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Amrit Mahotsav

Technology Development Board

Department of Science & Technology
Government of India



25th

Annual Report

2020-21



Technology Development Board

Department of Science & Technology
Government of India



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From Secretary's Desk

As I reflect over this past year, I cannot help but think about the challenges thrown at us by the COVID-19 pandemic. The challenges we faced, at both personal and professional level, were immense. However, the pandemic has helped us to unite as a nation and face it head-on. The pandemic has also highlighted the need for resilient and adaptable science and technology led interventions for health, economic, and social systems.

In the year 2020-21, TDB received 264 applications that included 235 applications against call for proposals for "Fighting COVID-19". TDB issued the call for proposal seeking solutions for fighting COVID-19 pandemic and selected Indian companies, majorly start-ups, for providing financial support for commercialization of their products in the field of testing kits, masks & sanitization, thermal scanners and medical devices. Some of these companies have made meaningful contributions in India's fight against COVID-19.

TDB celebrated the Technology Day on May 11th by organizing a Digital Conference on "RE-START (Reboot the Economy through Science, Technology and Research Translations)" that brought together scientists, technocrats, government officials, diplomats, WHO officials and dignitaries from national and international Industry, Research Institutions and Academic Institutions to share their insights on the role of Science, Technology and Innovation in the global healthcare crisis and find solutions that would assist during the pandemic as well as help in facing the challenges ahead. TDB also actively participated via virtual mode in national conference, webinars and other events which helped in boosting TDB's role as a technology promoter towards making India self-reliant.

In this year, TDB entered into 13 agreements to provide financial assistance to various industrial concerns. Through these agreements, TDB has committed ₹ 23.74 crore as a loan and ₹ 7.30 crore as grant out of total project cost of ₹ 80.92 crore, covering various sectors such as Health & Medical, Engineering and Information Technology. Further, TDB has disbursed an amount of ₹ 47.80 crore towards on-going, new projects and other schemes. This included ₹ 47.57 crore as loan; ₹ 0.12 crore as grant and ₹ 0.11 crore to UTI/Other VCF/ITVUS for investment.

TDB also disbursed an amount of ₹ 3.51 crore against call for proposals "Fighting COVID-19" which include ₹ 2.12 crore as loan and ₹ 1.39 crore as grant.

Of the projects sanctioned earlier, 02 were declared completed and commercialized, one of which was by TATA Power Ltd SED for large scale manufacturing of Defence products with financial assistance of ₹ 109.00 crore from TDB at a total project cost of ₹ 385.00 crore. The second project was by SoftTech Engineers Limited for Development & commercialization of Rule Buddy as an e-Commerce portal to provide services for project feasibility and building permits with assistance of ₹ 245.00 lakh against the total project cost of ₹ 615.46 lakh.

This year has been a year of crisis that has caused considerable loss and presented challenges. But with every challenge comes an opportunity. TDB has been instrumental in encouraging indigenous innovations by supporting start-ups in up-scaling and commercializing their products promoting the goal of Atmanirbhar Bharat.

Dr. Neeraj Sharma

TDB's Mandate

- Provide Financial Assistance to industrial concerns and other agencies attempting commercial application of indigenous technology or adapting imported technology for wider domestic applications;
- Provide financial assistance to such research and development institutions engaged in developing indigenous technology or adaptation of imported technology for commercial application, as may be recognized by the central government;
- Perform such other functions as may be entrusted to it by the central Government

Sectors supported by TDB, since inception:

TDB being sector agnostic, has so far broadly supported the following sectors:



Composition of Technology Development Board

(As on 31st March, 2021)

Prof. Ashutosh Sharma Secretary, Department of Science & Technology	Ex-officio Chairperson
Dr. Shekhar C. Mande Secretary, Department of Scientific & Industrial Research	Ex-officio Member
Dr. G. Satheesh Reddy Secretary, Department of Defence Research & Development	Ex-officio Member
Dr. T. V. Somanathan Secretary, Department of Expenditure	Ex-officio Member
Dr. Guruprasad Mohapatra Secretary, Department of Industrial Policy and Promotion	Ex-officio Member
Shri Nagendra Nath Sinha Secretary, Department of Rural Development	Ex-officio Member
Shri Pradeep Goyal Chairman, Pradeep Metals Ltd., Navi Mumbai	Member
Ms. Bineesha P. Executive Director International Institute of Waste Management, Bangalore	Member
Prof. Deshdeep Sahdev Mentor, Quazar Technologies Private Limited., New Delhi	Member
Shri Sabu M. Jacob Managing Director, Kitex Garments Ltd., Ernakulam, Kerala	Member
Dr. Neeraj Sharma Secretary, Technology Development Board	Ex-officio Member (Member Secretary)

