11)	13,588,555.00	4,358,718.00
On Savings Accounts (Under TIFAC Account)	171,766,782.83	102,786,894.27
On Savings Accounts (Under PFC New Account)	10,887,788.32	-
On Savings Accounts (Under SFWA New Account)	2,148,598.00	-172,645,612.27
b) With non-Scheduled Banks :		
On Current Accounts	-	-
On Deposit Accounts	-	-
On Savings Accounts	-	-
5. Post Office - Savings Accounts	-	-
Total (A)	328,901,679.15	172,649,293.27

(Amount Rs.)

	Current Year		Previous Year	
B) Loans, Advances and Other Assets :-				
1. Loans:				
a) Staff Loan (Under TIFAC Account) (Annex-1)	2,165,708.00		2,438,867.00	
Staff Loan (Under PFC New Account) (Annex-1)	87,125.00			
Staff Loan (Under SFWS New Account) (Annex-1)	4,000.00			
b) Other entities engaged in activities/objectives similar to that	-		-	
c) Others	-		-	
2. Advances and other amounts recoverable in cash or in kind or for value to be received:				
a) On Capital Account	-		-	
b) Prepayments				
Advance : Franking Machine	1,108.00		6,691.00	
Advance : Sardar Patel Institute of Economic and Social Research, Ahmadabad	-		-	
Advance : DAVP	41,554.00		41,554.00	
Advance : India Habitat Centre	2,018.65		-	
Advance : Acharya Vinaba Bhave Rural Hospital, Sawangi	150,000.00		150,000.00	
Advance : IIT-Delhi	-	194,680.65	-	198,245.00
c) Others				
SAIL NMPP	19,736.55		19,736.55	
Sundry Debtor : DST (IITF)	270,000.00		270,000.00	
Security Deposit Lease Accommodation	9,500.00		9,500.00	
Security Deposit MTNL	31,937.00		43,937.00	
Security Deposit Tata Teleservices Ltd	16,000.00		16,000.00	
Security Deposit : DST (IITF)	74,520.00		74,520.00	
Leave Encashment Receivable (Shambhu Kumar) (Under PFC New Account)	10,721.00	432,414.55	-	433,693.55
Total (i)	2,883,928.20		3,070,805.55	



(Amount Rs.)

	Current Year	Previous Year
3. Income Accrued:		
a) On Investments from Earmarked/ Endowment Funds		-
b) On Investment – Others		-
c) On Loans and Advances		-
d) Others		
Interest Accrued from Union Bank of India (Under PFC New Account)	77,888.52	-
Interest Accrued from Union Bank of India (Under SFWS New Account)	21,624.00	
4. Claim Receivable		
TDS :CPF (FDR) UBI,SDA	321,591.00	321,591.00
TDS (FDR) Sarita Vihar, New Delhi	19,726.00	19,726.00
Income Tax for the F.Y 2004-2005	341,317.00	5,000,000.00
		5,341,317.00
Total (ii)	440,829.52	5,341,317.00
Total (i) +(ii) = (B)	3,324,757.72	8,412,122.55
Total (A) + (B)	332,226,436.87	181,061,415.82



Technology Information Forecasting And Assessment Council, (TIFAC) (Regular) Schedules Forming Part of Income & Expenditure as at 31.03.2013

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 Row 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 Brokerages	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
1. From Central Government		
TIFAC Grant		
a) Grants in Aid (Plan)	150,000,000.00	139,710,000.00
b) Grant in Aid (Non-Plan)	450,000.00	600,000.00
c) Grant in Aid (Plan) Capital Assets	3,500,000.00	45,000,000.00
d) Grant in Aid (Salary)	44,500,000.00	-
e) Grant in Aid (Salary) Scheduled Castes	7,300,000.00	-
2. State Government(s)	0.00	0.00
3. Government Agencies	0.00	0.00
4. Institutions Organisations	0.00	0.00
5. International Organisations	0.00	0.00
6. Other (Specify)	0.00	0.00
Total	205,750,000.00	185,310,000.00



**Technology Information Forecasting And Assessment Council, (TIFAC) (Regular)
Schedules Forming Part of Income & Expenditure as at 31.03.2013**

Schedule 14 - Fees / Subscriptions

(Amount Rs.)

	Current Year	Previous Year
1. Entrance Fees	-	-
2. Annual Fees / Subscriptions	-	-
3. Seminar / Program Fees	-	-
4. Consultancy Fee	-	-
5. Others (Specify)	-	-
RTIA Questions	1,528.00	1,049.00
Tender for Car Hiring	-	2,500.00
Tender for Printing of Various Stationery Items	2,500.00	-
Tender for Empanelment of Caterer	1,250.00	-
Tender for Empanelment of Advertisement Agencies	4,500.00	-
Total	9,778.00	3,549.00

Schedule 15 - Income From Investments (Income on Invest. From Earmarked/Endowment Funds transferred to Funds)

(Amount Rs.)

	Investment from Earmarked Funds		Investment from Earmarked Funds	
	Current Year		Previous Year	
1. Interest				
a) On Govt. Securities	0.00	0.00	0.00	0.00
b) Other Bonds/Debentures	0.00	0.00	0.00	0.00
2. Dividends				
a) On shares	0.00	0.00	0.00	0.00
b) On Mutual Fund Securities	0.00	0.00	0.00	0.00
3. Rents				
4. Others (Specify)	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00



Technology Information Forecasting And Assessment Council, (TIFAC) (Regular) Schedules Forming Part of Income & Expenditure as at 31.03.2013

Schedule 16 - Income from Royalty, Publication Etc.

(Amount Rs.)

	Current Year	Previous Year
1) Income from Royalty	-	
2) Income from Publications	105,778.00	159,140.00
3) Other (Specify)	-	
Total	105,778.00	159,140.00

Schedule 17 - Interest Earned (Regular)

(Amount Rs.)

	Current Year	Previous Year
1. On Term Deposits		
a) With Scheduled Banks	9,229,837.00	4,358,718.00
b) With Non-Scheduled Banks		-
c) With Institutions		-
d) Others		-
2. On Savings Accounts		
a) With Scheduled Banks	5,527,535.00	3,775,695.00
b) With Non-Scheduled Banks		-
c) Post Office Savings Accounts		-
d) Others (Project Interest)		-
3. On Loans :		
a) Employees / Staff (LTA, Scooter ,Car, tour and LTC)	59,810.00	13,803.00
b) Others (Interest from Income Tax)	875,000.00	
House Building Advance		153,192.00
4. Interest on Debtors and Other Receivables		-
Total	15,692,182.00	8,301,408.00
Note : Tax deducted at source to be indicated		



**Technology Information Forecasting And Assessment Council, (TIFAC) (Regular)
Schedules Forming Part of Income & Expenditure as at 31.03.2013**

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	-	-
4. Miscellaneous Income		
Other Receipts (Computers)	-	-
Bank Charges	-	5,176.44
Other Receipts	143,699.00	392,633.00
Leave Salary & Pension Contribution	-	-
Total	143,699.00	397,809.44

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
Total	0.00	0.00



Technology Information Forecasting And Assessment Council, (TIFAC) (Regular) Schedules Forming Part of Income & Expenditure as at 31.03.2013

Schedule 20 - Refund from Projects, (TIFAC Regular Account)

(Amount Rs.)

	Current Year	Previous Year
Home Grown Technology (Annex-2)	2,571,000.00	4,605,000.00
Advanced Composites Programme (Annex-2)	20,679,723.00	20,945,700.00
Sugar Technology Mission (Annex-2)	8,300,000.00	8,300,000.00
TePP Project (Annex-2)	-	71,529.00
Fly Ash Utilisation Programme (Annex-2)	30,000.00	50,000.00
Refund from Projects (Vision 2020) (Annex 2)	14,352,726.24	11,479,148.00
Total	45,933,449.24	45,451,377.00

Schedule 21 - Establishment & Other Administrative Expenses

(Amount Rs.)

	Current Year	Previous Year
Establishment Expenditure (TIFAC Regular) (Annex 3)	42,690,254.00	44,872,887.00
Administrative Expenses (TIFAC Regular) (Annex 4)	24,401,985.71	20,410,475.19
Establishment & Administrative Expenditure (Vision 2020)(Annex-6)	12,815,985.00	10,369,857.00
Total	79,908,224.71	75,653,219.19

Schedule 22 - Expenditure on Grants, Subsidies Etc

(Amount Rs.)

	Current Year	Previous Year
Grants given to Institutions/Organisations		
Project Expenditure (TIFAC Regular) (Annex - 5)	88,041,093.00	90,361,311.50
Project Expenditure (Vision 2020)(Annex-6A)	12,483,904.00	36,667,277.00
Project Expenditure (Vision 2035) (Annex-7)	6,077,011.00	3,423,169.00
Total	106,602,008.00	130,451,757.50



**Technology Information Forecasting And Assessment Council, (TIFAC) (Regular)
Schedules Forming Part of Income & Expenditure as at 31.03.2013**

Schedule 23 - Interest

(Amount Rs.)

	Current Year	Previous Year
On Fixed Loans (Including Bank Charges)	0.00	0.00
On Other Loans (Including Bank Charges)	0.00	0.00
c) Others (Specify)	0.00	0.00
Total	0.00	0.00



**Technology Information Forecasting And Assessment Council, (TIFAC)
Patent Facilitating Centre
Schedules Forming Part of Income & Expenditure for the year ended 31.03.2013**

Schedule 24 - Grants / Subsidies (Patent Facilitating Centre) (Irrevocable Grants & Subsidies Received)

(Amount Rs.)

	Current Year	Previous Year
Grant Received under TIFAC Account Period (01.04.2012 to 25.10.2012)		
1. From Central Government		
2. Patent Facilitating Centre Grants		
a) Grants in Aid (Plan)	-	15,000,000.00
b) Grant in Aid (Non-Plan)	-	-
3. State Government(s)	-	-
4. Government Agencies	-	-
5. Institutions Organisations	-	-
6. International Organisations	-	-
7. Other (Specify)	-	-
Total	-	15,000,000.00
Grant Received under PFC New Account Period (26.10.2012 to 31.03.2013)		
1. From Central Government		
2. Patent Facilitating Centre Grants		
a) Grants in Aid (Plan)	15,000,000.00	-
b) Grant in Aid (Non-Plan)	-	-
3. State Governmetn(s)	-	-
4. Governmetn Agencies	-	-
5. Institutions Organisatins	-	-
6. International Organisations	-	-
7. Other (Specify)	-	-
Total	15,000,000.00	-



**Technology Information Forecasting And Assessment Council, (TIFAC)
Patent Facilitating Centre
Schedules Forming Part of Income & Expenditure for the year ended 31.03.2013**

Schedule 25 - Interest Earned (Patent Facilitating Centre)

(Amount Rs.)

	Current Year	Previous Year
Interest Earned under TIFAC Account Period (01.04.2012 to 25.10.2012)		
1. On Term Deposits		
a) With Scheduled Banks	-	-
b) With Non-Scheduled Banks	-	-
c) With Institutions	-	-
d) Others (Interest : Scooter, LTA & Car)	308.00	308.00
Total	308.00	308.00
Interest Earned under PFC New Account Period (26.10.2012 to 31.03.2013)		
1. On Term Deposits		
a) With Scheduled Banks	174,290.52	-
b) With Non-Scheduled Banks	-	-
c) With Institutions	-	-
d) Others (Interest : Scooter, LTA & Car)	220.00	-
Total	174,510.52	-

Schedule 26 - Other Income (Patent Facilitating Centre)

(Amount Rs.)

Particulars	Current Year	Previous Year
Other Income under TIFAC Account Period (01.04.2012 to 25.10.2012)		
Other Income (Annex-8)	7,500.00	57,774.00
Total	7,500.00	57,774.00
Other Income under PFC New Account Period (26.10.2012 to 31.03.2013)		
Other Income (Annex-8)	8,500.00	-
Total	8,500.00	-

**Technology Information Forecasting And Assessment Council, (TIFAC)
Patent Facilitating Centre
Schedules Forming Part of Income & Expenditure for the year ended 31.03.2013**

Schedule 27 - Establishment & Administrative Expenditure (PFC)

(Amount Rs.)

Particulars	Current Year	Previous Year
Establishment & Administrative Expenditure under TIFAC Account Period (01.04.2012 to 25.10.2012)		
Establishment & Administrative Expenditure (Annex-9)	5,331,339.00	7,889,006.00
Total	5,331,339.00	7,889,006.00
Establishment & Administrative Expenditure under PFC New Account Period (26.10.2012 to 31.03.2013)		
Establishment & Administrative Expenditure (Annex-9)	5,316,389.00	-
Total	5,316,389.00	-

Schedule 28- Project Expenditure (PFC)

(Amount Rs.)

	Current Year	Previous Year
Project Expenditure Under TIFAC Account Period (01.04.2012 to 25.10.2012)		
Project Expenditure (Annex-10)	170,826.00	2,147,799.00
Total	170,826.00	2,147,799.00
Project Expenditure under PFC New Account Period (26.10.2013 to 31.03.2013)		
Project Expenditure (Annex-10)	343,869.00	-
Total	343,869.00	-



**Technology Information Forecasting And Assessment Council, (TIFAC)
Scholarship For Women Scientists
Schedules Forming Part of Income & Expenditure for the year ended 31.03.2013**

Schedule 29 - Grants / Subsidies (Scholarship for Women Scientists) (Irrevocable Grants & Subsidies Received)

(Amount Rs.)

Particulars	Current Year	Previous Year
Grant Received under TIFAC Account Period (01.04.2012 to 25.10.2012)		
1. From Central Government		
2. Scholarship for Women Scientists Grants		
a) Grants in Aid (Plan)	10,000,000.00	-
b) Grant in Aid (Non-Plan)	-	-
3. State Governmetn(s)	-	-
4. Governmetn Agencies	-	-
5. Institutions Organisatins	-	-
6. International Organisations	-	-
7. Other (Specify)	-	-
Total	10,000,000.00	-
Grant Received under SFWS New Account Period (26.10.2012 to 31.03.2013)		
1. From Central Government	-	-
2. Scholarship for Women Scientists Grants		
a) Grants in Aid (Plan)	-	-
b) Grant in Aid (Non-Plan)	-	-
3. State Governmetn(s)	-	-
4. Governmetn Agencies	-	-
5. Institutions Organisatins	-	-
6. International Organisations	-	-
7. Other (Specify)	-	-
Total	-	-



**Technology Information Forecasting And Assessment Council, (TIFAC)
Scholarship For Women Scientists
Schedules Forming Part of Income & Expenditure for the year ended 31.03.2013**

Schedule 30 - Other Income (SWS)

(Amount Rs.)

	Current Year	Previous Year
Other Income under TIFAC Account Period (01.04.2012 to 25.10.2012)		
Other Income	-	-
Total	-	-
Other Income under SFWS New Account Period (26.10.2012 to 31.03.2013)		
Interest on Savings Account	70,007.00	-
Interest (Staff Advance)	230.00	
Total	70,237.00	-



**Technology Information Forecasting And Assessment Council, (TIFAC)
Scholarship For Women Scientists
Schedules Forming Part of Income & Expenditure for the year ended 31.03.2013**

Schedule 31 - Expenditure (SWS)

(Amount Rs.)

Particulars	Current Year	Previous Year
Expenditure under TIFAC Account Period (01.04.2012 to 25.10.2012)		
Scholarship for Women Scientist	571,592.00	752,888.00
Advertisement, Written Examination	2,736,453.00	232,160.00
Salary for Training Assistant	80,580.00	99,000.00
Salary for Training Coordinator	466,900.00	268,154.00
Contingencies	-	50,462.00
Faculty Honorarium and Travel for Orientation & Workshop	-	60,463.00
TA/DA for Attending Orientation Programme & Workshop	-	13,702.00
Workshops and Training	-	59,261.00
AD-Hoc Bonus	-	9,747.00
Total	3,855,525.00	1,545,837.00
Project Expenditure under SWS New Account Period (26.10.2013 to 31.03.2013)		
Scholarship for Women Scientist	1,799,034.00	-
Advertisement, Written Examination	566,162.00	-
TA/DA for Attending Orientation Programme & Workshop	50,249.00	-
Orientation Programme	871,808.00	-
Faculty Honorarium and Travel for Orientation & Workshop	291,771.00	-
Overheads	5,218.00	-
Salary of Accounts Assistant	89,032.00	-
Salary of Data Entry Operator	66,000.00	-
Salary for Training Assistant	69,454.00	-
Salary for Training Coordinator	115,654.00	-
Total	3,924,382.00	-



Technology Information, Forecasting & Assessment Council Schedules Forming Part of Accounts for the period ended 31.03.2013

Schedule - 32

SIGNIFICANT ACCOUNTING POLICIES

1. The council has adopted the Hybrid System of accounting i.e. combination of Cash Basis and Accrual Basis accounting.
2. Fixed assets are stated at cost less accumulated depreciation. Cost comprises the purchase price and any attributable cost of bringing the asset to its working condition for its intended use.
3. Depreciation on fixed assets is computed on the written down value (WDV) method at the rates and in the manner prescribed under the provisions of Income Tax Act.
4. Prior period expenditure, extra-ordinary items and changes in accounting policies having material impact on the financial statements of the council are required to be disclosed.
5. (a) Amounts released under various projects are accounted for 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 year.
(b) Amounts earmarked for disbursement by SIDBI are accounted for as expenditure for the year in which the same are earmarked, irrespective of the fact that the amounts so earmarked may not have been fully released to SIDBI during the year. Any funds so earmarked but not released are carried over to the Corpus Fund as at the end of the financial year.
6. Unspent amount of grant received during the year has been transferred to Corpus/Capital Fund.
7. The repayment of grant/assistance to TIFAC by the beneficiaries as per the conditions stated in the agreement is accounted for on receipt (cash) basis.
8. All disbursements (irrespective of its utilization) for projects are treated as expenditure during the Financial Year and assets if any created/purchased by the beneficiaries, out of the said disbursements to the project, are not accounted for as assets in the books of accounts.
9. Stale Cheques issued by TIFAC amounting to Rs. 22,78,879.06 have been outstanding under the head Current Liabilities as on 31st March 2013 and the last year balance for the same is Rs. 22,06,790.06.
10. Contingent liabilities in respect of on-going projects/studies etc. are neither provided for nor determined.
11. Total expenditure is not bifurcated into plan and non-plan expenditure in the financial statements.

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

Sd/-
Account Office
TIFAC

Sd/-
Registrar
TIFAC

Sd/-
Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



Technology Information, Forecasting & Assessment Council
Schedules Forming Part of Accounts for the period ended 31.03.2013

SCHEDULE- 33 CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

1. CONTINGENT LIABILITIES

1.1 Claims against the Entity not acknowledge 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. Rs. NIL (Previous year Rs. NIL)
- Sales Tax Rs. NIL (Previous year Rs. NIL)
- Municipal Taxes Rs. NIL (Previous year Rs. NIL)
- 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, at least equal to the amount at which they are stated 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.



6. FOREIGN CURRENCY TRANSACTIONS

(Amount Rs.)

6.1 Value of Imports Calculated on C.I.F. Basis:

	Current Year	Previous Year
Purchase of finished Goods	Nil	Nil
Raw Materials & Components (Including in transit)	Nil	Nil
Capital Goods	Nil	Nil
Stores, Spares & Consumables	Nil	Nil

6.2 Expenditure in foreign currency:

a) Travel	Rs. 2,30,502/-	Rs. 3,68,238/-
b) Remittances and Interest Payment to Financial Institutions/ Banks in Foreign Currency	Nil	Nil
c) Other expenditure:		
- Commission on Sale	Nil	Nil
- Legal and Professional Expenses	Nil	Nil
- Miscellaneous Expenses	Nil	Nil

6.3 Earning:

Value of Exports on FOB basis	Nil	Nil
-------------------------------	-----	-----

6.2 Remuneration to Auditors:

- Auditors Fee (inclusive of Service Tax)	58,922.00	46,967.00
- Taxation matters	Nil	Nil
- For management services	Nil	Nil
- For certificate	Nil	Nil
- Others	Nil	Nil



7. The details of Liabilities outstanding for a period more than 5 years which is shown under Current Liabilities (Schedule 7).

S. No.	Particulars - Current Liabilities (Schedule 7)	Amount (Rs.)
1.	Salary Payable (Prof. Ganpathy)	1,800.00
2.	Project (ICOSER)	1,32,02,152.00
3.	Indian-Mayanmar S & T Friendship Library in Yangoon	9,59,659.00
4.	MSEB-Ash Utilisation/ Management	6,00,094.00
5.	FAM Large Scale Stowing of HWP Pond Ash into the Underground Mines of SCCL (M) Manugure	82,94,830.00
6.	Earth Quake Serving Nature's Fury	1,65,157.00
7.	MPSEB use of Fly Ash in Agriculture Development Thermal Power Plants, Sarni	3,56,825.00
8.	TIFAC-World Bank Project	13,39,747.93
9.	DRDO-PRF	3,95,745.00
	Total	2,53,16,009.93

8. On the analysis of the schedules forming part of the Balance Sheet of TIFAC and as per the information provided to us the following amounts are outstanding under the head Current Assets, Loans & Advances (schedule 11) since long time which have not been settled so far:-

S. No.	Particulars	Amount (Rs.)
1.	Sail NMPP	19,736.55
2.	Security Deposit : Lease Accommodation	9,500.00
3.	Security Deposit M/s Tata Tele Service Ltd.	16,000.00
4.	Advance: Acharya Vinaba Bhave Rural Hospital, Sawangi	1,50,000.00
	Total	1,95,236.55

9. A sum of Rs. 50 lacs was deposited by TIFAC on 03.02.2010 for the Assessment year 2005-06 upon denial of exemption by the Assessing Officer under section 10(21) of Income Tax Act. Later on TIFAC had filed appeal before CIT (Appeals) against the order passed by the Assessing Officer. Subsequently the Hon'ble CIT (Appeals) allowed the exemption and passed the order in favour of TIFAC as per Appellate order dated 09.09.2010. Refund of Rs.50 lacs along with interest of Rs. 8.75 lacs has been received from the Income Tax Department vide cheque dated 19th March 2013 and accounted for in current year.