Board Members

(As on 31st March, 2021)



Prof. Ashutosh Sharma
Chairperson, TDB & Secretary, DST



Dr. Shekhar C. Mande



Dr. G. Satheesh Reddy



Dr. T. V. Somanathan



Dr. Guruprasad Mohapatra



Sh. Nagendra Nath Sinha



Sh. Pradeep Goyal



Ms. Bineesha P.



Prof. Deshdeep Sahdev



Sh. Sabu M. Jacob



Dr. Neeraj Sharma

OVERVIEW

The background is a vibrant blue gradient. It features a grid of small, light blue squares. Overlaid on this are several large, semi-transparent gears of varying sizes, some appearing to mesh together. A complex network of thin, white and light blue lines crisscrosses the scene, creating a sense of depth and movement, reminiscent of a data visualization or a technical diagram.

OVERVIEW

The Government of India constituted the Technology Development Board (TDB) on September 01, 1996 as per the provisions of the Technology Development Board Act, 1995 with an aim to promote development and commercialization of indigenous technology and adaptation of imported technology for wider domestic applications. TDB provides financial assistance to industrial concerns and other agencies attempting such development and commercial application.

The Act enabled the creation of a fund for Technology Development and Application to be administered by TDB. The said fund receives grants from the Government of India out of the R&D Cess collected by the Government from the industrial concerns under the provisions of the Research and Development Cess Act, 1986, as amended in 1995. The Act also enables TDB to build up the fund by crediting all sums received by TDB from any other source, recoveries made of the amounts granted from the fund, and any income from investment of the amount of the Fund. The Finance Act, 1999, enabled full deductions to donations to the Fund for income tax purposes.

In its General Budget 2017-18, the Central Government abolished 'Research and Development Cess Act, 1986' w.e.f. April 01, 2017. During the period of 1996-97 to 2016-17, the Government collected ₹7974.32 crore as R&D Cess.

TDB received a cumulative sum of ₹987.47 crore over the period of 25 years (1996-97 to 2020-21)

as Grant-in-Aid from the non-plan budget of the Department of Science & Technology, Government of India. In addition, TDB also received ₹75.00 crore in FY 2019-20 as separate Grant-in-Aid for specific purpose towards "Fighting COVID-19" call.

1.0 Modes of Financial Assistance

The financial assistance from TDB is available in the form of loan or equity and/or as a grant (in exceptional cases). Application for financial assistance is accepted throughout the year from Industrial concerns incorporated under the Companies Act, 1956/ 2013.

1.1 Loan

The financial assistance to the industrial concerns is provided as a soft loan at 5% simple rate of interest per annum. The limit of financial assistance in the form of Loan is 50% of the un-incurred project cost. The loan amount is disbursed in instalments as per the implementation of associated milestones in accordance with the terms and conditions as stipulated in the Loan Agreement. Royalty is payable on sales of products under TDB's project during the concurrency of loan.

In some cases, TDB may have nominee director(s) on the Board of Directors of the assisted industrial concern. The implementation period of a project should generally not exceed three years. The loan and interest is secured through collaterals and guarantees. Normally, the repayment of the loan and payment of interest commences after

the project is completed and a moratorium period not exceeding one year. The loan amount is generally recoverable in nine, half yearly instalments. The accumulated interest up to the repayment of the first instalment is distributed over a period of three years.

TDB does not collect administrative, processing or commitment charges from the applicants.

1.2 Equity

TDB contributes by way of equity capital in industrial concerns on its commencement, start-up and/or growth stages according to the requirements as assessed by TDB, keeping in view the debt-equity ratio. The equity subscription is decided by the full Board of the TDB. It is up to 25% of the approved project cost, provided such investment does not exceed the capital paid-up by the promoters.

TDB does not consider substituting the existing loan or equity of the industrial concerns which have obtained such finances from other institutions.

1.3 Grant

TDB also provides financial assistance by way of grants to industrial concerns and R&D institutions engaged in developing indigenous technologies. The sanction of grants is decided by the full Board and provided in exceptional cases having importance towards fulfilling national interest.

1.4 Financial contribution of TDB to industrial concerns (1996-2021)

1.4.1 The following table indicates the mode and financial contribution of TDB (since inception to March 31, 2021), this excludes details towards "Fighting COVID-19" call :

(Rs. in crore)

Instrument	*Sanctioned by TDB	Disbursement by TDB
Loan	1753.74	1553.72
Equity	33.06	35.67
Grant	157.13	150.50
Venture Funds	285.00	258.13
Total	2228.93	1998.02

* The actual sanctioned amount by TDB as on 31.03.2021 may vary due to conversion of loan into equity in some cases in the past and revision in quantum of financial assistance, foreclosure and cancellation.

Till FY 2019-20, the actual disbursement made by TDB was ₹ 1950.23 crore which include ₹ 1506.16 crore as loan, ₹ 150.38 crore as grant, ₹ 35.67 crore as equity, and ₹ 258.02 crore towards venture funds.

1.4.2: Financial contribution of TDB to industrial concerns towards "Fighting COVID-19" call

(Rs. in crore)

Instrument	Sanctioned by TDB	Disbursement by TDB
Loan	3.25	2.12
Grant	7.65	1.39
Total	10.90	3.51

2.0 Sectors

TDB is sector agnostic and has funded almost all sectors of Industries. Since inception, sector wise and state wise coverage is placed below:

2.1 Sector-wise Coverage (1996-2021)

TDB's financial assistance is available for all the sectors. Since inception in 1996 to

OVERVIEW

March 31, 2021, TDB has signed a total of ₹ 8488.56 crore and TDB's commitment of 373 agreements with industrial concerns of ₹ 2228.93 crore. discrete sectors, with a total project cost of

The following table gives sector-wise breakup of projects sanctioned by TDB upto March 31, 2021, since inception in 1996-97.

(Rs. in crore)

S. No.	Sector	Number of Agreements	Total cost	TDB's Commitment
1	Health & Medical	105	2083.47	612.92
2	Engineering	71	706.57	259.95
3	Information Technology	47	461.00	172.31
4	Chemical	26	236.80	84.69
5	Agriculture	27	217.48	69.85
6	Tele-communications	12	99.88	37.85
7	Road Transport	10	527.04	81.20
8	Energy & Waste Utilization	10	140.10	59.61
9	Electronics	4	52.56	17.75
10	Defence and Civil Aviation	10	648.83	229.95
12	Textile	1	689.00	250.00
13	Others			
	a) Venture Funds	11	2463.00	285.00
	b) STEP-TBI	35	35.00	35.00
	c) CII	1	0.83	0.50
	d) Millennium Alliance	1	112.00	25.00
	e) Global Innovation & Technology Alliance	1	15.00	7.35
	f) INVENT Programme	1		
	TOTAL	373	8488.56	2228.93

The support by TDB is largely market-driven and technology oriented in all its new ventures and various industrial sectors.

2.2 State-wise Coverage (1996-2021)

The State-wise distribution (based on registered office of the company) of agreements signed during the years 1996-2021 is given below:

(Rs. in crore)