10. Audited financial statements/utilization statements duly certified by Chartered Accountants in respect of grant utilized/released during the year, has been received in the cases observed by us on test check basis.

11. 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.

12. Liability towards gratuity payable on death/retirement of employees is not provided for.



13. Provision for accumulated leave encashment benefit to employees is not being made since it shall be accounted for on cash basis.
14. A sum of Rs. 11,92,550/- has been accumulated towards post retirement medical benefits of TIFAC employees, pending framing of the necessary scheme and taking out of group insurance policy to cover the liability.
15. Grant from DST is received for TIFAC activities and no separate grant is received for Vision activities so all the receipts and expenditure incurred for the purpose of Vision activities have been merged with TIFAC regular Income and Expenditure.
16. A sum of Rs. 6,88,192/- has been paid and booked as expense during the current year while these expenses relates to previous financial years for which no provision had been made in those previous years.
17. Previous year's figures have been regrouped/rearranged wherever found necessary, to make them comparable with current year figures.
18. Schedules 1 to 33 are annexed to and form an integral part of the Balance Sheet as at 31.03.2013 and the Income and Expenditure Account for the year ended on that date.

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

Date : 25.9.2013
Place : New Delhi

Sd/-
Account Office
TIFAC

Sd/-
Registrar
TIFAC

Sd/-
Executive Director
TIFAC



Staff Advances

(Amount Rs.)

Particulars	Current Year	Previous Year
Staff Advances under TIFAC Account		
A) Staff Advances		
Sh. Bipin Kumar	500.00	500.00
Anil Kumar Rai	10,000.00	-
Sh.Surender Prasad	6,500.00	-
Sh.Sushil Kumar Jha	5,500.00	-
Ms. Mercy Kutty	8,500.00	-
Sh.Surender Kumar	3,000.00	4,000.00
Ms. Geeta Nair	6,500.00	-
Dr. Gautam Goswami	7,000.00	-
Dr. P.K.Anil Kumar	9,000.00	-
Ms.Uma Daral	4,000.00	3,000.00
Sh.Aneesh S	-	6,000.00
Sh. Bishram Bhakta	5,000.00	-
Sh.Ravinder Kumar (Manager)	3,000.00	4,000.00
Sh.Sanjay Sundriyal	10,000.00	7,000.00
Sh.Pankaj Sundriyal	13,000.00	9,000.00
Ms. Sujatha R	8,000.00	-
Ms.Padma Manral	10,000.00	3,000.00
Ms.Kunwar Singh	-	5,000.00
Sh.Suresh Babu	-	5,500.00
Sh.Ranbir Singh	-	7,000.00
Sh.Dilip Kumar	-	3,000.00
Dr.S.K.Goel	-	6,000.00
Sh.Ravinder Kumar Sundriyal	500.00	6,500.00
B) HBA Advance		
Ms. Sangeeta Baksi	594,600.00	645,000.00
Dr.Debabrata Majumdar	590,000.00	650,000.00
Sh.P.R.Basak	285,000.00	357,000.00
C) Car Advance		
Sh.Suresh Kumar K	-	41,400.00
Dr.Gautam Goswami	48,000.00	66,000.00
Sh.Deep Prakash	-	5,000.00
Dr.S.K.Goel	3,600.00	46,800.00
Sh.T.Chandrasekhar	136,800.00	147,600.00
Ms.Sangeeta Baksi	88,000.00	112,000.00
Total (i)	1,856,000.00	2,140,300.00



	Current Year	Previous Year
Staff Advances under TIFAC Account		
D) Leave Travel Concessionation		
Sh.Shushil Kumar Jha	8,100.00	-
Dr.P.K.Anil Kumar	-	43,000.00
Ms.Sangeeta Nagar	-	7,000.00
Sh.Mahipal Singh Rawat	-	34,900.00
E) Tour Advance		
Sh.Sajid Mubashir	81,042.00	81,042.00
Dr.Debabrata Majumdar		-
Sh.T.Chandrasekhar	45,000.00	45,000.00
Sh.Anil Kumar Rai	566.00	-
F) Scooter Advance		
Sh.T.Adarsh Mayya	1,000.00	13,000.00
Sh.Aneesh S	10,500.00	16,500.00
Sh.Bishram Bhakta	16,000.00	-
Sh.Sanjay Sundriyal	22,500.00	-
G)Computer Advance		
Sh.Yashwant Dev Panwar	-	58,125.00
Sh.Mahipal Singh Rawat	28,000.00	-
Sh.Suresh Somanchi	27,000.00	-
Sh Deep Prakash	70,000.00	-
Total (ii)	309,708.00	298,567.00
Total (i) + (ii)	2,165,708.00	2,438,867.00
Staff Advances under PFC New Account period (26.10.2012 to 31.03.2013)		
a) Staff Advance		
Sh.Ranbir Singh	500.00	-
b) Car Advance		
Sh.Suresh Kumar K	18,000.00	-
c) Computer Advance		
Sh.Yashwand Dev Panver	50,625.00	-
d) Leave Trave Concession Advance		
Sh.Shambhu Kumar	18,000.00	-
Total	87,125.00	-
Staff Advances under SFWS New Account period (26.10.2012 to 31.03.2013)		
a) Staff Advance		
Sh. Deepak Taneja	4,000.00	-
Total	4,000.00	-



REFUND FROM PROJECTS (TIFAC REGULAR ACCOUNT)

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
(A) Home Grown Technology :		
Pilot Plant for Production of Silicon Iron Casting	175,000.00	55,000.00
Technology Development & Commercialization of Haemoconcentrators for open Heart Surgical Applications	-	225,000.00
Manufacturing Plant for Heat Pipe Based Heat Sinks	620,000.00	620,000.00
Development of Wett Type Synthetic Friction Material for 2/3 Wheeler Chutch Application		140,000.00
Manufacturing of Briquetted Coal from Agriculture Waste	56,000.00	-
Commercialisation of Bio Technology in India	250,000.00	-
Commercialisation of Pelletisation Technology for Biomass & Combustible Waste	-	250,000.00
Compeonentization of Human Blood & Its Derivatives for Biomedical Applications	-	1,250,000.00
Manufacture of Red Mud/Fly Ash Polymer Door Shutters	220,000.00	240,000.00
Pilot Scale Manufacture of Bio-Reactors	-	1,200,000.00
Extraction of Flacouring compounds from Hops using Lequid CO2 under High Pressure	1,250,000.00	625,000.00
Sub Total (A)	2,571,000.00	4,605,000.00
(B) Advanced Composites Programme		
Composite Interiors for Drivers Cabin in Diesel Locomotive	687,120.00	1,050,000.00
Development of Energy Efficient Azial Flow FRP Fans	2,633,587.00	4,765,769.00
Development of Composite Sky Bus Coaches	2,775,000.00	-
Development of Composite House Boats	-	2,592,000.00
High Speed Planing Type Composite Boats	1,804,800.00	1,804,800.00
Development of Composite Artificial Limbs	200,000.00	-
Development of Composite Optical Fiber Cable	1,000,000.00	825,000.00
Development of Composite Components for High End Passenger Buses	-	1,361,520.00
Development of Filament wound composite Road Tanker	-	1,248,000.00
Composites Interiors for Railways Passenger Coaches	2,148,000.00	2,424,000.00
Development of Filament Wound Pipes & Pipe Fitting for oil & Gas Sector	3,584,000.00	1,536,000.00



(Amount Rs.)

PARTICULARS	Current Year	Previous Year
FRP Bracket Assembly for Railways Electric Traction	1,977,216.00	1,977,216.00
Detoxification and Recovery of Residual Hydrocarbon From Jatropha Seed Cake	-	71,395.00
Development of Filament Wound Venturi Scrubber along with the Accessories	3,870,000.00	1,290,000.00
Sub Total (B)	20,679,723.00	20,945,700.00
(C) Sugar Technology Mission		
Ethyl Lactate Project	8,300,000.00	8,300,000.00
Sub Total (C)	8,300,000.00	8,300,000.00
(D) Tepp Project		
In Vivo Dielectric Measuring Instrument in Frequency Range of 100 MHZ to 5 GHZ	-	71,529.00
Sub Total (D)	-	71,529.00
(E) Fly Ash Utilization Programme		
Bulk Production of Fly Ash Bricks	30,000.00	50,000.00
Sub Total (E)	30,000.00	50,000.00
(F) REFUND FROM PROJECT TECHNOLOGY VISION 2020		
Processing & Export of Loin & Steak of Yellow Fin Tuna	666,192.24	333,096.00
Environmental Geomatics	75,835.00	-
Standardization of Bacopa Monnieri Extract for its Cogniting	2,760,000.00	2,760,000.00
Bio Transformation of Meso Cyclopents 14 Diacetate to 4-Rhydrozyclopent -ENE-1-(S) Acetate	924,000.00	1,848,000.00
Development of Enzymatic Process for Producing Elevioside from Stevia Leaves & Eycopena Tomatoo	-	1,920,000.00
In the area of Industrial Biotechnology	-	365,509.00
Use of Straight Vegetable Oils in IC Engines	4,224,935.00	52,543.00
CAR : Hydro Forming and Tailor elding Blanks Technology For Weight Reduction Using Hihg Strenght	1,501,764.00	-
Enzymatic Conversion of Reemic Molecules to Obtain stereospecific Active Pheamaculical	4,200,000.00	4,200,000.00
Sub Total (F)	14,352,726.24	11,479,148.00
Total (A) + (B) + (C) + (D)+ (E) + (F)	45,933,449.24	45,451,377.00



ESTABLISHMENT EXPENDITURE (TIFAC REGULAR)

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
a) Salaries	33,545,274.00	30,107,108.00
Salary - Consolidated	2,598,201.00	3,881,743.00
Ad-hoc Bonus	119,168.00	139,882.00
b) TIFAC Contribution to New Pension Scheme	121,155.00	199,793.00
c) TIFAC Contribution to Provident Fund	2,030,136.00	3,450,780.00
d) Others (Specify)		
Hospitalisation Expenses	387,191.00	1,280,354.00
Consultancy Fee	5,000.00	-
Honorarium	32,000.00	10,300.00
Medical Expenses	1,302,926.00	1,063,986.00
Leave Travel Concession	1,137,645.00	863,396.00
Gratuity	218,560.00	1,568,082.00
Leave Encashment	437,160.00	1,503,525.00
Tuition Fee	755,838.00	803,938.00
Total	42,690,254.00	44,872,887.00

Annexure - 4

ADMINISTRATIVE EXPENSES (TIFAC REGULAR)

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Repair and Maintenance	1,296,421.00	895,215.00
Rent, Rates and Taxes	-	236,326.00
Car hire Charges	2,098,965.00	1,703,987.00
Postage, Telephone and Communication Charges	2,009,681.00	2,374,454.99
Printing, Stationary & Printing of Publications	1,418,121.00	701,385.00
Travelling and Conveyance Expenses	282,593.00	277,922.00
Subscription Expenses	144,123.26	257,074.20
Auditors Remuneration	58,922.00	58,548.00
Advertisement and Publicity	434,234.00	764,752.00
Others (Specify)		
Bank Charges	2,821.45	-
Misc. Office Expenses	860,598.00	1,342,135.00
Membership Fee	45,115.00	80,804.00
Maintenance of Vishwakarma Bhavan	13,162,041.00	9,520,256.00
Legal Charges	1,475,946.00	1,076,205.00
WAITRO Membership	22,770.00	-
Rajabhasha Committee Meeting	262,484.00	228,213.00
Court Fee	-	200,450.00
Housekeeping of TIFAC Building	827,150.00	692,748.00
Total	24,401,985.71	20,410,475.19



PROJECT EXPENSES (TIFAC REGULAR ACCOUNT)

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
(a) Follow-Up Action/Special Initiatives		
Commissioning of Technology Status, Gap Analysis Study & the Possible Remedial Measures for the Rubber	-	162,892.00
Determinants and Impact of FDI in R&D in creation & Deffusion of Knowlegge in Automobile Industires	400,000.00	-
Pesticide Encyclopedia	-	2,461,105.00
Demonstration of Four Arun 160 Solar Thermal Concentrators of 165 M2 Each Supplying Steam for drying of Sod	-	1,175,000.00
Study on Indian Chemical Industry Technology Imperatives & Business Opportunities covering Knowledge	865,322.00	1,522,140.00
Sub-Total (a)	1,265,322.00	5,321,137.00
(b) IIASA - TIFAC Projects/Study/Membership Fee		
IIASA - TIFAC joint Workshop (TIFAC)	522,071.00	525,788.00
India - IIASA MemberShip Fee	23,258,899.00	21,191,571.00
TIFAC-IIASA Study on Indian Perspectives on Global Energy Scenarios till 2050	193,000.00	-
TIFAC-IIASA on chaning land use & Environmental Implicatins under the emerging economic climatic seenario	215,000.00	-
Integrated Water Resources Management Strategy for Water Scarce Bundelkhand region in India	-	217,673.00
TIFAC-IIASA-NEERI workshop on Economic Development and Atmospheric Pollution	-	215,000.00
TIFAC-IIASA Study on Indian Perspectives on Global Energy Scenarios till 2050	-	500,000.00
TIFAC - IIASA Study : Analyzing Forest Carbon Accounts for Sustainable Policy Opt. Special Ref. Livelihood	-	1,600,000.00
TIFAC-IIASA workshop on Adapting Rural Livelihood to Climate Change	-	215,000.00
IIASA - TIFAC Support for Indian YSSP Participation for 2011 at IIASA. Lazenburg	380,269.00	254,860.00
Sub-Total (b)	24,569,239.00	24,719,892.00
(c) HOME GROWN TECHNOLOGIES		
Project related expenses	74,607.00	350,215.00
Sub-Total (c)	74,607.00	350,215.00



(Amount Rs.)

PARTICULARS	Current Year	Previous Year
(d) TePP PROJECTS		
Resq-eye (Viction Location system)	-	15,000.00
Sub-Total (d)	-	15,000.00
(e) Technology Refinement Marketing Programme (TREMAP)		
TREMAP Expenditure	261,913.00	958,408.00
TREMAP TCFA at VIT-TBI, Vellore	1,100,000.00	1,000,000.00
TREMAP : System for Accurate Guide Wire Positioning	250,000.00	-
TREMAP TCFA at MSRSAS, Bangalore	600,000.00	999,796.00
Extendabel Pedal Crank Assembly for Doubling of Torque at Same Force	-	60,000.00
Intelligent Informer an Automated Massaging Service for Industiral System Monitoring	-	75,000.00
Auto wash Gear Roller Wall Mount Wet Grinder	-	372,500.00
TREMAP : National Awards to Commercializable Patents	-	4,000,000.00
TREMAP : Surgical Limb Positioner	46,602.00	172,500.00
TREMAP at IT-BHU, Varanasi	600,000.00	600,000.00
TREMAP : Low Energy Dental / Medical Aspirator	79,000.00	140,000.00
TREMAP : Automatic Cashew Decorticatign Machine	-	50,000.00
TREMAP : Non Electric Water Level Indicator	90,000.00	-
TREMAP : TCFA at Techno Park - Technology Business Incubator, Trivandrum	486,018.00	-
TREMAP : Study at TCFA at CTE Udaipur, Rajasthan	486,445.00	679,325.00
TREMAP : TCFA at KIIT - BI, Bhubaneswar	1,683,525.00	-
TREMAP : Sound Wave Airway Sensor	65,967.00	-
TREMAP : TCFA at EDC, NCL Innovation Park, Pune	1,195,241.00	-
TREMAP : Peeling Device (Machine) for Banana Stem	60,000.00	-
TREMAP : Mini Concrete Mixing Machine	165,000.00	-
TREMAP : Automated Scan Lock	500,000.00	-
TREMAP : Sun Directohot Water System (Heater)	300,000.00	-
TREMAP : Bicycle Parts Cluster in Ludhiana, Panjab	490,192.00	-
TREMAP : Jet Nozzle Regulator and Accelerator Control Kit	318,500.00	-
TREMAP : Passive Hybride Harmonic Filter	13,997.00	-
TREMAP : Suraksha : LPG and Gas Detection Device wigh SMS Alert	240,000.00	-



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(Amount Rs.)

PARTICULARS	Current Year	Previous Year
TREMAP : Nimble Carpet Shearign Machine	210,000.00	-
TREMAP : Supraglottic Airway Device for Airway Management	200,000.00	-
TREMAP : FAUCETS (with Independent Control for Flow And Temperature)	150,000.00	-
TREMAP : A Device for Four Wheeler Driving Machinism though Hand for Physically Challenged Person	180,000.00	-
TREMAP : Biomass Cook Stove Using Natural Draft : BCS-ND	24,000.00	-
TREMAP : Improved Wonnowing Fan	40,000.00	-
TREMAP : Door Bolt System	150,000.00	-
TREMAP : Segmental Interlocking Bolt a New Implant System for Fracture Neck of Femur	197,500.00	-
TREMAP : Cashewnut Fine Peeler Machine	90,000.00	-
TREMAP : Pen/Pencil for Filing OMR Sheet	120,000.00	-
Novel Fluorescent Reagent for Detecting Fingerprints	-	14,000.00
Side view mirror adjustment and protection system	60,000.00	110,000.00
Sub-Total (e)	10,453,900.00	9,231,529.00
(f) Revolving Fund (SIDBI)		
Funds Released to Revolving Fund (SIDBI)	-	-
Earmarked fund to be released to SIDBI	45,000,000.00	45,000,000.00
Sub-Total (f)	45,000,000.00	45,000,000.00
(g) Project Related Expenditure		
Exhibition/Workshop International	-	1,207,068.00
Meeting Expenditure (Project Related)	815,822.00	555,285.00
Meeting Expenditure	491,494.00	412,735.00
Travel Abroad	230,502.00	368,238.00
Travel Expenditure (Project Expenditure	3,996,187.00	1,932,452.00
Travel Expenditure	109,678.00	-
Workshop Expenditure	947,802.00	1,247,760.50
Travel on Workshop and Others etc	14,804.00	-
Indo Israeli Workshop	71,736.00	-
Sub-Total (g)	6,678,025.00	5,723,538.50
Total (a) to (g)	88,041,093.00	90,361,311.50

Annexure - 6

EXPENDITURE OF VISION 2020

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Establishment & Administrative Expenditure		
Misc Office Expenses	36,657.00	29,221.00
Periodical & Magazine Charges	-	1,798.00
Hospitalisation Expenses	24,601.00	162,624.00
Printing Charges	11,600.00	-
Repair and Maintenance	28,459.00	19,362.00
Telephone / Internet Charges	-	2,509.00
Ad-hoc Bonus	31,086.00	27,632.00
Medical Reimbursement	270,213.00	246,492.00
Salary	11,909,147.00	9,501,001.00
Leave Travel Concession	273,492.00	202,193.00
Honorarium	7,500.00	15,500.00
Tuition Fee	171,738.00	125,526.00
Leave Encashment	51,492.00	28,124.00
Legal Charges	-	7,875.00
Total	12,815,985.00	10,369,857.00



PROJECT EXPENDITURE OF

PARTICULARS		
<p>(a) Agriculture Sector</p> <p>Promotion of Medicinal and Aromatic Plants in Paliganj Area, Patna</p> <p>Demonstration of Agriculture Diversification through Aromatic Plant Cultivatio at Deoria</p> <p>Enhancing Water Productivity in Deep Water Rice Area</p> <p>Demonstration of system Approach in selected low Productivity Regions of Deoria, District</p> <p>Support t Training, Employment and Income Generation Programme for Farmer and Rural Women Processing & Value Addition of Agriculture Produce</p> <p>Agriculture, Quality Mode Production in Rice wheat Cropping System Through Farmers, BHU, Varanasi</p> <p>On Farm Demonstration, Popularizaion, Commerciatization & Processing of Mentha Cultivation in Barabanki District of U.P</p> <p>Enhancement of Farm Income of Farmers of Eastern Uttar Pradesh from Added Scented Rice (Kalanamak)</p> <p>Improved seed Production and Multiplication at Paliganj, Patna</p> <p>On Farm Demonstration, Commercial Cultivation of Trichoderma as bio pesticide & growth Promoter</p>		
Sub-Total (a)		
<p>(b) Targeted Programme in Other Important Area</p> <p>Efficient Utilization of Jatropha seed cake by Detoxigation & Recovery of Residual Hydrocarbon</p> <p>Setting up an Aseptic Pulp processing cum packaging plant at malda</p> <p>Fashion Design Technology Gap analysis study of readymade garments cluster in Tirupar, Tamilnadu</p> <p>Technology Gap Analysis Study in readymade garments industries cluster in Delh/NCR Region</p> <p>Technology Gap Analysis Study in Textile Cluster, Panipat</p> <p>Technology Gap Analysis study for the Mini Gas Cylinder Cluster in Meeru</p> <p>Technology Gap Analysis Study for the sewing machine cluster in Ludhiana</p> <p>Technology Gap Analysis Study for the voltage stabilizer cluster in Meerut</p>		
94		