S. No.	State, Union Territory	Number of Agreements	Total cost	TDB's Commitment
1	Assam	1	18.31	8.20
2	Andhra Pradesh/ Telangana	88	1719.36	557.08
3	Karnataka	49	1040.78	361.59
4	Maharashtra	51	1641.75	456.35
6	Tamil Nadu	38	321.87	101.56
7	Delhi	24	313.10	115.36
8	Gujarat	14	149.06	45.94
9	West Bengal	10	137.39	57.57
10	Uttar Pradesh	12	94.77	50.44
11	Madhya Pradesh	7	155.92	42.20
12	Haryana	7	47.57	19.48
13	Punjab	7	91.79	21.98
14	Chandigarh	4	43.75	16.50
15	Kerala	5	21.63	8.15
16	Himachal Pradesh	1	6.24	1.90
17	Jammu & Kashmir	1	5.65	2.38
18	Manipur	1	7.94	2.70
19	Pondicherry	1	5.83	1.90
20	Rajasthan	1	35.77	3.00
21	Odisha	1	4.25	1.80
22	Others – Including:			
	Venture Funds	11	2463.00	285.00
	STEP-TBIs	35	35.00	35.00
	CII	1	0.83	0.50
	Millennium Alliance	1	112.00	25.00
	Global Innovation & Technology Alliance	1	15.00	7.35
	INVENT Programme	1		
	Grand Total	373	8488.56	2228.93

3.0 Submission of the Project Proposal to TDB

An industrial concern seeking financial assistance from TDB is required to submit the application in the prescribed format. The format of the application for seeking financial assistance and other details are provided in 'Project Funding Guidelines' available on TDB's website (www.tdb.gov.in).

Industrial concerns may apply online, any time throughout the year via <http://e-techcom.tdb.gov.in>.

4.0 Processing of Project Proposals

Applications received are processed extensively by the Committee comprising domain Experts both on Technical and Financial side. A quick description of this extensive process is given below:

4.1 Evaluation Criteria

The application is evaluated for its scientific, technological, commercial and financial merits. The evaluation criteria include:

- Uniqueness and innovative content of the proposal;
- Soundness, scientific quality and technological merit;
- Potential for wide application and the benefits expected to accrue from commercialization;
- Adequacy of the proposed effort;
- Capability of the R&D institution(s) in the proposed action network;
- Organizational and commercial capability of the enterprise including its internal accruals;
- Reasonableness of the proposed cost and financing pattern;
- Measurable objectives, targets and milestones;
- Track record of the entrepreneur.

4.2 Confidentiality and Transparency

TDB understands that it is important to maintain confidentiality, as each proposal is a commercial proposal involving a new product or process. So the respective protocol is followed during the evaluation.

Also, in cases where the applicant mentions that some information provided in the project proposal has to be treated as strictly confidential, the Committee also respects the sensibility of the applicant's apprehensions in disclosing certain vital information of the processes.

4.3 Initial Screening of Application

A duly constituted Initial Screening Committee (ISC) preliminarily examines the applications received for financial assistance, from the view point of its completeness, objective of the project, status of the technology etc...

The committee composition involves Technical and Financial domain Experts from reputed National Institutions/Organizations. Applicants and/ or technology providers are given a chance to give a detailed presentation before the Committee which is further followed by a questionnaire, to have more clarity on the submitted project proposal.

As per the suggestion/ remarks of the Committee, if additional information/ details or further clarification is required for assessment, it is sought from the Company.

If the application does not meet the eligibility criteria prescribed for TDB's financial assistance, the ISC may not recommend the application for further processing after providing written reasons to the applicant.

4.4 Project Evaluation Committee (PEC)

Based on the recommendations of the ISC, the application is further referred to the Project Evaluation Committee (PEC) for more detailed assessment and evaluation including visit to the project site. For each project, a PEC is constituted keeping in view the nature of the project.

PEC consists of domain Experts (scientific & technical and financial) in the relevant fields from outside TDB for a fair and independent evaluation of the project. These experts (serving or retired) may belong to government departments, R&D organizations, academic institutions, industry, industry associations, financial institutions and commercial banks.

The applicant along with the technology provider (if any) is given a fair opportunity to give a detailed presentation before the said Committee, on the scientific, technical, marketing, commercial and financial aspects of the project, to provide in-depth information on various issues related to the project and the company.

4.5 Approval of Financial Assistance

The recommendations of the said PEC are further approved by the Chairperson, TDB. All the project proposals recommended by the PEC where TDB's assistance exceeds ₹ 10.00 crore, are processed for third party due-diligence.

The PEC inputs along with third party due-diligence reports are put up to the Board for their approval. Rest of the recommended cases are put up to the respective Competent Authority for their approval.

4.6 Monitoring and Review

TDB disburses the approved financial

assistance to the beneficiaries in instalments that are based on compliance of pre-defined milestones as per the mutually agreed Loan Agreement.