(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Technology Gap Analysis Study for the Plastics cluster in Mumbai	475,000.00	
Technology Gap Analysis Study of Handmade Industry Cluster, Jaipur	21,120.00	-
Technology Gap Analysis study for the Electronics Cluster in Mohali	70,000.00	-
Development for Novel Processing in isolating standardized extract of Aloc Vera and its applications Diabetes	658,000.00	2,500,000.00
R&D Centre for Howrah	-	6,329,075.00
Development of Enzymatic Process for producing Slevioside from Stevia Leaves & Lycopena from Tometoo	-	1,400,000.00
Car : Use of Straight Vegitable Oils	-	836,000.00
Technology Gap Analysis Study for Surgical Instruments Manufacturing Unit Cluster for Baruipar	48,000.00	-
Development of Biotransformation Process for syntesis of Chirally Pure Componds	-	2,755,000.00
Centre for Biofuels	-	10,000,000.00
E-Court Room : Document Cum Evidence Management System (DEMS)	3,271,000.00	-
E-Court Room Digital Recording & Retrieval System (E-DRRS)	2,266,000.00	-
Development of Enzymatic Process for waste reduction in Potato Processing	973,800.00	-
Workshop on advance technologies for Baruipar surgical instruments cluster for meeting market requirements.	-	24,000.00
Process Development for Production of L-arginine by Fermentation	-	1,060,000.00
Sub-Total (b)	9,343,350.00	27,454,196.00
(c) Upgradation of Engineering College		
TIFAC-CORE in the area of Diabetic Retin	-	2,767,000.00
Sub-Total (c)	-	2,767,000.00
(d) Project Related Expenditure		
Meeting Expenditure (Project Related)	4,215.00	202,544.00
Travelling Expenditure (Project Related)	2,166,662.00	3,738,373.00
Workshop Expenditure	12,000.00	724,100.00
Traveling on Workshop and Others etc	7,530.00	-
Meeting Expenditure	-	10,649.00
Sub-Total (d)	2,190,407.00	4,675,666.00
TOTAL (a) to (d)	12,483,904.00	36,667,277.00



Annexure - 7

TECHNOLOGY VISION 2035

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Expenditure :		
Brainstroming Meeting Vision 2035	3,063,904.00	1,626,371.00
Project Related Expenditure		
Meeting Expenditure (Project Expenditure)	305,065.00	333,457.00
Meeting Expenditure	156,946.00	31,465.00
Travelling (Project Expenditure)	2,135,218.00	1,013,876.00
Workshop Expenditure	413,898.00	418,000.00
Travelling Expenditure	1,980.00	-
Total	6,077,011.00	3,423,169.00

Annexure - 8

PATENT FACILITATING CENTRE

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Income Under TIFAC Account Period (01.04.2012 to 25.10.2012)		
Other Income		
Other Receipts	-	21,774.00
Interest (Long Term Advance)	-	-
CD ROM Ekaswa A & B	7,500.00	36,000.00
Total	7,500.00	57,774.00
Income Under PFC New Account Period (26.10.2012 to 31.03.2013)		
Other Income		
Ekaswa CD ROM A B & C	8,000.00	-
Publications	500.00	-
	8,500.00	-

PATENT FACILITATING CENTRE

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Expenditure under TIFAC Account Period (01.04.2012 to 25.10.2012)		
Establishment Expenditure		
Salary	2,192,944.00	3,295,074.00
Salary Consolidated	595,000.00	938,454.00
Medical Reimbursement	13,968.00	10,317.00
Honorarium	12,000.00	22,000.00
Ad-hoc Bonus	-	13,816.00
Tuition Fee	19,610.00	-
Leave Encashment	25,355.00	-
Sub Total (A)	2,858,877.00	4,279,661.00
Administrative Expenditure		
Advertisement Expenses	-	76,685.00
Miscellaneous Office Expenses	25,018.00	59,867.00
Conveyance	6,704.00	6,377.00
Telephone & Telex	-	17,880.00
Filing of Patent	2,425,364.00	3,304,885.00
Car Hire Charges, Annual Subscription, Periodicals & Magazines Stationery, Meeting Expenses, Traveling Expenses, Membership Etc	565.00	143,651.00
Repair & Maintenance	14,811.00	-
Sub Total (B)	2,472,462.00	3,609,345.00
TOTAL A +B	5,331,339.00	7,889,006.00



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(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Expenditure under PFC New Account Period (26.10.2012 to 31.03.2013)		
Establishment Expenditure		
Salary	2,185,315.00	-
Salary Consolidated	511,760.00	-
Leave Encashment	26,431.00	-
Leave Travel Concession	79,026.00	-
Medical Reimbursement	32,113.00	-
PFC Contribution to Provident Fund	168,231.00	-
Tuition Fee	54,150.00	-
Sub Total (A)	3,057,026.00	-
Administrative Expenditure		
Bank Charges	26.00	-
Filing Of Patent	2,180,642.00	-
Misc. Office Expenses	33,428.00	-
Periodical & Magazines	1,809.00	-
Repair & Maintenance	15,461.00	-
Telephone & Telex	24,590.00	-
Conveyance	3,407.00	-
Sub Total (B)	2,259,363.00	-
TOTAL A +B	5,316,389.00	-

Annexure -10

PATENT FACILITATING CENTRE

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Expenditure under TIFAC Account Period (01.04.2012 to 25.10.2012)		
Project Expenditure		
Meeting Expenditure (Project Related)	-	2,278.00
Travelling Expenditure (Project Related)	-	16,545.00
Workshop Expenditure	62,480.00	1,001,891.00
Traveling on Workshops & Others etc.	108,346.00	1,127,085.00
Total	170,826.00	2,147,799.00
Expenditure under PFC New Account Period (26.10.2012 to 31.03.2013)		
Travelling Expenses	217,413.00	-
Workshop Expenditure	126,456.00	-
Total	343,869.00	-

Annexure -11

SHORT TERM DEPOSITS WITH BANKS

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Short Term Deposits		
TIFAC	130,500,000.00	65,500,000.00
Accrued Interest	13,588,555.00	4,358,718.00
Total	144,088,555.00	69,858,718.00



EXPENSES PAYABLE

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Expenses Payables Under TIFAC		
Salary Payable	3,791,212.00	3,165,370.00
Sh.S.S.L.Gupta	55,870.00	-
Ms. Manju Bagai	28,780.00	-
M/s. Sansanwal Travels	335,202.00	129,123.00
M/s. MTNL	55,040.00	54,966.00
M/s R.R.Associates	-	16,781.00
M/s Anil Bhatla & Company	58,922.00	46,967.00
M/s Pink House Keeping	73,818.00	65,475.00
M/s Iceberg Foods Ltd, Delhi	29,023.00	17,414.00
M/s Yatrika Travels	39,596.00	29,018.00
M/s Secular House Students & Staff Canteen	30,316.00	-
M/s K.S.Gupta And Company	30,337.00	-
M/s Balmer Lawrie & Co. Ltd, New Delhi	1,275,083.00	-
M/s Achievers India Solutions	19,428.00	-
M/s Mittal File Manufacturing Company, New Delhi	35,235.00	-
M/s Kendriya Bhandar, New Delhi	77,943.00	-
M/s Cuisine 2000	19,914.00	-
SubTotal (A)	5,955,719.00	3,525,114.00
Expenses Payables Under TIFAC Account Period (01.04.2012 to 25.10.2012)		
Income Tax Payable	306,097.00	201,512.00
Sub Total (B)	306,097.00	201,512.00
Total (A) + (B)	6,261,816.00	3,726,626.00
Expenses Payables Under PFC New Account Period (26.10.2012 to 31.03.2013)		
M/s L.S.Davar & Co.	23,513.00	-
M/s Subramaniam Natraj & Associates	5,715.00	-
M/s Lakshmi Kumaran & Sridharan	76,437.00	-
M/s Fox Mandal & Associates	29,570.00	-
M/s Anjan Sen & Associates	324,614.00	-
M/s Mohan Associates	6,950.00	-



(Amount Rs.)

PARTICULARS	Current Year	Previous Year
M/s S.Majumdar & Co.	204,474.00	-
M/s Lall Lahiri & Salhotra	203,520.00	-
M/s Balmer & Lawrie	92,221.00	-
M/s World Wide News India	8,800.00	-
Salary Payable	385,375.00	-
Sub Total (A)	1,361,189.00	-
Expenses Payables Under PFC New Account Period (26.10.2012 to 31.03.2013)		
Income Tax (Salary)	33,800.00	-
Income Tax	72,335.00	-
Education Cess (Salary)	1,014.00	-
Education Cess	82.00	-
Sub Total (B)	107,231.00	-
Total A+B	1,468,420.00	-
Expenses Payables Under SFWS New Account Period (26.10.2012 to 31.03.2013)		
M/s Sarathi Enterprises	31,375.00	-
M/s Sansanwal Travels	37,201.00	-
M/s Chopra Audio Visual Pvt. Ltd	3,304.00	-
Salary Payable	54,574.00	-
Scholarship for Women	946,130.00	-
Advertisement, Written Exam and Interview	65,975.00	-
Orientation Programme	11,185.00	-
Sub Total (A)	1,149,744.00	-
Income Tax	4,718.00	-
Sub Total (B)	4,718.00	-
TotalA+B	1,154,462.00	-



EARNEST MONEY FROM SUGAR FACTORIES

(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Earnest Money: Sakthi Sugars Ltd	100,000.00	100,000.00
Earnest Money : Pratappur Sugar Industry Ltd	100,000.00	100,000.00
Earnest Money : RBN Sugar Mills	100,000.00	100,000.00
Earnest Money : L.H.Sugar	100,000.00	100,000.00
Earnest Money : Riga Sugar	100,000.00	100,000.00
Earnest Money : Jind Coop-Sugar	100,000.00	100,000.00
Earnest Money : Vishnu Sugar	100,000.00	100,000.00
Earnest Money : DSM Sugar	100,000.00	100,000.00
Earnest Money : Valsad Sugar	100,000.00	100,000.00
Earnest Money : Budhewal Co	100,000.00	100,000.00
Earnest Money : Palwal Sugar Ltd	100,000.00	100,000.00
Earnest Money : Godawari Sugar Mill	100,000.00	100,000.00
Earnest Money : Padamashri Dr.Vithalrao Vikho Patil SSK Ltd	100,000.00	100,000.00
Earnest Money : Mawana Sugar	100,000.00	100,000.00
Earnest Money:EID Parry, Pugalur	100,000.00	100,000.00
Earnest Money : Vishwas Rau Naik SSK Ltd	100,000.00	100,000.00
Earnest Money : M/s Terna SSK Ltd	100,000.00	100,000.00
Earnest Money : Shakumbani Sugar Ltd	100,000.00	100,000.00
Earnest Money : Shri Talabu Taluka SKM	100,000.00	100,000.00
Earnest Money : Bileshwar Khurd Udyog Khedut Sahakari Mandal Ltd	100,000.00	100,000.00
Earnest Money : Sanjavani SSK Ltd	100,000.00	100,000.00
Earnest Money : Rahuri S.S.K Ltd	100,000.00	100,000.00
Earnest Money : Ashok SSK Ltd	100,000.00	100,000.00
Earnest Money : Simbhaoli Sugar	300,000.00	300,000.00
Earnes Money : Jagadamba SSK	100,000.00	100,000.00



(Amount Rs.)

PARTICULARS	Current Year	Previous Year
Earnest Money : Rana Sugar Ltd	100,000.00	100,000.00
Earnest Money : Dharani Sugar & Chemical Ltd	100,000.00	100,000.00
Earnest Money : Triveni Engg. Industries Ltd	200,000.00	200,000.00
Earnest Money : Uttam Sugar Ltd	100,000.00	100,000.00
Earnest Money : Chamundeswari Sugar Mills	200,000.00	200,000.00
Earnest Money : Mansurpur Sugar Mills	100,000.00	100,000.00
Earnest Money : Bharat Sugar Ltd	100,000.00	100,000.00
Total	3,600,000.00	3,600,000.00



**Technology Information Forecasting & Assessment Council
Receipts & Payments for the Period the Year Ended 31.03.2013**

Receipts	Current Year	Previous Year
1 Opening Balances		
Cash in hand	3,681.00	5,304.00
Bank balances		
In Current Accounts		
In Deposit Accounts	69,858,718.00	-
Savings Accounts	102,786,894.27	89,877,934.52
Advance for Franking Machine	6,691.00	8,214.00
2 Grants Received		
From Government of India - Plan (TIFAC)	205,300,000.00	184,710,000.00
From Government of India - Non Plan (TIFAC)	450,000.00	600,000.00
Scholarship for Womet Scientist	10,000,000.00	-
3 Interest Received		
On Bank Deposits (TIFAC)	9,229,837.00	4,358,718.00
On Bank Savings (TIFAC)	5,527,535.00	3,775,695.00
Loans Advances etc. (Staff advances)	59,810.00	13,803.00
Interest from Income Tax	875,000.00	-
Loan Advance (HBA)		153,192.00
4 Other Income (Specify)		
Refund from HGT Project	2,571,000.00	4,605,000.00
Refund from Advance Composite Programme	20,679,723.00	20,945,700.00
Refund from Vision 2020	14,352,726.24	11,479,148.00
Other Income (Annexure 18)	143,699.00	397,809.44
Refund from Sugar Technology Mission	8,300,000.00	8,300,000.00
Refund from TePP Project	-	71,529.00
Refund from Fly Ash Utilization Programme	30,000.00	50,000.00
5 Receipts fro Patent Facilitating Centre		
Grant in Aid	-	15,000,000.00
Grant in Aid (Under PFC New Account)	15,000,000.00	-
Amount Trasnfered from TIFAC Main Account (Under PFC New Account)	38,493.32	-

Receipts	Current Year	Previous Year
Ekaswa A&B CD RoM	7,500.00	36,000.00
Ekaswa A&B CD RoM (Under PFC New Account)	8,000.00	-
Nominal Charges for Dissemination of TIFAC Reports (Under PFC New Account)	500.00	-
Interest from Bank (Savings) (Under PFC New Account)	174,290.52	-
Interest from Advances etc. (Staff Advane) (Under PFC New Account)	220.00	-
Interst Scooter Advance	308.00	308.00
Other Receipts		21,774.00
6 Receipts for Women Scientist Scholarship Scheme		
Grant in Aid	-	-
Grant in Aid (Under WSSS New Account)	-	-
Amount Trasnfered from TIFAC Main Account (Under WSSS New Account)	4,879,744.00	-
Interest from Bank (Savings) (Under WSSS New Account)	70,007.00	-
Interest from Advances etc. (Staff Advane) (Under WSSS New Account)	230.00	-
7 Other Receits (Give Details)		
Nominal Charges for Dissemination of TIFAC Reports	105,778.00	159,140.00
Tender for Car Hiring Accounts	-	2,500.00
RTIA Questions	1,528.00	1,049.00
Tender for Printing of Various Stationary Items	2,500.00	-
Tender for Empanelment of Caterer	1,250.00	-
Tender for Empanelment of Advertisement Agencies	4,500.00	-
Staff Advance	273,159.00	393,732.00
Stale Cheque Received	72,089.00	149,417.00
DRDO - PFC	-	6,507,009.00
Advance : DAVP	-	1,268.00
Total (i)	470,815,411.35	351,624,243.96
Earnest Money : M/s Sansanwal Travels	-	50,000.00
Earnest Money : M/s Pink House Keeping	18,784.00	-
Sundry Creditor : M/s Daikin Airconditioning India Pvt Ltd	152,527.00	-
Sundry Creditor : M/s Blue Star Ltd	165,956.00	-
Sundry Creditor : Patent Facilitating Centre	6,000.00	-
Sundry Creditor : M/s Unique Interiors, New Delhi	191,075.00	-



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Receipts	Current Year	Previous Year
Sundry Creditor : India International Centre	325,854.00	-
Sundry Debtor : DST (IITF)	-	1,192,500.00
Advance : Sardar Patel Institute of Economic and Social Research, Ahmadabad	-	250,000.00
Traning Programme on IPR & WTO issues for Scientific/Technologists working in Government Sector	55,097.00	-
Advance : IIT-Delhi	-	57,500.00
Earnest Money : Yatrika Travels	-	50,000.00
Earmarked for Release to SIDBI (Revolving Fund) Capital Fund	45,000,000.00	45,000,000.00
Furniture	-	33,917.00
Office Equipment	-	3,127.00
Security Deposite : M/s Pink House Keeping	11,398.00	-
Security Deposite : Ms.Ititka Singal	-	50,000.00
Security Deposite : Mrs. Prem Lata Vyas	-	105,000.00
Security Deposite : MTNL	12,000.00	-
Income Tax for he F.Y 2004-2005	5,000,000.00	-
GSLIS	-	212.00
GSLIS (Under PFC New Account)	346.00	-
Income Tax	16,995.00	-
Education Cess	179.00	-
Medical Scheme	247,600.00	259,950.00
Medical Scheme (Under PFC New Account)	9,250.00	-
Security Deposite : MTNL	-	8,729.00
CPF	180.00	-
CPF (Under PFC New Account)	24,700.00	-
M/s Sonu Printing Press	-	60,784.00
Total (ii)	51,237,941.00	47,121,719.00
Total (i) + (ii) = (A)	522,053,352.35	398,745,962.96



Technology Information Forecasting & Assessment Council Receipts & Payments for the Period the Year Ended 31.03.2013

Payment		Current Year	Previous Year
1 Expenses			
a Establishment Expenses (Schedule 21)	42,690,254.00		
Add : Opening Expenses Payable	2,381,723.00		
Less : Expenses Payable	3,082,064.00	41,989,913.00	46,783,458.00
b Administrative Expenses (Schedule 21)	11,227,989.71		
Add : Opening Expenses Payable	361,435.00		
Add : Loss of sale of Fixed Assets	0.00		
Less : Payables	2,174,996.00	9,414,428.71	41,652,637.19
Less : Loss on Sale of Fixed Assets			
(Previous year figure does not include obsolescence Expenses in it.)			
C Expenditure on Grants, Subsidies etc. (As per Schedule 22)		88,041,093.00	69,169,740.50
2 Payments made against funds for various projects			
Grant Utilisation - Patent Facilitating Centre	5,502,165.00		
Add : Opening Expenses Payable	241,659.00		
Less : Expenses Payable	-	5,743,824.00	9,626,692.00
Establishment Expenses (Under PFC New Account)	3,057,026.00		
Add : Opening Expenses Payable	-		
Less : Expenses Payable	420,189.00	2,636,837.00	
Administrative Expenses (Under PFC New Account)	2,603,232.00		
Add : Opening Expenses Payable	-		
Less : Expenses Payable	1,048,231.00	1,555,001.00	
Payments made against funds for various projects			
Grant Utilisation - Women Scientist Scholarship Scheme	3,855,525.00		1,336,683.00
Add : Opening Expenses Payable	-		
Less : Expenses Payable	-	3,855,525.00	



Payment		Current Year	Previous Year
	Establishment Expenses (Under WSSS New Account)		2,11
	Add : Opening Expenses Payable		
	Less : Expenses Payable		1,00
	Administrative Expenses (Under WSSS New Account)		1,78
	Add : Opening Expenses Payable		
	Less : Expenses Payable		18
	Grant Utilisation - Vision 2020		25,29
	Add : Opening Expenses Payable		74
	Less : Expenses Payable		97
	Grant Utilisation - Technology Vision 2035		
	Addition in Fixed Assets		
	Office Equipment		
	Library Book		
	Computer & Peripherals		
	3 Other Payments (Specify)		
	DRDO - PFC		
	CPF		
	Sundry Creditor : M/s Daikin Airconditioning India Pvt. Ltd		
	Training Programme on IPR and WTO issues for Scientists /Technologists working in Government Sector.		
	M/s Sonu Printing Press		
	Earnest Money : M/s Sansanwal Travels		
	Earnest Money : M/s Yatrika Travels		
	Project ICOSER		
	Leave Encashment Receivable (Shambhu Kumar) (Under PFC New Account)		
	Staff Advance (Under PFC New Account)		
	Staff Advance (Under WSSS New Account)		



Payment		Current Year	Previous Year
Interest Accrued (Under PFC New Account)		77,888.52	
Interest Accrued (Under WSSS New Account)		21,624.00	
Interior Work of TIFAC Building		416,564.00	130,650.00
Advance : India Habitat Centre		2,018.65	-
Advance : Acharya Vinaba Bhave		-	150,000.00
Amount Transferred to PFC		38,493.32	-
Amount Transferred to SFWS		4,879,744.00	-
Total (i)		193,150,565.20	226,089,978.69
Closing Balance			
Cash in Hand		3,677.00	3,681.00
Cash in Hand(Under PFC New Account)		439.00	
Cash in Hand(Under WSSS New Account)		5,839.00	
Cash at Bank		171,766,782.83	102,786,894.27
Cash at Bank (Under PFC New Account)		10,887,788.32	
Cash at Bank (Under WSSS New Account)		2,148,598.00	
Short Term Deposit		144,088,555.00	69,858,718.00
Franking Machine		1,108.00	6,691.00
Total (ii)		328,902,787.15	172,655,984.27
Total (i) + (ii) = (B)		522,053,352.35	398,745,962.96

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

Sd/-
Account Office
TIFAC

Sd/-
Registrar
TIFAC

Sd/-
Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



Auditor's Report

The Trustees,
TIFAC Contributory Provident Fund Trust,
New Delhi.

We have audited the attached Statement of Affairs of TIFAC Contributory Provident Fund Trust as at 31st March 2013 with the books of accounts, maintained at New Delhi.

These financial statements are the responsibility of the management of the TIFAC Contributory Provident Fund Trust. 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.

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 the information required and give a true and fair view, in the case of Statement of Affairs, the state of the affairs of the Trust as at 31st March 2013.

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Ch. Chandra Sekhar Patro
(Partner)
M. No. - 091529

Date: 25.09.2013
Place: New Delhi



Contributory Provident Fund- TIFAC Trial Balance as on 31st March, 2013

(Amount Rs.)

S.NO.	PARTICULARS	DEBIT AMOUNT	CREDIT AMOUNT
1	EMPLOYEES SUBSCRIPTION A/C		18,600,117.93
2	EMPLOYER'S CONTRIBUTION A/C		20,078,024.00
3	INTEREST A/C		24,177,590.70
4	CPF ADV: SHRI ANIL KUMAR RAI	45,050.00	
5	CPF ADV: SHRI ARGHYA SARDAR	5,550.00	
6	CPF ADV: Ms. MERCY JAMES	17,800.00	
7	CPF ADV: MS. GEETA TOMER	2,000.00	
8	CPF ADV: SHRI RAVINDER KUMAR	21,120.00	
9	CPF ADV:SH. SURESH SOMANCHI	50,000.00	
10	CPF ADV: SMT. KAVITA TYAGI	32,800.00	
11	CPF ADV: SHRI S.K. MUNESHWAR	91,600.00	
12	CPF ADV.: UMA DARAL	12,900.00	
13	CPF ADV. SH. T. CHAKRADHAR	177,600.00	
14	CPF ADV. MR. SUMIT KUMAR	30,000.00	
15	CPF. ADV. MR. T. ADARSH	90,000.00	
16	CPF ADV. SH. BISHRAM BHAKTA	31,250.00	
17	BANK CHARGES	67.00	
18	FLEXI DEPOSIT-UBI	451,316.00	
19	SHORT TERM DEPOSIT (UBI)	50,630,779.00	
20	SPECIAL DEPOSIT (RBI) A/C	520,330.00	
21	TIFAC TDS A/C	321,591.00	
22	CASH AT BANK	10,323,979.63	
	Total	62,855,732.63	62,855,732.63

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

Sd/-
Account Office
TIFAC

Sd/-
Registrar
TIFAC

Sd/-
Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



Contributory Provident Fund- TIFAC Statement of Affairs as on 31st March, 2013

Previous Year as on 31.03.2012	Particulars	Current Year 31.03.2013	Previous Year As on 31.03.2012	Particulars	Current Year As on 31.03.2013
	Interest Accrued		5,186,000.83	Balance with UBI Deposits	10,323,979.63
16,093,643.70	Last Balance	19,740,304.70	520,330.00	Special deposite with RBI	520,330.00
3,887,785.00	Add: Received/ Accrued during the year	4,519,554.00	46,444,260.00	Short Term deposit with UBI	50,630,779.00
19,981,428.70		24,259,858.70	422,472.00	Flexi Deposit- UBI	451,316.00
91,595.00	Less: Paid during the year	82,268.00	323,835.00	TIFAC TDS A/c	321,591.00
149,529.00	Less: Bank Charges (Intrest)	-			
19,740,304.70		24,177,590.70		Loan/ Advances to staff members	
	Employees Contribution		86,750.00	Shri Anil Kumar Rai	45,050.00
	Last Balance	16,617,514.93	63,150.00	Shri Arghya Sardar	5,550.00
16,492,102.93	Add: Received during the year	5,817,023.00	23,450.00	Ms. Mala Sarpal	-
5,817,837.00		22,434,537.93	31,000.00	Sh. Deepak Kumar	-
22,309,939.93	Less: Paid during the year	3,834,420.00	29,100.00	Ms. Uma Daral	12,900.00
5,692,425.00		18,600,117.93	98,000.00	Ms. Geeta Tomer	2,000.00
16,617,514.93	TIFAC Contribution		10,800.00	Sh. Surender Prasad	-
	Last Balance	17,340,028.00	66,400.00	Smt. Kavita Tyagi	32,800.00
14,756,379.00	Add: Received during the year	3,022,549.00	45,400.00	Sh. S.K. Muneshwar	91,600.00
4,473,906.00		20,362,577.00	5,000.00	Sh. Suresh Babu M	-
19,230,285.00	Less: Paid during the year	284,553.00	2,000.00	Sh. Deep Prakash	-
1,890,257.00		20,078,024.00	6,600.00	Ms. Rachna Bhatt	-
17,340,028.00			16,200.00	Sh. Sushil Kumar Jha	-
			40,000.00	Mr. P.R. Basak	-
			63,200.00	Mr. Mukesh Mathur	-
			32,800.00	Sh. Surinder Kumar	-
			2,720.00	Sh. Pankaj Sundriyal	-
			33,780.00	Sh. Ravinder Kumar	21,120.00
			34,600.00	Ms. Mercy James	17,800.00
			110,000.00	Sh. Suresh Somanchi	50,000.00
			-	Sh. T.Chakradhar	177,600.00
			-	Sh. Sumit kumar	30,000.00
			-	Mr. T. Adarsh	90,000.00
			-	Sh. Bishram Bhakta	31,250.00
			-	Bank Charges	67.00
53,697,847.63	Total	62,855,732.63	53,697,847.83	Total	62,855,732.63

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

Sd/-
Account Office
TIFAC

Sd/-
Registrar
TIFAC

Sd/-
Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



Contributory Provident Fund- TIFAC Statement of Affairs as on 31st March, 2013

Pervious Year as on 31.03.2012	PARTICULARS	Current Year as on 31.03.2013
5,186,000.63	Balance with UBI Deposit	10,323,979.63
520,330.00	Special deposit with RBI	520,330.00
46,444,260.00	Short Term deposit with (UBI)	50,630,779.00
422,472.00	Flexi Deposit -UBI	451,316.00
323,835.00	TIFAC TDS A/C	321,591.00
	Loan/ Advances to staff members	
86,750.00	Shri Anil Kumar Rai	45,050.00
63,150.00	Shri Arghya Sardar	5,550.00
23,450.00	Ms. Mala Sarpal	-
34,600.00	Ms. Mercy James	17,800.00
-	Sh.T. Chakradhar	177,600.00
-	Sh. T. Adarsh	90,000.00
-	Sh. Sumit kumar	30,000.00
98,000.00	Ms. Geeta Tomer	2,000.00
10,800.00	Sh. Surender Prasad	-
66,400.00	Ms. Kavita Tyagi	32,800.00
45,400.00	Sh. S.K. Muneshwar	91,600.00
110,000.00	Sh.Suresh Somanchi	50,000.00
33,780.00	Sh. Ravinder Kumar	21,120.00
31,000.00	Sh. Deepak Kumar	-
5,000.00	Sh. Suresh Kumar M	-
-	Sh. Bishram Bhakta	31,250.00
29,100.00	Ms. Uma Daral	12,900.00
2,000.00	Sh. Deep Prakash	-
6,600.00	Ms. Rachna Bhatt	-
16,200.00	Sh. Sushil Kumar Jha	-
40,000.00	Mr. P.R. Basak	-
63,200.00	Mr. Mukesh Mathur	-
32,800.00	Mr. Surinder Kumar	-
2,720.00	Mr. Pankaj Sundriyal	-
-	Bank Charges	67.00
53,697,847.63	Total	62,855,732.63

For Anil Bhatla & Company
Chartered Accountants
FRN : 012686N

Sd/-
Ch. Chandra Sekhar Patro
Partner
Membership No.091529

Sd/-
Account Office
TIFAC

Sd/-
Registrar
TIFAC

Sd/-
Executive Director
TIFAC

Date : 25.9.2013
Place : New Delhi



Auditor's Report

The Members,
National Mission on Bamboo Applications,
New Delhi.

We have audited the attached Balance Sheet of NATIONAL MISSION ON BAMBOO APPLICATIONS under Technology Information, Forecasting & Assessment Council (TIFAC), New Delhi as at 31st March, 2013 and the statement of Income & Expenditure Account for the year ended on that date annexed thereto.

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 observations as per Annexure AR-2 and comments given on significant accounting policies, contingent liabilities and notes to accounts as per schedules 24 & 25, we report that:-

- 1) We have obtained all the information and explanations 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 Applications-TIFAC, so far as appears from our examination of those books;
- 3) The Balance Sheet and statement of Income and Expenditure Account dealt with by this report are in agreement with the books of accounts;
- 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 and give a true and fair view:-
 - i) In case of Balance Sheet, of the state of affairs of the National Mission on Bamboo Application as at 31st March, 2013; and
 - ii) In case of Income & Expenditure Account, of the excess of expenditure over income for the accounting year ended on that date.

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Ch. Chandra Sekhar Patro
(Partner)
MRN: 091529

Date: 14.10.2013
Place: New Delhi



NATIONAL MISSION ON BAMBOO APPLICATIONS TECHNOLOGY INFORMATION, FORECASTING & ASSESSMENT COUNCIL (TIFAC)

STATUTORY AUDIT FOR F/Y 2012-2013

AUDIT OBSERVATIONS- AR 2

1. NMBA has given financial assistance in the form of Technology Development Assistance (TDA) to various Companies, Partnership firms and other concerns for technology advancement and related objects. As per the TDA sanction document and agreement entered between NMBA and the beneficiaries, the TDA amount will be repaid by the beneficiaries in installments at specified intervals and according to the terms of the agreement. We have observed that there are some cases where the TDA has not been repaid by the beneficiaries. The detailed break-up of the overdue amount are as under:-

Overdue upto six months	Overdue from more than six months upto 3 years	Overdue more than 3 years
Rs. 3,25,55,341.00	Rs. 3,45,53,080.00	Rs. 8,00,19,330.00

It may also be noted that the above information has been extracted from the memoranda records only as these are not reflected in the accounts owing to the accounting policy being followed of treating the amounts disbursed as expenditure and amounts refunded as incomes. The total outstanding amount of such repayments that have accumulated over the years have not been reflected in the financial statement of accounts.

2. As per Income Tax Act, 1961 tax is to be deducted either at the time of credit of such sum to the account of the payee, or at the time of payment thereof in cash or by issue of cheque or by any other mode, whichever is earlier. It was observed that TDS has been deducted on payment basis only i.e. at the time when payment has been made to parties.
3. TIFAC owns six floors in Viswakarma Bhawan, a building constructed on the IIT land. For the cleanliness of the building, TIFAC has given a contract for housekeeping of the six floors to M/s Pink Housekeeping. Out of the six floors one floor is occupied by NMBA which is being treated as a separate accounting entity. It is observed that out of the expenditure incurred on housekeeping which has been borne entirely by TIFAC no allocation has been made to NMBA for the purposes of arriving at the appropriate utilization of funds in view of their distinct and separate funding as well as separate accounting entity. To this extent, the utilization of funds have been overstated in the case of TIFAC and understated in the case of NMBA.
4. Similarly the expenses on account of electricity, security services, water and horticulture which has been reimbursed by TIFAC to IIT has not been allocated to NMBA and, therefore, to this extent, the utilization of funds have been overstated in the case of TIFAC and understated in the case of NMBA.
5. NMBA has granted TDA to various companies incorporated under the Companies Act in previous years. But we have observed that the particular of the security which has been provided to NMBA, against the TDA has not been registered with Registrar of Companies in some of the cases. In the absence of registration of charge, the security furnished by the company would have no relevance.
6. Audited financial statements/utilization statements duly certified by Chartered Accountants in respect of grant utilized/released during the year has not yet been received from the implementing agencies in some of the cases observed by us.
7. Insurance Policy and Insurance Premium payment receipt related to hypothecated assets have not been received by NMBA from the beneficiaries in some of the cases observed by us.



8. A Sum of Rs.4,02,123/- has been paid and booked as expense during the current financial year while these expenses relates to previous financial year for which no provision had been made in previous year. Hence the surplus for the current financial year has been reduced to the extent of Rs.4,02,123/- on account of expenditure pertaining to the previous year.
9. During audit we have observed that two employees on the payroll of TIFAC are working in NMBA getting Basic Salary, HRA, Other allowances etc. from TIFAC and medical expenses, tuition fee reimbursement etc. from NMBA. These payments were booked as expenditure respectively by TIFAC & NMBA to the extent paid by them. The total cost of the above employees should be borne by NMBA instead of partly by TIFAC & partly by NMBA in order to reflect actual utilization of funds by the respective accounting entity.
10. NMBA purchased bamboo flooring/products amounting to Rs. 17,24,970/- during the year and sold some of the stock amounting to Rs. 1,15,745/-. It has booked the purchases and sale of bamboo stock under the ledger head Warehouse Purchase and Warehouse Sales respectively (Group- Development of Technology-Grant, Direct Expenses and Other Income, Direct Income respectively). This methodology of recording needs to be re-examined in the interests of maintaining adequate accounting control.
11. During the course of our audit, we observed that NMBA has:
- Not maintained the following registers:
 - Tour Advance Register
 - Petty Cash Register
 - Not properly maintained the following register:
 - Stock Register
12. During the course of our audit it has been observed that some of the bills of M/s Deepak Travels were not accurate. Deepak Travels charge service tax on some of bills and not on all the bills submitted for payment, even the service tax registration no. was not mentioned on the bills submitted by the travel agent which is mandatory as per law.
13. On sample checking case, we have observed as follows:
- A) Golden Jubilee Park Phase-I of river Yamuna front project, DDA, Delhi
- NMBA received proposal from DDA, Delhi for construction of structures like - Flower Palace, Observation Tower, Machan Square, Tabular Bridges and Fire Hat Shelters. For this NMBA suggested type & technology of Bamboo material developed by M/s Bambutec Prefab Arunachal Private Limited, a NMBA supported company.
- For this project NMBA act as mediator between DDA & M/s Bambutec Prefab Arunachal Private Limited and sign MOU with both the parties.
- Total project cost: Rs. 5,40,33,800/-**
- One of the responsibilities of DDA and NMBA mentioned in the sanction document are:
- DDA
 - Shall make payments stage wise to NMBA after getting certification of satisfaction from reputed institutions mentioned above as regards structural/ design stability.



(ii) NMBA

(e) Release payment to Technology Provider after getting certification of satisfaction from DDA and as per the received stage wise payment from DDA

As per MOU Rs. 27,01,690/- has been received by NMBA in advance vide cheque no. 065264 dated 18.10.2012 and Rs. 27,01,690/- for 50% of next installment vide cheque no. 049424 dated 11.01.2013. Thereafter NMBA transfer the same amount to M/s Bambutec Prefab Arunachal private Limited.

NMBA informed DDA through its letter dated 16.10.2012, that NMBA being an exempted organization from tax vide Ministry of Finance, Department of Revenue, Director General of Income Tax, Order No. DGIT (E)/10 (23C)(iv)/2009-10/1142, dated 19th March ,2010 and request not to deduct TDS.

DDA release the above payment to NMBA without deducting TDS and afterwards NMBA release the same amount to M/s Bambutec Prefab (not an exempted organization). NMBA has not deducted income tax at source on the amount passed on to M/s Bambutec Prefab, as a result of which NMBA is in default in compliance with the provisions of Income Tax Act relating to TDS.

14. During our audit we have asked for the balance confirmation as on 31st March 2013 of Sundry Debtor - SERB amounting to Rs. 1,75,31,379/-, but no such confirmation has been provided to us for verification.



NATIONAL MISSION ON BAMBOO APPLICATIONS
TECHNOLOGY INFORMATION, FORECASTING & ASSESSMENT COUNCIL
REPLIES TO AUDIT OBSERVATIONS "ANNEXURE AR 2"

1. The TDA given to various Implementing Agencies, Company/firms are being vigorously monitored and pursued. Legal action as per provision of TDA repayment agreements has been initiated in most of the cases. Repayment of TDA in installments is being received from different companies/firms during the year.
2. NMBA has booked expenses when payments are due or company has raised bills and TDS has been deducted on such payment basis & deposited within 7th Days of following months.
3. NMBA is a Technology Mission with finite life. All six floors in Vishwakarma Bhawan are allotted and under control of TIFAC. Cleanliness of the building is the responsibility of TIFAC. Housekeeping contract is called for the maintenance of the building by TIFAC. Similarly Electricity, Security Services, Water and horticulture are also the responsibility of TIFAC. As NMBA is part of TIFAC there is no need for allocation of expenditure even though their accounting is separately maintained. Funds to both i.e. NMBA as well as TIFAC are provided by DST.
4. This point has been covered above under point 3. However, it is reiterated that TIFAC is the parent organization with legal status. NMBA is one of the missions under TIFAC with finite life. Mission's life is co-terminus with the plan. For the purpose of operative convenience the accounts of NMBA were segregated from TIFAC in 2005. Prior to 2005, the activities of the bamboo applications technologies and projects were being booked in TIFAC's accounts.
5. In TDA sanction cases, the security in repayable mode of TDA is by way of hypothecation of equipment and its registration with concerned ROC in case of Companies only. In case of partnership firms/proprietary concern, deed of hypothecation is executed by the agencies and submitted to NMBA. There are two or three cases only in which hypothecation is not registered with concerned ROC because of ignorance of the company director, delay in on line filing of hypothecation resulting in a long process through Company Law Board.
6. Audited financial statement/utilization certificate duly certified by Chartered Accountant for the previous release made by NMBA is invariably received from the implementing agencies only with the request for subsequent installment.
7. Companies/firms supported with TDA are being regularly followed up for getting the NMBA funded assets insured and submit a copy of the insurance policy (to NMBA).
8. The sum of Rs. 402123/- are all previous period expenses of which payment is made when bills are raised and they are invariably related to administrative/sundry expenses. The point is noted for future compliance as far as possible.
9. Reply in connection with Para No. 9, Sh. Shambhu Kumar and Ms. Suja S. George were taken by NMBA from TIFAC on loan basis to meet the urgent requirement of account related work at the time of mission initiation. The term and conditions were not defined. It has, however, ensured that no duplicate/double payments are made to them under medical, tuition fee and other reimbursement. Complete payment of Salary, HRA and all allowance as above can be done only when Sh. Shambhu Kumar and Ms. Suja S. George are taken on deputation by NMBA. However since no posts have been sanctioned for NMBA by MOF, so the two TIFAC pool staff cannot be taken on deputation. Several DST staff members with similar service condition are continuing in TIFAC since last more than 20 years.
10. Reply in connection with Para No. 10, NMBA is a research and technology related organization for development of bamboo products, processes and technologies. To promote the products like bamboo flooring, blinds, boards, sticks etc a space has been hired to stock some of these items. This is also to ensure that the products are made available to Delhi at short notice i.e. when the demand arises. This is in continuation of our product promotion scheme. Hence, the accounting treatment being meted out is appropriate.



11. Care will be taken to remove the anomalies.
12. (a) The observation regarding the non-authentication of bills by the official and the places being visited not being clear is baseless as all the bills are signed by the official and the places are clearly mentioned in the photocopy of the log book.
(b) The service tax being charged on some bills & not on others is absolutely the responsibility of the vendor. The vendor is responsible for depositing the service tax in the tax department.
13. The payment made to M/s Bambutec Arunachal P. Ltd. was an advance under the Project. The point is noted and the TDS would be deducted at the time of final payment to the party.
14. Two letters have been written to the SERB for balance confirmation on 23rd August and 12th September, 13 respectively. Telephonically, SERB has confirmed that they are in the process of issuing the letter and remitting the amount to NMBA.



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
BALANCE SHEET AS AT 31.03.2013**

(Amount Rs.)

CORPUS/CAPITAL FUND AND LIABILITIES	Schedule	Current Year	Previous Year
Corpus / Capital Fund	Schedule 1	430,910,506.95	468,832,832.72
Reserves and Surplus	Schedule 2	-	-
Earmarked / Endowment Funds	Schedule 3	-	-
Secured Loans and Borrowings	Schedule 4	-	-
Unsecured Loans and Borrowings	Schedule 5	-	-
Deferred Credit Liabilites	Schedule 6	-	-
Current Liabilites and Provisions	Schedule 7	2,270,366.00	1,507,444.00
TOTAL		433,180,872.95	470,340,276.72
ASSETS			
Fixed Assets (Net)	Schedule 8	2,814,789.58	3,079,722.85
Investments-From Earmarked / Endowment Funds	Schedule 9	-	-
Investments-Others	Schedule 10	-	-
Current Assets, Loans, Advances etc.	Schedule 11	430,366,083.37	467,260,553.87
Miscellaneous Expenditure (to the extent not written off or adjusted)	-	-	-
TOTAL		433,180,872.95	470,340,276.72
Significant Accounting Policies	Schedule 24		
Contingent Liabilities and Notes on Accounts	Schedule 25		

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Sd/-
(Ch. Chandra Sekhar Patro)
Partner
MRN: 091529

Sd/-
Accounts Officer
(NMBA)

Sd/-
Registrar
(NMBA)

Sd/-
Mission Director
(NMBA)

Date : 14.10.2013
Place : New Delhi



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Income & Expenditure Account for the year Ended as on 31.03.2013**

(Amount Rs.)

Income	Schedule / Annexure	Current Year	Previous Year
Income From Sales / Services	Schedule 12	-	-
Grants/Subsidies	Schedule 13	90,000,000.00	250,000,000.00
Fees / Subscriptions	Schedule 14	-	-
Income from Investment	Schedule 15	-	-
Income from Royalty, Publication Etc.	Schedule 16	20,643.00	29,335.00
Interest Earned	Schedule 17	18,901,203.50	15,507,233.00
Other Income (Including Partner Cont.)	Schedule 18	35,511,722.00	108,083,779.50
Refund from Projects & Others	Schedule 18 A	45,279,659.00	29,752,442.00
Increase/Decrease in Stock of Finished Goods & Work in Progress	Schedule 19	-	-
TOTAL (A)		189,713,227.50	403,372,789.50
EXPENDITURE			
Establishment Expenses	Schedule 20	9,161,206.00	8,996,995.00
Other Administrative Expenses etc.	Schedule 21	16,796,549.00	18,662,862.55
Expenditure on Grant ,Subsidies Etc.(Project Expenditures)	Schedule 22	200,947,118.00	279,099,190.37
Interest	Schedule 23	-	-
Depreciation on (Net Total at the Year end)	Schedule 8	485,703.27	575,796.15
TOTAL (B)		227,390,576.27	307,334,844.07
Prior Period Expenditure			
Reimbursement of Conveyance Expenses		6,180.00	-
Travelling Expenses (Domestic)		13,352.00	-
Website Maintenance		225,445.00	-
Total Prior period Expenditure		244,977.00	-
Balance being excess of Income over Expenditure (A-B)		0	96,037,945.43
Balance being excess of Expenditure over Income (A-B)		(37,922,325.77)	-
Balance being Surplus transferred to Corpus/Capital Fund		0	96,037,945.43
Balance being Deficit transferred to Corpus/Capital Fund		(37,922,325.77)	-
Significant Accounting Policies	Schedule 24		
Contingent Liabilities and Notes on Accounts	Schedule 25		

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Sd/-
(Ch. Chandra Sekhar Patro)
Partner
MRN: 091529

Sd/-
Accounts Officer
(NMBA)

Sd/-
Registrar
(NMBA)

Sd/-
Mission Director
(NMBA)

Date : 14.10.2013
Place : New Delhi



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

Schedule 1 - Corpus / Capital Fund

(Amount Rs.)