The project is monitored periodically by the Project Monitoring Committee. The PMC consists of scientific/ technical and financial experts.

5.0 Proactive Role

Besides responding to the applications received from industrial concerns and other agencies, TDB takes a pro-active role to ensure comprehensive support for technology development and commercialization.

Under the aegis of its mandate, TDB has encouraged development and commercialization of indigenous technologies through various initiatives. Some of them are as follows:

5.1 Participation in Venture Capital Funds (VCFs)

Technology Development Board (TDB) realized that many technological projects are unable to satisfy the traditional requirements of financial institutions and commercial banks. In addition to directly supporting indigenous technologies for commercialization, TDB felt the need for networking with other institutions to encourage technology focused Venture Capital Fund (VCF) to ensure that lack of adequate funds is not an obstacle for innovative and technologically viable projects.

TDB thus participated in Venture Capital Funds to provide support to early stage ventures through SMEs having innovation and innovative products / services. TDB's motivation and participation has resulted

in the venture capitalists contouring their assistance to TDB's mission. The Board also considered TDB's participation in VCFs as a tool for increasing geographical spread of the mandate of TDB to support technology companies especially in the MSME/SME category having innovation and innovative products / services.

The initiative of TDB has also given confidence to Venture Capitalist/Private Equity Funds to come up in a big way to support technology-based projects with a pronounced emphasis on sectors which are growth drivers of Indian economy.

5.2 Seed Support for Start-ups in Incubators

In 2005, TDB instituted the Seed Support Scheme to provide early stage/start-up financial assistance to young entrepreneurs with innovative technology venture ideas to incubate and bring their ideas under development to fruition and finally to reach the market place. The proposed assistance was positioned to act as a bridge between development & commercialization of the technologies. The scheme was started for providing financial assistance to startups incubated in Science & Technology Entrepreneur Park /Technology Business Incubators (STEP/TBI) administered by the National Science & Technology Entrepreneurship Development Board (NSTEDB) of DST.

Till March 31, 2018, TDB has supported 35 TBIs and STEPs (including two times financial assistance to 4 TBIs/STEPS) with a financial assistance of ₹ 1.00 crore each aggregating to ₹ 35.00 crore.

These incubators have provided assistance to several incubatees for their project to spread in the areas of Telecom, IT, Robotics,

Agriculture, Instrumentation, Engineering, Environment, Pharma, Food, Solar, Textile and Biotechnology. The scheme progressed well and benefited a number of entrepreneurs in up-scaling and related work. It also facilitated in building up a corpus of incubation fund by the incubators.

5.3. International Collaboration

5.3.1 MoU with Bpifrance

TDB continues its technical collaboration with Bpifrance erstwhile, OSEO, France as per renewed Memorandum of Understanding (MoU) between TDB and Bpifrance along with CEFIPRA as the managing partner. The agreement was signed in 2016 and is valid for a period of 5 years.

The agreement entails to carry out activities related to the exchange of best practices and setting up of coordinated measures to foster technological exchanges in the field of Science, Technology and Innovation through collaboration between companies, organizations and institutions of France & India. This program aims to fund proposals on Aeronautics, Automotive & Biotechnology areas.

5.3.2 MoU with Department for International Development (DFID), UK

TDB in partnership with Department for International Development (DFID), UK initiated the Innovative Ventures and Technologies for Development (INVENT) Programme in the FY 2015-16. The program was designed to create a platform to support inclusive innovation solutions, both technological and process oriented, that have a positive social and economic impact on people in the lower income segments, also known as the Bottom of the Pyramid (BoP). The support

included, but not be limited to the provision of funding, intense mentoring, knowledge and access to capacity building programmes, support services, and relevant networks in the 8 Low Income States (LIS) of India (UP, MP, Bihar, Chhattisgarh, Jharkhand, Rajasthan, Orissa and West Bengal).

The ultimate aim was to create the viable social enterprises pipeline for impact investment in the above mentioned 8 LIS; Generate 50 investments ready for profit social enterprises in 8 Low Income States; Support 160 entrepreneurs in these 8 Low Income States.