	Current Year	Previous Year
Opening Balance	468,832,832.72	372,794,887.29
Excess of Income Over Expenditure	-	96,037,945.43
TOTAL	468,832,832.72	468,832,832.72
Excess of Expenditure over Income	(37,922,325.77)	-
TOTAL	(37,922,325.77)	-
Closing Balance	430,910,506.95	468,832,832.72

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

**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

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)	0.00	0.00
Total (a+b)	0.00	0.00
c) Utilization / Expenditure towards objectives of funds		
i) Capital Expenditure		
Fixed Assets	0.00	0.00
Other	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

Note : 1) Disclosures shall be made under relevant heads based on conditions attached 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 on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

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 dues	0.00	0.00
4. Banks :		
5. Term Loans		
a) Interest accrued and due	0.00	0.00
b) Other Loans (Specify)	0.00	0.00
c) Interest accrued and due	0.00	0.00
6. Other Institutions and Agencies	0.00	0.00
7. Debentures and Bonds	0.00	0.00
8. Others (Specify)	0.00	0.00
Total	0.00	0.00

Note : Amounts due within one year

**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

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 :		
- Term Loans	0.00	0.00
- 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 Deposites	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 Hypothication 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 on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

Schedule 7 - Current Liabilities and Provisions

(Amount Rs.)

	Current Year	Previous Year
A. CURRENT LIABILITIES		
1. Acceptances	-	-
2. Sundry Creditors:		
a) For Goods	-	-
b) Others	844,476.00	116,762.00
3. Advance Received	-	-
4. Interest accrued but not due on:		
a) Secured Loans/borrowings	-	-
b) Unsecured Loans /borrowings	-	-
5. Statutory Liabilities:		
a) Over dues	-	-
b) Others: TDS Payable	136,156.00	-
6. Other current Liabilities		
Administrative Expenses Payable (Annexure 1)	119,611.00	107,395.00
Establishment Expenses Payable (Annexure 2)	658,496.00	672,230.00
Majnu Arya	-	1,057.00
Rajni	627.00	-
Rakesh Kumar	1,000.00	-
Security Retention Money		
Anil Enterprises, Dewas	100,000.00	100,000.00
Garnet Tools , Dewas	-	100,000.00
OVN Bio Energy P.Ltd. ,Gurgaon	100,000.00	100,000.00
Sree Engineers, Hyderabad	100,000.00	100,000.00
Deva Bamboo & Allied Ind., Imphal	5,000.00	5,000.00
Dhanjal Mechanical Works P. Ltd.	100,000.00	100,000.00
Prince Carbon & Charcoal Ind.	5,000.00	5,000.00
R.D. industries Corp., Kolkatta	100,000.00	100,000.00
TOTAL (A)	2,270,366.00	1,507,444.00
B. PROVISIONS		
1. For Taxation	-	-
2. Gratuity	-	-
3. Superannuation /Pension	-	-
4. Accumulated Leave Salary / Encashment	-	-
5. Trade Warranties/Claims	-	-
6. Others (Specify)	-	-
TOTAL (B)	-	-
TOTAL (A+B)	2,270,366.00	1,507,444.00

**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

Schedule 8-Fixed Assets

Amount – Rs)

	Rate of Depreciation	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 Opening Balance	On Addition 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. BUILDING											
a) On Freehold Land		-	-	-	-	-	-	-	-	-	-
b) On Leasehold Land		-	-	-	-	-	-	-	-	-	-
c) Ownership Flats/ Premises		-	-	-	-	-	-	-	-	-	-
d) Superstructures on Land not belonging to the entity		-	-	-	-	-	-	-	-	-	-
e) Interior Works	10%	3,319,566.00	6,538.00	-	3,326,104.00	994,195.50	232,537.05	653.80	1,227,386.35	2,098,717.65	2,325,370.50
3. Plant Machinery & Equipment	15%	-	-	-	-	-	-	-	-	-	-
4. Vehicles		-	-	-	-	-	-	-	-	-	-
5. Furniture & Fixtures	10%	119,277.00	-	-	119,277.00	47,136.20	7,214.08	-	54,350.28	64,926.72	72,140.80
6. Office Equipment	15%	599,769.00	114,899.00	-	714,668.00	197,148.10	60,393.14	11,879.85	269,421.09	445,246.91	402,620.90
7. Computer/ Peripherals	60%	1,604,703.00	99,333.00	-	1,704,036.00	1,423,788.00	108,549.00	49,675.00	1,582,012.00	122,024.00	180,915.00
8. Electric Installations		-	-	-	-	-	-	-	-	-	-
9. Library Books	100%	78,438.00	-	-	78,438.00	78,438.00	-	-	78,438.00	-	-
10. Tubewell & W. Supply		-	-	-	-	-	-	-	-	-	-
11. Fire Alarm Systems	15%	147,649.00	-	-	147,649.00	48,973.35	14,801.35	-	63,774.70	83,874.30	98,675.65
12. Other Fixed Assets		-	-	-	-	-	-	-	-	-	-
TOTAL OF CURRENT YEAR (A)		5,869,402.00	220,770.00	-	6,090,172.00	2,789,679.15	423,494.62	62,208.65	3,275,382.42	2,814,789.58	3,079,722.85
PREVIOUS YEAR		5,418,916.00	450,486.00	-	5,869,402.00	2,213,883.00	456,894.15	118,902.00	2,789,679.15	3,079,722.85	3,205,033.00
B. CAPITAL WORK IN PROGRESS											
TOTAL (A+B)		5,869,402.00	220,770.00	-	6,090,172.00	2,789,679.15	423,494.62	62,208.65	3,275,382.42	2,814,789.58	3,079,722.85



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

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 on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

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		
Finished Goods	-	-
Work-in-progress	-	-
Raw Materials	-	-
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding six months	-	-
b) Others		
3. Cash balances in hand (including cheques /drafts and Imprest)	-	-
4. Bank Balances:		
a) With Scheduled Banks:		
On Current Accounts	-	-
On Deposit Accounts (Short term deposits)	-	-
On Savings Accounts	410,059,414.87	449,178,271.87
b) With non-Scheduled Banks:		
On Current Accounts	-	-
On Deposit Accounts	-	-
On Savings Accounts	-	-
5. Post Office-Savings Accounts	-	-
TOTAL (A)	410,059,414.87	449,178,271.87



(Amount Rs.)

	Current Year	Previous Year
B. LOANS, ADVANCES AND OTHER ASSETS		
1. Loans	-	-
a) Staff		
HBA Advance:		
HBA Advance: Sh. Shambhu Kumar	534,600.00	550,000.00
Tour Advance:		
Tour Advance : Sh. Sudhir Pande	-	8,000.00
Tour Advance : Sh. Deepak Chauhan	15,000.00	15,000.00
Tour Advance : Sh. Sanjiv Nair	-	52,579.00
Tour Advance : Sh. Aseem Narain	564.00	105,131.00
Tour Advance : Sh. Rohit Sharma	95,062.00	75,062.00
Petty Cash Advance:		
Petty Cash Advance Sh. Baljit Singh Bansal	-	7,000.00
b) Other Entities engaged in activities/objectives similar to that of the entity	-	-
c) Others (Specify)	-	-
2. Advance and other amounts recoverable in cash or in kind or for value to be received.		
a) On capital Account	-	-
b) Prepayments for Projects	-	-
c) Others	-	-
Security Deposit: IITF 12	123,581.00	-
Security Deposit :Tata Indicom	200.00	200.00
Advance to Arunachal Plywood Industries Ltd.	-	160,520.00
Prepaid AMC Charges	5,250.00	-
Sundry Advance : Marboh Bamboo Prod. Pvt. Ltd. for marketing of Stick products by Shri Vinayak Industries	-	-
SERB- Advance for Interior Works at Vasant kunj	17,531,379.00	16,893,168.00
Advance to Siddhartha Baruah	25,000.00	-
4. Income Accrued		
a) On Investments from Earmarked/ Endowment Funds	-	-
b) On Investment – Others	-	-
c) On Loans and Advances	-	-
d) Others: Interest Accrued	1,760,410.50	-
5. Claims Receivable		
TDS (A.Y.- 2010-11)	215,622.00	215,622.00
TOTAL (B)	20,306,668.50	18,082,282.00
TOTAL (A+B)	430,366,083.37	467,260,553.87



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

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 Row 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 Brokerages	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)

(Irrevocable Grants & Subsidies Received)

(Amount Rs.)

	Current Year	Previous Year
1. From Central Government		
Grants in Aid (Plan)	90,000,000.00	250,000,000.00
Grant in Aid (Non plan)	-	-
2. State Government(s)	-	-
3. Government Agencies	-	-
4. Institutions/Welfare Bodies	-	-
5. International Organizations	-	-
6. Others (Specify)	-	-
TOTAL	90,000,000.00	250,000,000.00



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

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

(Income on Invest. From Earmarked/Endowment Funds transferred to Funds)

(Amount Rs.)

	Current Year	Previous Year
1. Interest		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2. Dividends:		
a) On Shares	-	-
b) On Mutual Fund Securities	-	-
3. Rents	-	-
4. Others (Specify)	-	-
TOTAL	-	-
TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS	-	-



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
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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	20643.00	29335.00
3. Others (Specify)	00.00	00.00
TOTAL	20643.00	29335.00

Schedule 17 - Interest Earned (Regular)

(Amount Rs.)

	Current Year	Previous Year
1. On Term Deposits:		
a) With Scheduled Banks	1,015,368.00	531,487.00
b) With Non-Scheduled Banks	-	-
c) With Institutions	-	-
d) Others	-	-
2. On Savings Accounts:		
a) With Scheduled Banks	17,885,835.50	14,975,746.00
b) With Non-Scheduled Banks	-	-
c) Post Office Savings Accounts	-	-
d) Others	-	-
3. On Loans:		
a) Employees/Staff	-	-
b) Others (Long term advances)	-	-
4. Interest on Debtors and Other Receivables	-	-
TOTAL	18,901,203.50	15,507,233.00



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

Schedule 18 - Other Income

(Amount Rs.)

	Current Year	Previous Year
1. Profit on Sale/ disposal of Assets		
a) Owned assets	-	-
b) Assets acquired out grants, of received free of cost	-	-
2. Export Incentives realized	-	-
3. Fees for Miscellaneous Services	-	-
4. Miscellaneous Income		
Other Receipt (RTI)	310.00	50.00
Misc. receipt from bamboo material stores	115,745.00	246,041.50
IITF: 2011 Refund	104,569.00	-
Refunds from Projects-Grant		
Station HQ NAMS, Khasa, Amritsar, Perimeter Fencing	30,060.00	-
Project Contribution/subsides for demonstration of Structure		
CRPF, Shivpuri	-	6,518,216.00
CRPF, Ranchi	-	3,990,303.00
Gargi College, Delhi	944,184.00	-
Govt. of Degree College Mandi	-	5,091,840.00
Govt. of Manipur Education	-	-
Lady Sriram College, Delhi	-	-
Kamala Nehru College, New Delhi	712,800.00	712,800.00
Kendriya Vidalya Sangathan , New Delhi	1,564,200.00	4,692,600.00
Rajsthan Council of Elementry Education	-	4,560,000.00
Shivaji College ,New Delhi	-	3,503,360.00
J&K Police ,Sri Nagar	-	31,081,025.00
ITBP, Shiv Ganga, Tmilnadu	2,569,638.00	1,803,092.00
DC, Jhiri , Mandi	-	424,800.00
Maitereyi College, New Delhi	734,184.00	-
Atma Ram Sanatan Dharam College, New Delhi	-	-
CRPF, Hyderabad	-	4,968,886.00



Schedule 18 - Other Income (Contd.)

(Amount Rs.)

	Current Year	Previous Year
CRPF, Vidya Nagar, Rajsthan	-	809,682.00
CRPF, Nagpur, Raipur	-	7,926,084.00
CEO,Sera Siksha Abhiyan, Nandurbar	-	31,755,000.00
ILF&S and TBM, Tripura	-	-
110 B/Stc. from CRPF- Chhatishgardh	-	-
Distt. Officer Education, Dakshin Bastar ,Chhatishgardh	-	-
Shaheed Bhagat Singh College,	-	-
SAS,Project Coordinator- Bijapur & others	-	-
CRPF, Amethi	3,643,568.00	
CRPF, GC, Sonapat	3,998,254.00	
DDA Golden Jubilee Park	5,403,380.00	
IIT Mandi	13,141,440.00	
Delhi University, North Campus	2,549,390.00	
TOTAL	35,511,722.00	108,083,779.50



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

Schedule 18A - Refunds from Projects & Other

(Amount Rs.)

	Current Year	Previous Year
: AAI Vally Carbon Pvt. Ltd., Dhali Gaon	-	20,000.00
: ABCPL, Est. of Bamboo Durosam / Igloo Unit, Kolkata	2,750,000.00	2,750,000.00
: Basera Building Centre, Bhopal	79,500.00	159,000.00
: Banik Agro Forest Products P. Ltd., Agartala	375,000.00	-
: Barak Bamboo Cane & Craft P. Ltd, Bamboo Cane Unit, Silchar	10,000.00	100,000.00
: Brahmaputra Enterprises , Guwahati	50,000.00	10,000.00
: Craftique Bamboo , Nagon	15,000.00	-
: Ceeke Bamboo & Wood Products P.Ltd., Aizwal	50,000.00	37,000.00
: Deva, Imphal Sliver & Furniture unit at Imphal (NEDFI)	-	639,146.00
: Dimru Food Industries, Tura	-	-
: Devine Bamboo Mat Mfg. Pvt. Ltd. ,	-	200,000.00
: DMWPL, Secondary bamboo Industries, Kolkata	1,800,000.00	900,000.00
: Erosee Way Pvt. Ltd., Nagpur	77,995.00	18,625.00
: Excel Bamboo Enterprises, Kohima	178,800.00	178,800.00
: GI Natural Fibre Composites Private Limited	2,750,000.00	-
: GT, Dewas mach. Instrument for better Qty.	-	680,000.00
: Grace RTP Bamboo P. Ltd., Mizoram	500,000.00	2,900,000.00
: Genetic Green Gold Pvt. Ltd.,	-	10,000.00
: Gopal Bharoi Tea Company, Guwahati	150,000.00	280,000.00
: Himalayan Agro & bamboo Industries	50,000.00	-
: HPC, Kolkatta for Tissue Culture Laboratory	750,000.00	750,000.00
: HPC, Nagon Paper Mills Ltd. for Bamboo Dust Gassifire	3,500,000.00	-
: Kerla State Bamboo Corp. Ltd., Angamaliya	-	-
: Kamdhenu Foods & Packaging-Bamboo Shoot-AL	1,140,000.00	-
: Konkan Specialities for thermo plastic unit at Mangalore	10,400,000.00	6,450,000.00
: Kosons Forest Products Pvt. Ltd., Guwahati	-	-
: Luit Valley Food processing P.Ltd.,Jorhat (add)	-	560,000.00
: Luit Valley Food processing P.Ltd.,Jorhat (NEDFI)	-	244,601.00

Schedule 18 A - Refunds from Projects & Other

(Amount Rs.)

	Current Year	Previous Year
: Manipur Craft & Bamboo Works	40,000.00	50,000.00
: Massing Product P. Ltd., Bamboo Board Unit at Guwahati	304,000.00	325,000.00
: Marboh Bamboo Product P. Ltd., Bamboo Board unit at Meghalaya	102,500.00	102,500.00
: Megha Bamboo Briquettes Private Limited	245,000.00	-
: Mizoram Joss Stick Industries,	-	135,000.00
: M. L. Commodities, Mumbai	213,538.00	187,000.00
: Malsom Bamboo Pvt. Ltd., Mizoram	-	-
: M. L. Incense Pvt. Ltd. , Mumbai	260,000.00	200,000.00
: Manjuridge	20,000.00	5,000.00
: Nano Steel Pvt. Pvt. Ltd.,	1,325,768.00	1,015,067.00
: North East Pure Beverages P.Ltd.,Dimapur	2,130,000.00	710,000.00
: Native Konac Bamboo Products Pvt.Ltd.,	1,650,000.00	275,000.00
: New Zone Bio Products Pvt. Ltd.,	50,000.00	692,109.00
Total (i)	30,967,101.00	20,583,848.00
: NFPL, Nagaland 1800TPA Bamboo Shoot project	200,000.00	350,000.00
: Patkai Bamboo P. Ltd., Est. of Bamboo Board unit at Chongkham	2,156,728.00	600,000.00
: Prince Charcoal & Carbon Ind. Najibabad	260,180.00	145,000.00
: P.S. Green Gold Bamboo Industries, Tripura	30,000.00	20,000.00
: Rahino Bamboo Industries, Est. of Bamboo Unit at Guwahati	340,000.00	412,494.00
: Rity Foods Processing P.Ltd.,Guwahati	100,000.00	120,000.00
: Shree Balaji Udhyog	210,000.00	-
: Swaranga Agrotech P. Ltd.: Est. of Bamboo Board Unit-Tinsukia	-	60,000.00
: Suta Bamboo Ind. Namsai	218,000.00	10,000.00
: Sree Govind Industries, Est. of Bamboo mat unit, Sindudurg	400,000.00	75,000.00
: Shree Laxmi Greetech	150,000.00	-
: SP Bamboo Stick	30,000.00	-
: Srvari Metal Works Pvt. Ltd., Hosure	2,772,000.00	3,696,000.00
: Sri Dharamsthala Siri Gramudhyoge Samiti, Karnataka	1,100,000.00	1,100,000.00
: St. Xavier's for Gassifire Unit at Bisram Ganj	-	100,000.00
: SVM Bamboo Ply & Mat Unit at Behra	300,000.00	196,000.00
: Shailesh Nursery Farm, Est. of plantation Farm unit-Kolhapur	-	-
: SPF Bongaigaon-sliver making unit	-	-



Schedule 18 A - Refunds from Projects & Other

(Amount Rs.)

	Current Year	Previous Year
: TBI, Est. of Bamboo Mat Unit at Tezu	180,000.00	-
: Vedha Mechanized profess unit at Nagpur	413,000.00	50,000.00
: Vighnraj Bamboo Products P. Ltd., Guwahati	335,000.00	163,300.00
: Wodergrass Initiative Private Limited	592,500.00	
: Wayfarer Tour & Travels Private Limited	96,000.00	
: WIMPL, Ludhiana for Adv. Machine Mfg. Unit	1,950,000.00	1,300,000.00
: Zocraft Bamboo P. Ltd., Aizwal	-	60,000.00
: Zonun Mat Ply P.Ltd., Est. of Stick making unit at Mizoram	2,339,750.00	710,800.00
: ZBI Bamboo Processing Flattened bamboo Unit at Lohit	139,400.00	-
Total (ii)	14,312,558.00	9,168,594.00
TOTAL (i) + (ii)	45,279,659.00	29,752,442.00



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

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 on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
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Schedule 20 - Establishment Expenses

(Amount Rs.)

	Current Year	Previous Year
1. Salaries	8,034,063.00	7,632,500.00
2. Allowances and Bonus	12,952.00	22,360.00
3. Employer Contribution to Provident Fund	270,373.00	473,942.00
4. Wages	69,800.00	-
5. Expenses on Employees' Retirement and Terminal Benefits	-	-
6. Others (Specify)		
Honorarium	-	10,000.00
Medical Reimbursement	670,964.00	696,873.00
Leave Travel Concession	-	82,400.00
Leave Salary	-	-
Tuition Fee	90,054.00	60,955.00
Pension Contribution	-	-
Periodical & Magazine Expenses	-	17,965.00
Transport allowance	13,000.00	-
TOTAL	9,161,206.00	8,996,995.00



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
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Schedule 21 - Administrative Expenses Etc

(Amount Rs.)

	Current Year	Previous Year
a) Repairs and Maintenance	27,847.00	335,466.00
b) Rent, Rates and Taxes	883,352.00	-
c) Car Hire Charges	3,266,101.00	3,500,327.00
d) Postage & Courier Charges	70,024.00	88,528.00
e) Printing and Stationary	260,427.00	947,873.00
f) Traveling Expenses (Domestics)	1,573,505.00	2,010,273.00
g) Expenses on Seminar/Workshops /Others Exp.(D)	6,919,020.00	6,205,608.00
h) Meeting Expenses	169,652.00	398,965.00
i) Auditors Remuneration	40,450.00	40,388.00
j) Advertisement and Publicity	376,869.00	240,000.00
k) Conveyance Charges	234,872.00	203,460.00
l) Telephone and Communication Charges	142,416.00	170,755.00
m) Internet Charges	410,844.00	456,347.00
n) Hardware & Internet Maintenance	105,600.00	-
o) Loss on sale of Fixed Assets		-
p) Legal & Professional Charges	838,950.00	193,520.00
q) Travel Abroad	157,146.00	2,575,360.00
r) International Conference /Workshop		398,845.00
s) Tally Software	10,900.00	
t) Publication of Books	201,250.00	
u) AMC	41,630.00	
v) Anti-Virus Software	20,895.00	
w) Website Charges	477,511.00	316,453.00
x) Honorarium Non Official	15,000.00	
y) MISC. Office Expenses	497,483.00	572,315.00
z) Multifunction Allowance	36,000.00	-
aa) Bank Charges	14,476.00	8,379.55
ab) Newspaper & periodicals	4,329.00	
TOTAL	16,796,549.00	18,662,862.55



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
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Schedule 22 - Expenditure on Grants, Subsidies Etc.

(Amount Rs.)

	Current Year	Previous Year
a) Grants given to Institutions/Organizations		
Grant (Annexure 3)	127,699,232.00	185,305,481.37
Loan (Annexure 4)	73,247,886.00	93,793,709.00
b) Subsidies given to Institutions/Organizations	-	-
TOTAL	200,947,118.00	279,099,190.37

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 on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

SCHEDULE - 24

SIGNIFICANT ACCOUNTING POLICIES

1. The Mission has adopted Accrual basis of accounting.
2. Fixed assets are stated at cost less accumulated depreciation. Cost comprises the purchase price and any attributable cost of bringing the asset to its working condition for its intended use.
3. Depreciation on fixed assets is computed on the written down value (WDV) method at the rates and in the manner prescribed under the provisions of Income Tax Act.
4. Prior period expenditure, extra-ordinary items and changes in accounting policies having material impact on the financial statements of the Mission are required to be disclosed.
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 year.
6. Unspent amount of grant received during the year has been transferred to Corpus/Capital Fund.
7. The repayment of grant/assistance to NMBA by the beneficiaries, as per the conditions stated in the agreement is accounted on receipt basis.
8. All disbursements (irrespective of its utilization) for projects are treated as expenditure during the Financial Year and assets if any created/purchased by the beneficiaries, out of the said disbursements to the project, are not accounted for as assets in the books of accounts.
9. Contingent liabilities in respect of on-going projects/studies etc. are neither provided nor determined.
10. Total expenditure is not bifurcated into plan and non-plan expenditure in the financial statements.

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Sd/-
(Ch. Chandra Sekhar Patro)
Partner
MRN: 091529

Sd/-
Accounts Officer
(NMBA)

Sd/-
Registrar
(NMBA)

Sd/-
Mission Director
(NMBA)

Date : 14.10.2013
Place : New Delhi



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)
Schedules Forming Part of Balance Sheet as at 31.03.2013**

SHCHEDULE- 25 CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

1. CONTINGENT LIABILITIES

1.1 Claims against the Entity not acknowledge 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. Rs. NIL (Previous year Rs. NIL)
- Sales Tax Rs. NIL (Previous year Rs. NIL)
- Municipal Taxes Rs. NIL (Previous year Rs. NIL)
- 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, Current Assets, Loans and Advances have a value on realization in the ordinary course of business at least equal to the amount at which they are stated 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.



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	Nil	Nil
Raw Materials & Components (Including in transit)	Nil	Nil
Capital Goods	Nil	Nil
Stores, Spares & Consumables	Nil	Nil
6.2 Expenditure in foreign currency:		
a) Travel	Nil	Rs. 6,58,075/-
b) Remittances and Interest Payment to Financial Institutions/ Banks in Foreign Currency	Nil	Nil
c) Other expenditure:		
- Commission on Sale	Nil	Nil
- Legal and Professional Expenses	Nil	Nil
- Miscellaneous Expenses	Nil	Nil
6.3 Earning:		
Value of Exports on FOB basis	Nil	Nil
6.2 Remuneration to Auditors:		
- Auditors Fee (inclusive of service tax)	Rs. 40,450.00	Rs. 37,079.00
- Taxation matters	Nil	Nil
- For management services	Nil	Nil
- For certificate	Nil	Nil
- Others	Nil	Nil

7. Stocks of Publications and studies which are published and printed by the NMBA and distributed at a cost are not accounted for as stock in hand at the end of the year.



वार्षिक रिपोर्ट-Annual Report 2012-2013

8. Liability towards gratuity payable on death/retirement of employees is not provided for.
10. Provision for accumulated leave encashment benefit to employees is not being made since it shall be accounted for on cash basis.
11. Some portion of Grant-in-aid for the year 2012-13 has been diverted and utilized for other projects though funding have been received subsequently from the implementing agency.
12. Previous year's figures have been regrouped/rearranged wherever found necessary, to make them comparable with current year figures.
13. Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet as at 31.03.2013 and the Income and Expenditure Account for the year ended on that date.

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Sd/-
(Ch. Chandra Sekhar Patro)
Partner
MRN: 091529

Sd/-
Accounts Officer
(NMBA)

Sd/-
Registrar
(NMBA)

Sd/-
Mission Director
(NMBA)

Date : 14.10.2013
Place : New Delhi



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)**

Annexure - 1

Administrative Expenses Payable

(Amount Rs.)

Particulars	Current Year	Previous Year
Conveyance expenses Payable	18,647.00	16,214.00
Miscellaneous Office Expenses Payable	30,094.00	5,938.00
Multifunction Allowance Payable	6,000.00	9,000.00
Newspaper & Periodicals Expenses Payable	128.00	110.00
Suspense Payable	934.00	934.00
Telephone Expenses Payable	5,123.00	23,795.00
Travelling Expenses Payable (Domestic)	18,235.00	-
Internet Charges Payable	-	3,607.00
Meeting Expenses Payable		10,718.00
Audit Fee Payable	40,450.00	37,079.00
	119,611.00	107,395.00

Establishment Expenses Payable

Annexure - 2

(Amount Rs.)

Particulars	Current Year	Previous Year
Salary Payable	605,736.00	624,270.00
Wages Payable	6,100.00	5,500.00
CPF Payable	45,448.00	42,248.00
LIC Payable	212.00	212.00
Transport Allowance Payable	1,000.00	-
	658,496.00	672,230.00



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)**

Annexure - 3

Grant

(Amount Rs.)

Particulars	Current Year	Previous Year
CONSOLIDATION OF TECHNOLOGIES-GRANT		
Assam Polic,Ulubari-Prefab Structure -CG	2,571,901.00	-
Bamboo Based Cold Storages in Meghalaya- A.B.Composites-CG	2,542,000.00	-
Demon. & Promotion of Bamboo Structural Grant	-	574,650.00
JU:R&D Project Feasibility of B/ Structur-NBC& CPWD	-	1,409,200.00
CRPF,GC,Sonipat-Prefab Structure-CG	3,471,906.00	-
CRPF,Jaipur, Rajasthan-Prefab Structure-CG	575,619.00	-
CRPF-J&KPolice Prefab Shelter-CG	984,500.00	5,105,516.00
CRPF,Nagpur-Prefab Structure	1,019,847.00	-
CRPF,Raipur,Chattisgarh-Prefab Structure-CG	3,399,490.00	-
CRPF,Sembo,Ranchi-Prefab Structure-CG	3,399,490.00	6,518,216.00
DU,Guest Rooms -CG	2,549,390.00	-
Gargi Collge- Prefab Shelter-CG	944,184.00	-
IIT,Mandi-Prefab Shelter - CG	11,456,622.00	5,091,540.00
IIT Mandi,Shelter for Office Camps-CG	1,684,800.00	-
ITBP,Sivaganga-Eng Bamboo Prefab Structure	2,489,408.00	1,883,322.00
Jaipur Warehouse	133,167.00	-
Kamla Nehru- Classroom Structure-CG	854,640.00	570,960.00
Kendriya Vidhyalaya-Andrews Ganj-Classrooms-CG	-	6,256,800.00
Maitreyi College-Prefab Structure-CG	782,208.00	839,549.00
RGSM, Awwapalli,Prefab Res Schhol-CG	7,113,600.00	-
RGSM,Bassaguda-Prefab for Res. School-CG	3,556,800.00	-
RGSM,Batwara-Prefab Res School-CG	4,405,973.00	2,707,627.00
RGSM, Bhadrakali, Chattisgarh- Prefab for Residential Schools-CG	3,556,800.00	-
RGSM,Chenakodepal-Prefab for Res Schools- CG	7,113,600.00	-
RGSM,Cherpal, Chattisgarh-Prefab Shelter- CG	355,700.00	6,757,900.00
RGSM,Gangloor,Chattisgarh-Prefab Shelter -CG	4,405,973.00	2,707,627.00
RGSM,Mirtur-Prefab for Res.School-CG	4,405,938.00	2,707,662.00



(Amount Rs.)

	Current Year	Previous Year
RGSM,Murkinar-Prefab for Res School-CG	3,556,800.00	
RGSM-NARYANPUR-Res .School-CG	6,846,492.00	2,710,706.00
Total(i)	84,176,848.00	45,841,275.00
RGSM,Pamed-Shelter for Res. Schools- CG	2,443,548.00	
RGSM, Tarlaguga, Chattisgarh- Prefab for Residential Schools-CG	3,556,800.00	
RGSM,Ursoor-Prefab for Residential Schools	14,227,200.00	
SSA, Manipur- Kitchen Cum Store	17,122,538.00	3,541,587.00
Ukhimath-Cloud Burst-Prefab-CG	139,000.00	
Perfab Stc. CRPF Ranchi 10stct.	-	11,434,316.00
Prefab Igloo Shelter for ITBP & BSF at Site	-	1,162,335.00
Prefab Puf Stct. for Science & Tech.,Meghalya	-	800,000.00
Prefab Stc.:110 for CRPF,Chhatisgarh- Adv.62 No. St	-	11,851,778.00
Prefab Stc.-12 for Distt. Project Co-Ord.-Penekonda	-	4,405,938.00
Prefab Stct.:100 No. for DC Leh,Disaster Relif Clou	-	1,399,500.00
Prefab Stct. :5 No. for Agnivesh,Gurgaon	-	847,803.00
Prefab Stct. 12 No. for Bedere Behramgarh-Sp Eng.	-	7,113,600.00
Prefab Stct. 54 No. Stf Primary Schoole,Nandubar	-	22,202,127.00
Prefab Stct. 6 No. for Karkele Block by S.P. Eng.	-	3,556,800.00
Prefab Stct. 6 No. for Somanpalli by S.P. Eng.	-	3,556,800.00
Prefab Stct. for Cafe Cum Souvenir at Jhiri,Mandi(D	-	424,800.00
Prefab Stct. for CRPF - Hyderabad	-	4,949,235.00
Prefab. Stct. for Crpf-J&K-2 Coy/location-Srinagar	-	16,564,000.00
Prefab Stct. for Disaster Relif Sikkim -10 No.	-	6,820,000.00
Prefab Stct. for Maharaja Agrasen College,Delhi	-	95,135.00
Prefab Strct. for Bodoland Titorial Devp.,Kokrajha	-	125,000.00
Prefab Strct. to Rajv Gandhi Siksha Mission for 96	-	13,325,756.00
Prefab Structure 4 No. for Shivaji College -Mascot	-	3,503,360.00
Prefb Stct. for CRPF, Jaipur -18 No.	-	436,484.00
Prefab Stc.-12 for Distt. Project Co-Ord.,Keshkutul	-	4,405,938.00
Total (ii)	37,489,086.00	122,522,292.00
TOTAL (i) + (ii) = (A)	121,665,934.00	168,363,567.00



(Amount Rs.)

	Current Year	Previous Year
DEVELOPMENT OF TECHNOLOGY - GRANT		
CFTRI- Value Addition Bamboo Shoots- DG	63,634.00	126,366.00
Folk Tales of Bamboo-BOOK-Minhazz	-	175,000.00
FSC-Certification of Bamboo Forest,Bamragarh-DG	285,593.00	111,936.00
Gee Gee Foods-Marketing Ofshoots-DG	420,000.00	380,000.00
ILD,Jaipur-Farm Demo & Training-DG	168,406.00	1,515,657.00
IWST-Cellulose Nano Whiskers-DG	79,310.00	-
Kanak Exports-Promotion of Bamboo -DG	107,892.00	2,353,330.37
Proposals on Energy Efficiency Formulation of Draft Standards,IPIRITI -DG	200,000.00	-
Warehouse purchase	1,724,970.00	1,925,062.00
Sustainable Development-Modern Bamboo Structure-DG	100,000.00	993,425.00
Timpack - BIS License Fees	88,764.00	-
IIT Devpt. of MDI,Bamboo Composite Laminates	-	191,000.00
S Infotech:E-Learning Cources on Bamboo with Cd-	-	150,000.00
SRF Film & Multimedia Presentation on NMBA	-	2,651,420.00
TOTAL (B)	3,238,569.00	10,573,196.37
TECHNOLOGY ASSESSMENT - GRANT		
BODOLAND BAMBOO MANUF P.LTD.-Mat Weaving	234,000.00	80,000.00
CBTPD,Kotdwar-AG	1,330,269.00	
COGNIZANCE,12-IIT,Roorkee	50,000.00	
COGNIZANCE,13-IIT Roorkee	100,000.00	
Navdrishti- Worksop	100,000.00	
SIIR-Plants for Hygiene Products-AG	259,500.00	
Sri Sankara Edu.& Charitable Trust-AG	225,000.00	
Testing Charges	93,149.00	101,477.00
Village Development Society,Manipur	402,811.00	
EF:Setting of Bamboo Retail Store-Ahmedabad(Eklavya	-	800,000.00
Setting of Colstorage in Haryana-Sirsa,Karnal,Panch	-	800,000.00
SWC,LKO:Training for Women Through Sonbhadra Distt.	-	85,884.00
TBS:Marketing of Bamboo Product,New Delhi	-	675,000.00
TERI:Testing for Estimating Total Tar Inraw Gasifir	-	200,000.00



(Amount Rs.)

	Current Year	Previous Year
WKI:Devpt. Bamboo Hydroponic Unit-Mumbai	-	493,000.00
WKINC:Setting of Bamboo Store at Alibag Mumbai	-	952,977.00
EGW:Skill Training of Woman Bamboo Artisans	-	300,000.00
Training Centre -Development Society Temlong Distt.	-	527,000.00
Training Centre,Tapi Bamboo Devt. Centre,Ahmedabad	-	352,205.00
Training Centre -UBFDB at CBTPD,PANIYALI,Kotdwar	-	1,001,175.00
TOTAL (C)	2,794,729.00	6,368,718.00
TOTAL EXPENDITURE ON GRANTS (A+B+C)	127,699,232.00	185,305,481.37



**National Mission on Bamboo Applications
Technology Information, Forecasting & Assessment Council (TIFAC)**

Annexure - 4

Loan

(Amount Rs.)

Particulars	Current Year	Previous Year
CONSOLIDATION OF TECHNOLOGIES -LOAN		
DDA,Golden Jubilee Park -CL	5,403,380.00	-
MMJ Exports P.Ltd.-Expansion of Existing Unit-CL	4,375,000.00	13,125,000.00
Nutech Bamboo Projects -Bamboo Timber-CL	6,000,000.00	48,000,000.00
Shreeluxmi Greentech-Stick Making-CL	500,000.00	-
DBMMPL:Bamboo Mat Boar Unit-Kolhapur	-	2,500,000.00
GINFCP:Est. of NFTC Bamboo Juit Composite Unit-Kol.	-	3,780,000.00
MI Comodities:W/c for Supply of 9 Ton B/material	-	202,500.00
TOTAL (a)	16,278,380.00	67,607,500.00
DEVELOPMENT OF TECHNOLOGIES -LOAN		
Wondergrass Initiative-Tech for Rural Housing-DL	987,500.00	-
AR Bamboo:Est. B/stick,Skewear,Charcoal- Orisa	-	1,888,400.00
BE :Est. of Bamboo Stick/strip Unit Nagon	-	688,842.00
BTAPL:Est. Joint in Stct Frame & Trusses ,-Siang	-	8,000,000.00
KFP:Est. Bamboo Shoot Processing Unit,Gwh.	-	1,140,000.00
Manjuriidge:Est. of B/sq. Stick Making Unit Dispur	-	260,000.00
Mcbw:Est. Bamboo Stick/charcoal Unit,Keinou	-	254,682.00
MLC:Est. Agarbati Making Unit at Mahad Dstt. Raiga	-	2,500,000.00
TOTAL (b)	987,500.00	14,731,924.00
TECHNOLOGY ASSESSMENT -LOAN		
B.Food & Beverages-Shoot Processing & RO-AL	570,000.00	-
Brahmaputra Forest Products-Bamboo Mat Board-AL	2,400,000.00	1,100,000.00
DLS Industries P.Ltd.-Timber Manuf Unit-AL	6,000,000.00	-

(Amount Rs.)

	Current Year	Previous Year
Goyary Bamboo Marketing-Square Sticks- AL	1,200,000.00	960,000.00
Holyland Marketing P.Ltd.-Bamboo Shoot-AL	6,680,000.00	2,500,000.00
Kavia CarbonP.Ltd.-Activated Carbonmanuf Unit-AL	25,300,000.00	-
Konkan Speciality-Bamboo Fibre Thermoplastics-AL	11,500,000.00	-
M.L.Incense P.Ltd.-Manuf of Raw Agarbatti-AL	540,000.00	2,500,000.00
Navdrishti-CFC for Bamboo Charcoal & Stick-AL	1,792,006.00	-
SBU,Tripura:Est. Agarbati Masala & Charcoal Unit,Tr	-	494,285.00
Wayfare Tour:Est. New Eco Frindly Turism Resort-Mun	-	3,300,000.00
Bangloi Mat:Est. of Bamboo Mat Unit-Dimapur	-	600,000.00
TOTAL (c)	55,982,006.00	11,454,285.00
TOTAL EXPENDITURE ON LOANS (a+b+c)	73,247,886.00	93,793,709.00



**National Mission on Bamboo Application
Technology Information Forecasting & Assessment Council (TIFAC)
Receipts & Payments Account for the year ended 31.03.2013**

RECEIPTS	Current Year Amount (Rs.)	Previous year (Amount (Rs.))
1 Opening Balances		
a) Cash in hand	-	-
b) Bank balances		
i) In Current Accounts	-	-
ii) In Deposit Accounts	-	-
iii) Savings Accounts	449,178,271.87	370,509,996.29
2 Grants Received		
a) From Government of India	90,000,000.00	250,000,000.00
b) From State Government	-	-
c) From Other Sources (details)	-	-
3 Income on Investments from		
a) Earmarked/Endowment Funds	-	-
b) Own Funds	-	-
4 Interest Received		
a) On Bank Deposits	17,140,793.00	15,507,233.00
b) Loans Advances etc.	-	-
5 Other Income (Specify)		
Sale of Publications	20,643.00	29,335.00
Misc. receipt from bamboo material	56,225.00	246,041.50
Other Receipt (RTI)	310.00	50.00
Refund of security deposit IITF-11	104,569.00	
6 Amount Borrowed	-	-



	Current Year Amount (Rs.)	Previous year (Amount (Rs.))
7 Any Other Receipts (Give Details)		
a) Project Contribution/subsides for demonstration of Structure	35,261,038.00	107,837,688.00
b) Refund from Projects-Grant (Schedule 18A)	30,060.00	29,752,442.00
c) Refund from Projects-Loan	43,023,164.00	-
d) Salary Receivable	-	48,936.00
e) Ms. Manju Arya	-	1,057.00
f) Sundry advance: Marboh Bamboo Prd. P.Ltd.	-	73,500.00
g) Maturity of Fixed deposit with Bank of Baroda	30,000,000.00	-
h) Refund of HBA-Shambhu Kumar	15,400.00	-
i) Refund from PNP Jaipur warehouse	27,353.00	-
j) Other Advance		
Advance-Baljit Singh	25,451.00	-
Advance-Kamal Nagpal	6,065.00	-
k) Tour Advance		
Tour Advance-Krishna Kumar	251.00	-
Total (i)	664,889,593.87	774,006,278.79



**National Mission on Bamboo Application
Technology Information Forecasting & Assessment Council (TIFAC)
Receipts & Payments Account for the year ended 31.03.2013**

PAYMENT	Current Year Amount (Rs.)	Previous year (Amount (Rs.))
1 Expenses		
a) Establishment Expenses (corresponding to Schedule 22)	9,030,580.00	8,885,821.00
b) Administrative Expenses (corresponding to Schedule 23)	16,172,240.00	18,938,116.55
2 Payments made against funds for various projects		
Grants given to Institutions/Organisations		
Consolidation of Technologies-Grant	119,625,247.00	
Consolidation of Technologies-Loan	16,278,380.00	
Development of Technologies-Grant	2,535,069.00	
Development of Technologies-Loan	987,500.00	
Technology Assessment-Grant	2,773,044.00	
Technology Assessment-Loan	55,982,006.00	
	198,181,246.00	279,415,643.37
3 Investments & Deposits made		
a) Out of Earmarked/Endowment Funds	-	-
b) Out of Own Funds (Investments-Others)	-	-
4 Expenditure on Fixed Assets & Capital Work-in Progress		
a) Purchase of Fixed Assets	220,770.00	450,486.00
b) Expenditure on Capital Work-in Progress	-	220,770.00
5 Refund of surplus money/loans		
a) To the Government of India	-	-
b) To the State Government	-	-
c) To other providers of Funds	-	-
6 Finance Charges (Interest)	-	-
7 Other Payments (Specify)		
Other Advance		
Advance-Baljit Singh	40,000.00	-
Advance-Kamal Nagpal	20,000.00	-



		Current Year Amount (Rs.)	Previous year (Amount (Rs.))
Advance-Krishna Kumar	30,000.00		-
Advance Ramya Chakravarthy	31,000.00		-
Tour Advance			
Tour Advance-Ajay	40,000.00		-
Tour Advance-Aseem	30,000.00		105,131.00
Tour Advance Deepak Chauhan	18,000.00		10,000.00
Tour Advance-Krishna Kumar	5,000.00		-
Tour Advance -Rohit Sharma	40,000.00		75,062.00
Tour Advance: Sh. Sanjiv Nair	-	254,000.00	52,579.00
Total (i)		223,858,836.00	307,932,838.92
Medical Advance			
Aseem Narain Medical Advance	64,551.00		
Petty Cash Advance			
Petty Advance for office: Sh. Baljit Singh	-		2,000.00
Personal Loan			
Personal Loan- Ravinder	20,000.00		-
Others			
Sundry Advance for SERB as Interior Works at Vasant Kunj	638,211.00		16,893,168.00
Refund of Earnest Money	100,000.00		-
Security Deposit for IITF-12	123,581.00		-
Fixed Deposit with Bank of Baroda	30,000,000.00		-
Advance to Siddarth Baruah	25,000.00	30,971,343.00	-
8 Closing Balances			
a) Cash in hand	-		-
b) Bank balances			
i) In Current Accounts	-		-
ii) In Deposit Accounts	-		-
iii) Savings Accounts	410,059,414.87	410,059,414.87	449,178,271.87
Total (ii)		441,030,757.87	466,073,439.87
Total		664,889,593.87	774,006,278.79



Auditor's Report

The Members,
Mission for Geo Spatial Applications,
New Delhi.