An Agreement was executed between TDB and M/s Villgro Innovations Foundation (VIF) in FY 2015-16 wherein Villgro was selected to act as the lead incubator to provide incubation support aimed at creating a viable social enterprise (for profit) pipeline for impact investments in the 8 LIS of India. VIF supported four incubators viz. IIM Calcutta Innovation Park (IIMCIP), KIIT Technology Business Incubator at Bhubaneswar (KIIT TBI), SIDBI Innovation & Incubation Centre at IIT Kanpur (SIIC IITK) and Startup Oasis (an initiative of CIIE, IIM Ahmedabad and RIICO) in the LIS to hand-hold innovative businesses at seed or early stages of enterprise development that benefited the bottom of pyramid in the LIS of India while being commercially successful.

5.4 National Collaborations:

5.4.1. MoU with World Wide Fund for Nature (WWF)-India for Climate Solver Partner

Considering India's strength in innovation wherein it has been ranked 12th on the Global CleanTech Innovation Index 2012, TDB decided to join the Climate Solver Platform launched by WWF-India on 21st May, 2012.

In India, besides TDB, the Confederation of Indian Industry (CII), New Ventures India, Centre for Innovation Incubation & Entrepreneurship (IIM Ahmedabad) and Sky quest Technology Consulting Private Limited. Participated in this programme.

5.4.2. MoU with Technology Information Forecasting and Assessment Council (TIFAC)

TDB and Technology Information Forecasting and Assessment Council (TIFAC) an autonomous body under DST signed an MoU on "Transformational Technological Innovation" on 10th February, 2018 with an aim to scout for innovative technologies, commercialize indigenous technologies and invest in companies commercializing such technologies. The areas and scope of cooperation include:

- Scouting of emerging (core thrust) technologies/ technological areas with investment trends and the forces driving those;
- Identifying technologies which have the ability to transform social and economic environment as well as generate employment for the growing youth of the nation on immediate, medium-term and long-term basis;
- Developing policy frameworks for easy adoption of technology; up scaling and manufacturing leading to its commercialization in the nation for the identified domains.

5.4.3. MoU with Innovative Change Collaborative (ICCo)

TDB and Innovative Change Collaborative (ICCo) India organisation, a development organisation working in India signed an

MoU on “Transformational Agricultural Technology Business Solutions” on 6th March, 2018 with an aim to scout for innovative agricultural technologies, commercialize indigenous technologies and invest in companies which will exhibit the potential to double farmers’ income. The areas and scope of cooperation include:

- Scouting of relevant agriculture technology business solutions in pre-harvest domain, allied agriculture, post-harvest domain;
- Identifying technologies and business solutions which demonstrate the ability to transform rural economic environment as well as generate employment for rural youth of the nation on immediate, medium-term and long-term basis.
- Assessing the ability of interested agri-tech businesses in the identified domains to truly improve farmers’ income level by evaluating their technology readiness and business model for commercial and financial viability.

5.4.4. MoU with PHD Chambers of Commerce and Industry (PHDCCI)

TDB and PHD Chambers of Commerce and Industry (PHDCCI) signed MoU on 25th April, 2018 to scout for emerging technologies/ technological areas of National Importance such as Agribusiness and Food Processing, Healthcare and Pharmaceuticals, Electric Mobility, Water and Waste to Energy, Automobiles, etc. And identify factors driving those; also to develop policy frameworks for easy adoption of technology, upscaling and manufacturing leading to its commercialization. Both the organizations are collaborating in identifying industries with technology-driven projects which may have social and economic implications

and generate employment on immediate, medium-term and long-term basis.

5.4.5. MoU with Associated Chambers of Commerce & Industry of India (ASSOCHAM)

TDB and the Associated Chambers of Commerce & Industry of India (ASSOCHAM) signed an MoU on 3rd May, 2018 to scout for emerging technologies/ technological areas of national importance such as Pharmaceuticals, Medical Devices & Diagnostics, Agriculture, Food Processing, Defense & Aerospace, Electric Mobility and Automobiles; and identify factors driving those; also to develop policy frameworks for easy adoption of technology, upscaling and manufacturing leading to its commercialization. Both the organizations are working in close association through seminar, symposia and project-writing workshops to identify companies with prototypes technologies/ technology-driven projects with commercial outcome on immediate, medium-term and long-term basis

5.4.6. MoU with Biotechnology Industry Research Assistance Council (BIRAC)

For bringing synergy between various industry supporting organizations for “Commercialization of Indigenously Developed Technologies”, a MoU was signed between Biotechnology Industry Research Assistance Council (BIRAC) and Technology Development Board (TDB) on 7th September, 2018 for creating and fostering a global and national ecosystem for Biomedical/ Biotechnological Innovations, Translation and Commercialization in a seamless manner.