We have audited the attached Balance Sheet of MISSION FOR GEO SPATIAL APPLICATIONS under Technology Information Forecasting & Assessment Council (TIFAC), New Delhi as at 31st March, 2013 and the Statement of Income & Expenditure Accounts for the year ended on that date annexed thereto.

These financial statements are the responsibility of the management of the Mission for Geo Spatial 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 AR - 3 and comments given on significant accounting policies, contingent liabilities and notes on accounts as per schedules 24 & 25, we report that:-

1. We have obtained all the information and explanations 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 Mission for Geo Spatial Applications - TIFAC, so far as appears from our examination of those books;
3. The Balance Sheet and Statement Income and Expenditure Account 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 and give a true and fair view:-
 - a. In case of Balance Sheet, of the state of affairs of the Mission for Geo Spatial Applications as at 31st March, 2013; and
 - b. In case of Income & Expenditure Account, of the excess of income over expenditure for the year ended on that date.

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Ch. Chandra Sekhar Patro
(Partner)
MRN: 091529

Date: 14.10.2013
Place: New Delhi



MISSION FOR GEO SPATIAL APPLICATIONS
TECHNOLOGY INFORMATION, FORECASTING & ASSESSMENT COUNCIL (TIFAC)
STATUTORY AUDIT FOR F/Y 2012-2013

AUDIT OBJECTIONS- AR 3

1. As per Income Tax Act, 1961 tax is to be deducted either at the time of credit of such sum to the account of the payee, or at the time of payment thereof in cash or by issue of cheque or by any other mode, whichever is earlier. But in MGA TDS has been deducted on payment basis i.e. at the time when payment has been made to parties.
2. TIFAC owns six floors in Viswakarma Bhawan, a building constructed on the IIT land. For the cleanliness of the building, TIFAC has given a contract for housekeeping of the six floors to M/s Pink Housekeeping. Out of the six floors one floor is occupied by MGA which is being treated as a separate accounting entity. It is observed that out of the expenditure incurred on housekeeping which has been borne entirely by TIFAC no allocation has been made to MGA for the purposes of arriving at the appropriate utilization of funds in view of their distinct and separate funding as well as being a separate accounting entity. To this extent, the utilization of funds have been overstated in the case of TIFAC and understated in the case of MGA.
3. Similarly the expenses on account of electricity, security services, water and horticulture which has been reimbursed by TIFAC to IIT has not been allocated to MGA and, therefore, to this extent, the utilization of funds have been overstated in the case of TIFAC and understated in the case of MGA.
4. A Sum of Rs.2,65,469/- has been paid and booked as expense during the current financial year while these expenses relate to previous financial year for which no provision had been made in the previous year. Hence the surplus for the current financial year has been reduced to the extent of Rs.2,65,469/- on account of expenditure pertaining to the previous year.
5. In addition to the medical expenses paid towards the medical treatment of the employees and their family members on the lines of the CGHS scheme, a reimbursement is also being made on the basis of other medical bills submitted by the employees, subject to limits (with a maximum of Rs. 20000/-) fixed for each employee as per the Pay plus Grade Pay of the employee. This expenditure which is not in line with the CGHS scheme would be covered under proviso (v) of sub-section 2(viii) of section 17 of Income tax Act, 1961 and, therefore, any expenditure so incurred beyond the limit of Rs. 15000/- prescribed under the said provisions would be taxable as a perquisite on which tax is required to be deducted at source. It is observed that MGA have not complied with the aforesaid provisions of Income Tax Act.
6. As per medical register maintained by MGA Rs. 4,829/- has been paid to Mr. Joginder Singh on 28.03.2013, Rs. 2,026/- to Mr. Rajendra Jena on 28.03.2013 and Rs. 1,231/- to Mr. Rahul Kumar Mishra on 28.03.2013 as medical reimbursement, but the same amount has not been taken into account while finalizing the Books of Accounts for the FY 2012-13. Due to this current year expenditure has been understated by Rs. 8,086/-.
7. Tour Advance to Ms. Geetanjali R.C & Sh. Rajendra Jena amounting to Rs. 1,006/- and Rs.9, 004/- respectively has been outstanding and unadjusted since last year under Schedule 4 - Loans & Advance.
8. During the course of our audit, we observed that MGA has:
 - a) Not maintained the following registers:
 - Tour Advance Register
 - Petty Cash Register
 - b) Not properly maintained the following register:
 - Medical Reimbursement Register
 - Stock Register
9. During our audit it is observed that MGA has been hiring Car services from four different operators for the travelling needs of the officials of MGA but no separate quotation has been invited by MGA for the said services.
10. During our audit we have observed that some of the invoices of Travel with Mars were undated.
11. Travelling expenses of MGA of Rs. 22,24,413/- constitute 39.53 % of the total administrative expenditure.



**MISSION FOR GEO SPATIAL APPLICATIONS
TECHNOLOGY INFORMATION, FORECASTING & ASSESSMENT COUNCIL (TIFAC)**

REPLIES TO AUDIT OBSERVATIONS "ANNEXURE AR 3"

1. MGA has booked expenses when payments are actually made. The Firm/Company has raised bills and TDS has been deducted on such payment basis & deposited within 7th day of the following month.
2. In respect of Point (2), MGA is a Technology Mission with finite life. Since the six floors are allotted to TIFAC, hence cleanliness of the building is the responsibility of TIFAC. Similarly Housekeeping, Electricity, Security Services, Water and horticulture are the responsibility of TIFAC and as MGA is part of TIFAC, there is no need for allocation of expenditure even though their accounting is separately maintained. Funds to both i.e. MGA as well as TIFAC are provided by DST.
3. Same as Point No. 2 above.
4. The point no. (4) has been noted for future compliance.
5. The Medical reimbursement is extended to MGA staff on the basis of CGHS scheme of Central Government. The point No. (5) has been noted for future compliance.
6. The point no. (6) has been noted for final settlement during the F.Y 2013-14.
7. Same as Point No. 6 above.
8. Same as Point No. 6 above
9. Point No. 9 - Care will be taken to remove the anomalies.
10. The point no. 10- care shall be taken in future.
11. The Point no. 11 - In MGA , the duties have to be performed in the field of different states. The officials have to travel for almost 20 days in a month for installation of equipment. Hence , travelling expenses are on the higher side.

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Sd/-
Ch. Chandra Sekhar Patro
(Partner)
MRN: 091529

Sd/-
Accounts Officer

Sd/-
Mission coordinator

Sd/-
Mission Director

Date: 14.10.2013
Place: New Delhi



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Balance Sheet as on 31.03.2013**

(Amount Rs.)

CORPUS/CAPITAL FUND AND LIABILITIES	Schedule	Current Year	Previous Year
Corpus / Capital Fund	Schedule 1	58,435,652.66	32,544,121.16
Reserves and Surplus	Schedule 2	-	-
Earmarked / Endowment Funds	Schedule 3	-	-
Secured Loans and Borrowings	Schedule 4	-	-
Unsecured Loans and Borrowings	Schedule 5	-	-
Deferred Credit Liabilities	Schedule 6	-	-
Current Liabilities and Provisions	Schedule 7	1,723,666.00	2,200,990.00
TOTAL		60,159,318.66	34,745,111.16
ASSETS			
Fixed Assets (Net)	Schedule 8	5,696,150.00	10,511,524.00
Investments-From Earmarked / Endowment Funds	Schedule 9	-	-
Investments-Others	Schedule 10	-	-
Current Assets, Loans, Advances etc.	Schedule 11	54,463,168.66	24,233,587.16
Miscellaneous Expenditure (to the extent not written off or adjusted)	-	-	-
TOTAL		60,159,318.66	34,745,111.16
Significant Accounting Policies	Schedule 24		
Contingent Liabilities & Notes on Accounts	Schedule 25		

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Sd/-
Ch. Chandra Sekhar Patro
(Partner)
MRN: 091529

Sd/-
Accounts Officer

Sd/-
Mission coordinator

Sd/-
Mission Director

Date: 14.10.2013
Place: New Delhi



**Mission for Geo Spatial Applications
Technology Information Forecasting & Assessment Council, (TIFAC)
Income & Expenditure Account as on 31.03.2013**

(Amount Rs.)

	Schedule / Annexure	Current Year	Previous Year
INCOME			
Income From Sales / Services	Schedule 12	-	-
Grants/Subsidies	Schedule 13	95,220,143.00	196,386,219.00
Fees / Subscriptions	Schedule 14	-	-
Income from Investment	Schedule 15	-	-
Income from Royalty, Publication Etc.	Schedule 16	-	-
Interest Earned	Schedule 17	1,831,352.00	1,771,858.00
Other Income (Including Partner Cont.)	Schedule 18	-	45.00
Increase/Decrease in Stock of Finished Goods & Work in Progress	Schedule 19	-	-
TOTAL (A)		97,051,495.00	198,158,122.00
EXPENDITURE			
Establishment Expenses	Schedule 20	18,415,469.00	21,654,414.00
Other Administrative Expenses etc.	Schedule 21	5,626,428.50	12,775,847.00
Expenditure on Grant ,Subsidies Etc.(Project Expenditures)	Schedule 22	41,195,522.00	161,462,549.00
Interest	Schedule 23	-	-
Depreciation on (Net Total at the Year end)	Schedule 8	5,922,544.00	10,029,948.00
TOTAL (B)		71,159,963.50	205,922,758.00
Balance being excess of Income over Expenditure (A-B)		25,891,531.50	-
Balance being excess of Expenditure over Income (A-B)		-	7,764,636.00
Balance being Surplus transferred to Corpus/Capital Fund		25,891,531.50	-
Balance being Deficit transferred to Corpus/Capital Fund		-	7,764,636.00
Significant Accounting Policies	Schedule 24		
Contingent Liabilities & Notes on Accounts	Schedule 25		

As per our report of even date Annexed herewith

For Anil Bhatla & Company

Chartered Accountants

FRN: 012686N

Sd/-
Ch. Chandra Sekhar Patro
(Partner)
MRN: 091529

Sd/-
Accounts Officer

Sd/-
Mission coordinator

Sd/-
Mission Director

Date: 14.10.2013

Place: New Delhi



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 1 - Corpus / Capital Fund

(Amount Rs.)

	Current Year	Previous Year
Opening Balance	32,544,121.16	40,308,757.16
Excess of Income Over Expenditure	25,891,531.50	-
TOTAL	58,435,652.66	40,308,757.16
Excess of Expenditure over Income	-	7,764,636.00
TOTAL	-	7,764,636.00
Closing Balance	58,435,652.66	32,544,121.16



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

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	-	-
Sub-Total (a)	-	-
2. Revaluation Reserves :		
As per last Account	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
Sub-Total (b)	-	-
3. Special Reserve :		
As per last Account	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
Sub-Total (c)	-	-
4. General Reserve :		
As per last Account	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
Sub-Total (d)	-	-
TOTAL (a) to (d)	-	-



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 3 - Earmarked/Endowment Funds

(Amount Rs.)

	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 Fund	-	-
iii) Other Additions (Specify)	-	-
TOTAL (a+b)	-	-
c) Utilization /Expenditure towards objectives of funds		
i) Capital Expenditure		
Fixed Assets	-	-
Others	-	-
ii) Revenue Expenditure		
Salary, Wages and allowance etc	-	-
Rent	-	-
Other Administrative Expenses	-	-
TOTAL (c)	-	-
NET BALANCE AT THE YEAR END (a + b- c)	-	-

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



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

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:	-	-
5. Term Loans		
a) Interest accrued and due	-	-
b) Other Loans (specify)	-	-
c) Interest accrued and due	-	-
6. Other Institutions and Agencies	-	-
7. Debentures and Bonds	-	-
8. Others (Specify)	-	-
TOTAL	-	-

Note : Amounts due within one year



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 5 - Unsecured Loans and Borrowings

(Amount Rs.)

	Current Year	Previous Year
1. Central Government	-	-
2. State Government (Specify)	-	-
3. Financial Institutions	-	-
4. Banks:		
- Term Loans	-	-
- 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
1. Central Government	-	-
a) Acceptances secured by hypothecation of Capital equipment and other assets	-	-
b) Others	-	-
TOTAL	-	-

Note : Amounts due within one year



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 7 - Current Liabilities and Provisions

(Amount Rs.)

	Current Year	Previous Year
A. CURRENT LIABILITIES		
1. Acceptances	-	-
2. Sundry Creditors:		
a) For Goods	-	-
b) Others		
3. Advance Received	-	-
4. Interest accrued but not due on:		
a) Secured Loans/borrowings	-	-
b) Unsecured Loans /borrowings	-	-
5. Statutory Liabilities:		
a) Over dues	-	-
b) Others	-	-
6. Other current Liabilities		
a) Salary Payable	1,113,192.00	1,374,819.00
b) C.P.F. Payable	87,787.00	84,044.00
c) Group Insurance Payable	1,037.00	1,293.00
d) Audit Fee Payable	23,259.00	18,540.00
e) Establishment Expenses Payable (others)	56,053.00	155,225.00
f) Administrative Expenses payable	357,084.00	286,241.00
g) NPS employer & employee Contribution payable	28,454.00	24,028.00
h) Tour Advance Payable: Sh. Narinder Mahto	10,000.00	-
Security Retention Money		
M/s RSI Softech (I) Pvt. Ltd. for 3 workstation to CRPF	46,800.00	46,800.00
M/s NIIT GIS Ltd.	-	210,000.00
TOTAL (A)	1,723,666.00	2,200,990.00



(Amount Rs.)

	Current Year	Previous Year
B. PROVISIONS		
1. For Taxation	-	-
2. Gratuity	-	-
3. Superannuation /Pension	-	-
4. Accumulated Leave Salary / Encashment	-	-
5. Trade Warranties/Claims	-	-
6. Others (Specify)	-	-
TOTAL (B)	-	-
TOTAL (A+B)	1,723,666.00	2,200,990.00



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 8-Fixed Assets

Amount – Rs)

	Rate of Depreciation	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	Dep. upto 31.03.09	On Opening Balance	On Addition 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. BUILDING -											
a) On Freehold Land		-	-	-	-	-	-	-	-	-	-
b) On Leasehold Land		-	-	-	-	-	-	-	-	-	-
c) Ownership Flats/Premises		-	-	-	-	-	-	-	-	-	-
d) Superstructures on Land not belonging to the entity		-	-	-	-	-	-	-	-	-	-
3. PLANT & MACHINERY											
a) CCTV-Flood modeling	15%	413,965.00	-	-	413,965.00	88,485.00	48,822.00	-	137,307.00	276,658.00	325,480.00
b) Dia Tooling System-LS.	15%	350,000.00	-	-	350,000.00	63,656.00	42,952.00	-	106,608.00	243,392.00	286,344.00
c) Led Screen, Samsung-7000	15%	359,400.00	-	-	359,400.00	92,058.00	40,101.00	-	132,159.00	227,241.00	267,342.00
d) Nokia- Mobile	15%	75,660.00	36,600.00	-	112,260.00	19,618.00	8,406.00	5,490.00	33,514.00	78,746.00	56,042.00
e) Xerox Machine	15%	196,560.00	-	-	196,560.00	42,015.00	23,182.00	-	65,197.00	131,363.00	154,545.00
f) Fire Extinguisher	15%	25,650.00	-	-	25,650.00	3,848.00	3,270.00	-	7,118.00	18,532.00	21,802.00
4. VEHICLES											
5. FURNITURE & FIXTURES – ISP	10%	881,955.00	-	-	881,955.00	158,906.00	72,305.00	-	231,211.00	650,744.00	723,049.00
6. OFFICE EQUIPMENT – ISP	15%	279,479.00	4,106.00	-	283,585.00	73,307.00	30,926.00	616.00	104,849.00	178,736.00	206,172.00
7. COMPUTER/ PERIPHERALS											
a) Data backup storage system	60%	3,131,827.00	-	-	3,131,827.00	2,254,915.00	526,147.00	-	2,781,062.00	350,765.00	876,912.00
b) Erdas Software, ISP	60%	6,928,999.00	928,166.00	-	7,857,165.00	5,217,872.00	1,026,676.00	494,447.00	6,738,995.00	1,118,170.00	1,711,127.00
c) Computer peripherals-IPS	60%	8,731,378.00	-	-	8,731,378.00	7,643,744.00	652,580.00	-	8,296,324.00	435,054.00	1,087,634.00
d) Computer & Peripherals – MGA	60%	6,454,537.00	138,298.00	-	6,592,835.00	5,652,167.00	481,422.00	69,579.00	6,203,168.00	389,667.00	802,370.00
e) Software for Comp. MGA	60%	5,002,440.00	-	-	5,002,440.00	3,303,755.00	1,019,211.00	-	4,322,966.00	679,474.00	1,698,685.00
f) Lenovo HP-33196	60%	77,292.00	-	-	77,292.00	46,375.00	18,550.00	-	64,925.00	12,367.00	30,917.00
g) Sky Line Software-Single	60%	1,757,550.00	-	-	1,757,550.00	1,054,530.00	421,812.00	-	1,476,342.00	281,208.00	703,020.00
h) Skyline Tera Builder Multi	60%	3,900,208.00	-	-	3,900,208.00	2,340,125.00	936,050.00	-	3,276,175.00	624,033.00	1,560,083.00
8. ELECTRIC INSTALLATIONS											
9. LIBRARY BOOKS, MGA	100%	19,388.00	-	-	19,388.00	19,388.00	-	-	19,388.00	-	-
10. TUBEWELL & W. SUPPLY											
11. OTHER FIXED ASSETS											
TOTAL OF CURRENT YEAR (A)		38,586,288.00	1,107,170.00	-	39,693,458.00	28,074,764.00	5,352,412.00	570,132.00	33,997,308.00	5,696,150.00	10,511,524.00
PREVIOUS YEAR		27,301,230.00	11,285,058.00	-	38,586,288.00	18,044,816.00	4,680,571.00	5,349,377.00	28,074,764.00	10,511,524.00	9,256,414.00
B. CAPITAL WORK IN PROGRESS											
TOTAL (A+B)		38,586,288.00	1,107,170.00	-	39,693,458.00	28,074,764.00	5,352,412.00	570,132.00	33,997,308.00	5,696,150.00	10,511,524.00



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 9 - Investments from Earmarked/Endowment Funds

(Amount Rs.)

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



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

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		
Finished Goods	-	-
Work-in-progress	-	-
Raw Materials	-	-
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding six months	-	-
b) Others		
3. Cash balances in hand (including cheques /drafts and Imprest)	-	-
4. Bank Balances:		
a) With Scheduled Banks:		
On Current Accounts	-	-
On Deposit Accounts (Short term deposits)	-	-
On Savings Accounts	54,333,669.66	23,720,887.16
b) With non-Scheduled Banks:		
On Current Accounts	-	-
On Deposit Accounts	-	-
On Savings Accounts	-	-
5. Post Office-Savings Accounts	-	-
TOTAL (A)	54,333,669.66	23,720,887.16



(Amount Rs.)

	Current Year	Previous Year
B. LOANS, ADVANCES AND OTHER ASSETS		
1. Loans	-	-
a) Staff Advance (Annexure A)	127,999.00	511,200.00
b) Other Entities engaged in activities/objectives similar to that of the entity	-	-
c) Others (Specify)	-	-
2. Advance and other amounts recoverable in cash or in kind or for value to be received.		
a) On capital Account	-	-
b) Prepayments for Projects	-	-
Advance for project material (Lenovo HP-33196)	-	-
Advance for project material (Lenovo think pad)	-	-
Advance for project material (Samsung N-150,note book)	-	-
Advance for project material (Sky line software-tera builder multi processor version)	-	-
Advance for project material (Sky line software)	-	-
c) Others	-	-
Security Deposit: MTNL, Delhi	1,500.00	1,500.00
4. Income Accrued		
a) On Investments from Earmarked/ Endowment Funds	-	-
b) On Investment – Others	-	-
c) On Loans and Advances	-	-
d) Others (includes income due unrealized)	-	-
5. Claims Receivable	-	-
TOTAL (B)	129,499.00	512,700.00
TOTAL (A+B)	54,463,168.66	24,233,587.16



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 12 - Income from Sales/Services

(Amount Rs.)

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



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 13 - Grants/Subsidies (Irrevocable Grants & Subsidies Received) (Amount Rs.)

	Current Year	Previous Year
1. From Central Government		
MGA Grants		
Grants in Aid (Plan for MGA)	40,000,000.00	30,000,000.00
Grant in Aid (Plan for Internal Security Project)	2,000,000.00	62,780,000.00
Grant in Aid (Non plan)	-	-
2. State Government	-	-
3. Government Agencies	-	-
4. Institutions/Welfare Bodies(National Disaster Management Associations),Delhi for Meenachi & Manimala River,Kerla	1,638,000.00	-
5. DG, CRPF, New Delhi for Sky line software	-	2,362,500.00
6. Meghalya Basin Development Authority,Shilong for devpt. Of Basin unit at West Garo Hill in three locations	400,000.00	-
7. DG,CRPF,Delhi for 10 Tera Explorerpro with Dongel	2,362,500.00	-
8. DG, BSF, for Imagery & Maps for Orissa & Chhatishgarh	-	4,580,000.00
9. DG, CRPF, New Delhi for ten workstations	-	1,916,495.00
10. DG (IT), CRPF, New Delhi for 3-D Terian model for Gondia, Gadchirauli & Bandra Distt.,Maharastra	2,756,614.00	-
11. DG, CRPF, New Delhi for 3 D Terion / Model for West Bengal, NE, J&K,Maharastra	7,653,135.00	29,927,961.00
12. High Resolution Settalite with 3-D terion model & communication system for Assam, Nagaland, Manipur, Tripura, Sikkim, Meghalya Mizoram & A.P.	-	36,967,000.00
13. Sasatra Seema Bal, Lucknow	-	664,860.00
14. Development of 3 D Terion & Model for ITBP ,Delhi	-	3,466,395.00
15. Development of 3 D Terion & Model for MHA through Planing Commission	-	2,972,500.00
16. Development of wide band receiver&Sky line software for CRPF, Kerala Unit	17,040,000.00	2,013,400.00
17. Development of Direction Finder Imegery ,wide band receiver for CRPF, Maharastra State	5,774,230.00	15,447,228.00
18. Development of Imegary with six workstation for Govt. of Tripura Unit	-	3,287,880.00
19. DG-BSF,Delhi for Development of ten wide band Survilance	15,595,664.00	-
20. International Organizations	-	-
21. Others (Specify)	-	-
TOTAL	95,220,143.00	196,386,219.00



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 14 - Fees/Subscriptions

(Amount Rs.)

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

Schedule 15 - Income From Investments

(Amount Rs.)

(Income on Invest. From Earmarked/Endowment Funds transferred to Funds)

	Current Year	Previous Year
1. Interest		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2. Dividends:		
a) On Shares	-	-
b) On Mutual Fund Securities	-	-
3. Rents	-	-
4. Others (Specify)	-	-
TOTAL	-	-
TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS	-	-



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 16 - Income from Royalty, Publication etc.

(Amount Rs.)

	Current Year	Previous Year
1. Income from Royalty	-	-
2. Income from Publications	-	-
3. Others (Specify)	-	-
TOTAL	-	-

Schedule 17 - Interest Earned

(Amount Rs.)

	Current Year	Previous Year
1. On Term Deposits:		
a) With Scheduled Banks	-	-
b) With Non-Scheduled Banks	-	-
c) With Institutions	-	-
d) Others	-	-
2. On Savings Accounts:		
a) With Scheduled Banks	1,831,352.00	1,771,858.00
b) With Non-Scheduled Banks	-	-
c) Post Office Savings Accounts	-	-
d) Others	-	-
3. On Loans:		
a) Employees/Staff	-	-
b) Others (Long term advances)	-	-
4. Interest on Debtors and Other Receivables	-	-
TOTAL	1,831,352.00	1,771,858.00



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 18 - Other Income

(Amount Rs.)

	Current Year	Previous Year
1. Profit on Sale/ disposal of Assets		
a) Owned assets	-	-
b) Assets acquired out grants, of received free of cost	-	-
2. Export Incentives realized	-	-
3. Fees for Miscellaneous Services	-	-
4. Miscellaneous Income		
Other Receipt (RTI)	-	10.00
Suspense A/c	-	35.00
TOTAL	-	45.00

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		
Finished Goods	-	-
Work-in-progress	-	-
NET INCREASE/(DECREASE) [a-b]	-	-



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 20 - Establishment Expenses

(Amount Rs.)

	Current Year	Previous Year
1. Salaries	15,878,556.00	17,496,054.00
2. Over Time Allowances and Bonus	-	17,658.00
3. NPS Employer Contribution	597,452.00	580,338.00
4. NPS Employees Contributions	601,209.00	556,332.00
5. Salary Arrear – 6th Pay Commission	-	-
6. Expenses on Employees' Retirement and Terminal Benefits	-	-
7. CGEGIS	2,460.00	390.00
8. Medical Expenses	275,593.00	554,848.00
9. Leave Travel Concession	168,419.00	234,903.00
10. Leave Salary	68,773.00	101,404.00
11. Transfer on Traveling Allowance	-	229,000.00
12. License Fee	18,209.00	27,916.00
13. Lease Accommodation	443,700.00	635,136.00
14. Ex- Gartia Allowance	-	-
15. CPF Advance: Sh. Awadh kishore	-	22,000.00
16. Conveyance Expenses	151,926.00	62,153.00
17. Bonus to Employee	72,534.00	66,201.00
18. Tuition Fee	136,638.00	148,033.00
19. Leave Salary Contributions	-	310,733.00
20. Pension contribution	-	611,315.00
21. Others (Specify)	-	-
TOTAL	18,415,469.00	21,654,414.00



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 21 - Administrative Expenses etc.

(Amount Rs.)

	Current Year	Previous Year
1. Repairs and Maintenance	142,207.00	521,580.00
2. Audit Fee	23,259.00	18,540.00
3. Car Hire Charges Consolidated	2,591,756.00	2,111,901.00
4. Postage & Courier Charges	28,100.00	10,546.00
5. Printing and Stationary	-	-
6. Traveling Expenses (Domestics)	2,224,413.00	1,637,046.00
7. Project Allowance	-	260,000.00
8. Meeting Expenses	109,619.00	252,871.00
9. Stationery Expenses	102,996.00	244,321.00
10. Misc. Office Expenses	188,089.00	159,821.00
11. Bank Charges	599.50	(355.00)
12. Internet Charges	41,387.00	46,259.00
13. Travel Abroad	-	6,141,339.00
14. Periodical & Magazine	1,795.00	7,834.00
15. Advertisement Expenses	-	-
16. Telephone Expenses	118,988.00	164,895.00
17. Consultancy Fee (Sky Line Software/Others)	15,000.00	661,800.00
18. Subscription Fee	-	-
19. Testing Charges	-	-
20. Annual Maintenance Charges	38,220.00	537,449.00
TOTAL	5,626,428.50	12,775,847.00



**Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013**

Schedule 22 - Expenditure on Grants, Subsidies etc.

(Amount Rs.)

	Current Year	Previous Year
a) Grants given to Institutions/Organizations		
1. Pilot project on High Resolution Stereo Satellite Image for Ganol Watershed Management of Meghalya Govt.	4,876,939.00	-
2. Pilot project of satellite Image for Jammu & Kashmir through DES Mapping Solutions Pvt. Ltd., Canada	-	13,061,535.00
3. Pilot project for two sky line terra explore software for Nagalad Govt.	-	472,500.00
4. Supply of one workstation for sastra Seema Bal , Lucknow on trial basic	-	281,733.00
5. Pilot project 3-D Terrain Model ,Seders,GPS in Nexal effected Area in Gov. of Jharkhand and Madhya Pradesh (I/S)	-	845,247.00
6. DG,CRPF,Delhi for 10 Tera Explorerpro with Dongel	2,362,500.00	-
7. Pilot Project for Deputy Superintendent of police (SB) , Tripura as six set software of Sky Line - terra Explore on successful trial	-	3,523,962.00
8. Pilot project for BSF , Jammu & Kashmir as one Sky Line Software terra Explore.	-	3,780,000.00
9. Pilot Project for supply of 10WHF & 34 Mesh Nodes systems for Department of health & Education at Kohima	13,360,722.00	-
10. Pilot project for flood medeling ground control system as review of Almati Dam and Krishna river through NWHD, Canada	-	874,934.00
11. Pilot project for supply of 100 WHF , 10 Wide Band Survilance & 4 Mesh Nodes for BSF through SDR Tech.	18,372,343.00	-
12. Pilot project for development of 12 Ground Control maker for high resolution satellite Imaging Point at Manimala & Meenachil Basin at Kerala	77,200.00	-
13. Pilot project for development of One & Two prototype of wide band software define receiver with all one set equipment through SDR Technology,	-	40,723,716.00
14. Pilot project of satellite Image data for Bihar, Punjab, North East & west Bengal through DES Mapping Solutions Pvt. Ltd., Canada	-	37,035,171.00
Total (A)	39,049,704.00	100,598,798.00



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(Amount Rs.)

	Current Year	Previous Year
15. Pilot project with D.G., CRPF, Delhi for supply of Sixty one sky line 3-D terra explore software on successful trial	-	26,744,211.00
16. Pilot project with D.G., CRPF, Delhi against supply of five W/S as L/Y for installation of three workstation on successful trial .	-	735,247.00
17. Pilot project against five development of portable HF/VHF/UHF Radio System through SDR Technologies	-	900,000.00
18. Pilot project on Airframe & Associate control mechanism for prototype of UAV on trial basic for Paramilitary & Police.	2,145,818.00	22,887,070.00
19. Pilot project for development of GPS Ruggedizes Navigaor through SDR Technologies.	-	280,000.00
20. Pilot project for NLRMP as survey at Fathebad Distt. By High Resolution Satelite Imagery & Ground Thruthing by ETS/GPS System.	-	5,650,829.00
21. Pilot project for ITBP,delhi against supply of eight workstation with sky line terra software	-	3,066,394.00
22. Development of Training Manual for Communication Equipment with GPRS as well as software provided to Police through SDR Tech.	-	600,000.00
b) Subsidies given to Institutions/Organizations	-	-
Total (B)	2,145,818.00	60,863,751.00
TOTAL (A) + (B)	41,195,522.00	161,462,549.00



Mission for Geo Spatial Applications
Technology Information, Forecasting & Assessment Council, (TIFAC)
Schedules Forming Part of Balance Sheet as on 31.03.2013

Schedule 23 - Interest

(Amount Rs.)

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



**MISSION FOR GEO SPATIAL APPLICATIONS
TECHNOLOGY INFORMATION, FORECASTING & ASSESSMENT COUNCIL (TIFAC)**

REPLIES TO AUDIT OBSERVATIONS "ANNEXURE AR 3"

SCHEDULE 24 – SIGNIFICANT ACCOUNTING POLICIES

1. The MGA has adopted the Hybrid System of accounting i.e. combination of Cash Basis and Accrual Basis accounting.
2. Fixed assets are stated at cost less accumulated depreciation. Cost comprises the purchase price and any attributable cost of bringing the asset to its working condition for its intended use.
3. Depreciation on fixed assets is computed on the written down value (WDV) method at the rates and in the manner prescribed under the provisions of Income Tax Act.
4. Prior period expenditure, extra-ordinary items and changes in accounting policies having material impact on the financial statements of the MGA are required to be disclosed.
5. The repayment of grant/assistance to MGA by the beneficiaries/borrowers, as per the conditions stated in the EFC agreement with DST shall be accounted as income on receipt basis.
6. Contingent liabilities in respect of on-going projects/studies etc. are neither provided for nor determined.

As per our report of even date Annexed herewith

For Anil Bhatla & Company
Chartered Accountants
FRN: 012686N

Sd/-
Ch. Chandra Sekhar Patro
(Partner)
MRN: 091529

Sd/-
Accounts Officer

Sd/-
Mission coordinator

Sd/-
Mission Director

Date: 14.10.2013
Place: New Delhi



Mission for Geo Spatial Applications

Technology Information, Forecasting & Assessment Council (TIFAC)

SCHEDULES FORMING PART OF ACCOUNTS FOR THE YEAR ENDED 31.03.2013

SCHEDULE 25 – CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

1. CONTINGENT LIABILITIES

1.1 Claims against the Entity not acknowledge 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. Rs. NIL (Previous year Rs. NIL)
- Sales Tax Rs. NIL (Previous year Rs. NIL)
- Municipal Taxes Rs. NIL (Previous year Rs. NIL)
- 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 at least equal to the amount at which they are stated 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.



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	Rs. NIL	Rs.5,20,45,924/-	
Raw Materials & Components (Including in transit)	-----	-----	
Capital Goods	-----	-----	
Stores, Spares & Consumables	-----	-----	
6.2 Expenditure in foreign currency:			
a) Travel	Rs. NIL	Rs. 9,81,426/-	
b) Remittances and Interest Payment to Financial Institutions/ Banks in Foreign Currency	-----	-----	
c) Other expenditure:	-----	-----	
- Commission on Sale	-----	-----	
- Legal and Professional Expenses	-----	-----	
- Miscellaneous Expenses	-----	-----	
6.3 Earning:			
Value of Exports on FOB basis	-----	-----	
6.2 Remuneration to Auditors:			
- Auditors Fee (inclusive of service tax) Rs.18,540.00	Rs.23,259.00	Rs.18,540.00	
- Taxation matters	-----	-----	
- For management services	-----	-----	
- For certificate	-----	-----	
- Others	-----	-----	
7. Liability towards gratuity payable on death/retirement of employees is not provided for.			
8. Provision for accumulated leave encashment benefit to employees is not being made since it shall be accounted for on cash basis.			
9. A Sum of Rs.2,65,469/- has been paid and booked as expense during the current year while these expenses relates to previous financial year for which no provision had been made in previous year.			
10. Previous year's figures have been regrouped/rearranged wherever found necessary, to make them comparable with current year figures.			
11. Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet as at 31.03.2013 and the Income and Expenditure Account for the year ended on that date.			

For Anil Bhatla & Company

Chartered Accountants

FRN: 012686N

Sd/-
Ch. Chandra Sekhar Patro
(Partner)
MRN: 091529

Sd/-
Accounts Officer

Sd/-
Mission coordinator

Sd/-
Mission Director

Date: 14.10.2013

Place: New Delhi



**Mission for Geo Spatial Applications
Technology Information Forecasting & Assessment Council (TIFAC)
Receipts & Payments for the Year Ended 31.03.2013**

Receipts	Current Year	Previous Year
I) OPENING BALANCES		
a) Cash in hand	-	-
b) Bank Balances		
i) In current accounts	-	-
ii) In Deposit accounts	-	-
iii) Savings accounts	23,720,887.16	28,081,238.16
II) GRANTS RECEIVED		
a) From Government of India- (Plan for Internal Security Project)	2,000,000.00	62,780,000.00
b) From Government-(Plan for MGA)	40,000,000.00	30,000,000.00
c) From Government-Non Plan	-	-
d) From State Government	-	-
e) From Government Institution, Welfare Bodies & Others	53,220,143.00	103,606,219.00
III) INCOME FROM INVESTMENTS		
a) Earmarked/Endow. Funds	-	-
b) Own fund	-	-
IV) INTEREST RECEIVED		
a) On Bank Deposits	1,831,352.00	1,771,858.00
b) Loans & Advances etc.	-	-
V) OTHER INCOME (SPECIFY)		
Income from Services : Labors and Processing Charges	-	-
Suspense	-	35.00
Other Receipt (RTI)	-	10.00
Sale of Skyline Software for Internal Security Purpose	-	-
VI) AMOUNT BORROWED	-	-
VII) OTHER RECEIPTS		
Security Retention Money Received: M/s NIIT GIS Ltd.	-	210,000.00
Tour Advance Amount Received Back Mudit Srivastava	79,439.00	-
Tour Advance amount received back: Sh. Rahul Kumar Mishra	32,746.00	2,254.00
Tour Advance amount received back:Kuldeep Kumar	9,546.00	-
Tour Advance amount received back: Mr. B. K. Manthan	78,856.00	-



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(Amount Rs.)

	Current Year	Previous Year
Tour Advance amount received back: Mr. Prassana K. Naik Manthan	70,826.00	-
Tour Advance amount received back: Mr. Bhimsen Malik	19,158.00	-
Tour Advance amount received back: Mr. Umesh Kumar	14,000.00	-
Tour Advance amount received back: Mr. Mithilesh Rai	19,200.00	-
Tour Advance amount received back: Mr. Sanam Nagpal	15,471.00	-
Tour Advance amount received back: Mr. Shakil Alam	35,000.00	-
Tour Advance amount received back: Mr. Rahul Srivastava	10,000.00	-
Tour Advance amount received back: Mr. Narinder Mahto	10,000.00	-
Petty Advance received back: Sh. Satyaranjan Das	1,500.00	-
LTC Advance Received back: Sh. Somanath Nath	14,459.00	-
Contingent Advance received back: Sh. Satyaranjan Das	7,000.00	-
Petty Advance received back: Sh. Manish Kumar Tirkha	-	10,000.00
Receipt against advance given:		
Advance for project material (Lenovo think pad)	-	299,993.00
Advance for project material (Samsung N-150,note book)	-	287,100.00
TOTAL	121,189,583.16	227,048,707.16



**Mission for Geo Spatial Applications
Technology Information Forecasting & Assessment Council (TIFAC)
Receipts & Payments for the Year Ended 31.03.2013**

Payment		Current Year	Previous Year
I) EXPENSES			
a) Establishment Expenses (Schedule 20)	18,415,469.00		
Add: Opening Exp. Payable	1,639,409.00		
Less: Closing Expenses Payable	1,296,523.00	18,758,355.00	21,412,822.00
b) Administrative Expenses (Schedule 21)	5,626,428.50		
Add: Opening Exp. Payable	304,781.00		
Add : Loss on sale of Fixed Assets	-		
Less: Closing Expenses Payable	380,343.00		
Less: Profit on sale of Fixed Assets	-		
(Previous year figure does not include obsolescence expenses in it.)		5,550,866.50	13,238,591.00
II) PAYMENT MADE AGAINST FUNDS FOR VARIOUS PROJECTS			
Expenditure on Grants, Subsidies etc. (Schedule 22)		41,195,522.00	161,462,549.00
III) INVESTMENT & DEPOSIT MADE			
a) Out of Earmarked/Endow Funds		-	-
b) Out of Own Funds (Investment-other)		-	-
IV) EXPENDITURE ON FIXED ASSETS & CAPITAL WORK-IN-PROGRESS			
a) Purchases of Fixed Assets		1,107,170.00	5,550,008.00
b) Expenditure on Capital Work-in-Progress		-	-
V) REFUND OF SURPLUS MONEY/LOANS			
a) to the Government of India		-	-
b) to the State Government		-	-
c) to others providers of funds		-	-
VI) FINANCE CHARGES (INTEREST)		-	-
VII) OTHER PAYMENTS(SPECIFY)			
Security Retention Money Refunded			
M/s Sierra Atlantic Software's Ltd., Hyderabad		-	53,144.00
M/s Leica Geosystem Geospatial Imaging India P.L.		-	136,083.00
M/s RSI Softech (I) Pvt. Ltd. for 3 workstation to CRPF		-	31,375.00
M/s RSI Softech (I) Pvt. Ltd. for 14 workstation to CRPF		-	763,236.00
M/s RSI Softech (I) Pvt. Ltd. for 10 workstation to CRPF		-	260,584.00
M/s NIIT GIS Ltd.		210,000.00	-
Total (i)		66,821,913.50	202,908,392.00



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(Amount Rs.)

	Current Year	Previous Year
Tour Advance:		
Sh. Prassana Kumar Naik	-	60,826.00
Sh. Rajendra Jena	-	7,998.00
Mr. Narinder Mahto	-	10,000.00
Mr. Sanam Nagpal	-	15,471.00
Mr. Mudit Srivastava	13,000.00	80,460.00
Mr. Bhimsen Mallick	-	19,158.00
Mr. Rahul Srivastava	14,000.00	55,000.00
Mr. Umesh Kumar	-	14,000.00
Mr. Mithilesh Kumar Rai	-	19,200.00
Mr. B.K. Manthan	-	102,856.00
Sh. Ankur Panchal	7,000.00	-
Petty Advance:		
Sh. Satyaranjan Das	-	10,000.00
LTC Advance:		
Sh. Somenath Nath	-	14,459.00
Contingent Advance:		
Sh. Satyaranjan Das	-	7,000.00
Sh. B.K. Manthan	-	3,000.00
VIII) CLOSING BALANCES		
a) Cash in Hand	-	-
b) Bank Balances		
i) In Current accounts	-	-
ii) In Deposit accounts	-	-
iii) In Saving accounts	54,333,669.66	23,720,887.16
Total (ii)	54,367,669.66	24,140,315.16
TOTAL (i) + (ii)	121,189,583.16	227,048,707.16



Mission for Geo Spatial Applications Technology Information, Forecasting & Assessment Council, (TIFAC)

Annexure-A

(Amount Rs.)

Staff Advance	Current Year	Previous Year
Tour Advance:		
Sh. Kuldeep Kumar	1,461.00	11,007.00
Sh. Prassana Kumar Naik	1,007.00	71,833.00
Sh. Rahul Kumar Mishra	-	32,746.00
Sh. Shakil Alam	-	35,000.00
Sh. Rajendra Jena	9,004.00	9,004.00
Ms. Geetanjali Rai Chand.	1,006.00	1,006.00
Mr. Narinder Mahto	-	10,000.00
Mr. Sanam Nagpal	-	15,471.00
Mr. Mudit Srivastava	14,021.00	80,460.00
Mr. Bhimsen Mallick	-	19,158.00
Mr. Rahul Srivastava	59,000.00	55,000.00
Mr. Umesh Kumar	-	14,000.00
Mr. Mithilesh Kumar Rai	-	19,200.00
Mr. Ankur Panchal	7,000.00	-
Mr. B.K. Manthan	24,000.00	102,856.00
Petty Advance:		
Sh. Manish Kumar Tirkha	-	-
Sh. Satyaranjan Das	8,500.00	10,000.00
LTC Advance:		
Sh. Somenath Nath	-	14,459.00
Contingent Advance:		
Sh. Satyaranjan Das	-	7,000.00
Sh. B.K. Manthan	3,000.00	3,000.00
Total	127,999.00	511,200.00