The area and scope of co-operation include :

- BIRAC and TDB shall enable joint inter-organizational mechanism for concerted

efforts to meet the innovation and commercialization gap.

- Mutually agree upon the Biotechnology projects that can fall within the respective organizational scope for seamless evaluation and funding assistance considerations by establishment of a coactive governance structure.
- The Parties shall create a synergy to benefit from their respective organizational strength to mobilize effective funding and subtend technology readiness gap.
- The projects for cross reference will be decided on mutual understanding with respect to operative period of MoU; financial obligations and extent of cooperation.
- The Parties through this MoU have jointly agreed to share knowledge base, in-house processes and project inputs in furtherance to attainment of the united initiative.

5.5. Alliances

5.5.1 Global Innovation & Technology Alliance (GITA)

As an outcome of the Prime Minister's Council on Trade & Industry, to support acceleration of India's industrial R&D efforts, The Global Innovation & Technology Alliance (GITA) was set up in 2011, as a PPP JV between the Confederation of Indian Industry (CII) and the Technology Development Board, Department of Science & Technology (DST), Government of India.

GITA is an innovative platform that maps technology gaps, evaluates technologies available across the globe and forges techno-strategic collaborative partnerships appropriate for the Indian economy. GITA connects industrial and institutional partners

for effective matchmaking and collaborative industrial R&D projects, facilitating funding for technology development/ acquisition/ customization / deployment.

Over the years, GITA has been successfully managing various national and bilateral Industrial R&D and technology acquisition projects under the partnership of various Government of India Ministries and Departments, such as the Department of Science & Technology (DST), Ministry of Electronics & Information Technology (MeitY), the Department of Heavy Industry (DHI), the Defence Research & Development Organisation (DRDO), the Department of Industrial Policy & Promotion (DIPP) and the Ministry of Micro, Small and Medium Enterprises (MoMSME). GITA has also collaborated with multilateral bodies such as the European Commission for enhancing the innovation ecosystem.

Interventions have focused on sectors of national relevance to India's technological aspirations e.g., Affordable Healthcare, Clean Technologies including Energy and Transportation, Advanced Manufacturing, Capital Goods Sector, Defence & Aerospace, Information & Communication Technology (ICT), Electronic System Design & Manufacturing (ESDM), Water Technologies (including Water Purification, Desalination, Irrigation Technologies, Waste Water Treatment and Management) etc.

GITA also broadened and formalised its engagement with the Indian innovation ecosystem with the GITA Innovation Exchange (GIXC). The GIXC is a unique, virtual platform that endeavours to create credible connections for technological partnerships, technologies, IP services and finance for innovation, for actors across the innovation spectrum.

5.5.2 Millennium Alliance (MA)

The Millennium Alliance (MA) Program was launched in 2011 jointly by TDB, United States Agency for International Development (USAID) and Federation of Indian Chambers of Commerce and Industry (FICCI) as a platform to identify, test, and scale innovations which bring improvements at the Bottom of the Pyramid (BoP) level. This alliance was forged as an innovation partnership for global development focusing on important sectors including health, basic education, water & sanitation, food security/agriculture and clean energy to ensure that the benefits of innovation percolate to the BoP population. Later, the platform was joined by UK's DFID, ICCO Cooperation, ICICI Foundation for Inclusive Growth, World Bank Group and Facebook.

Each MA partner brought along financial and knowledge based resources with an end aim of supporting social enterprises that could bring about transformational change. The MA was an inclusive platform to leverage Indian creativity, expertise, and resources to identify and scale innovative solutions being developed and tested in India to address development challenges that benefited BoP populations across India and the world. The MA was a network to bring together various social innovators, philanthropy organizations, social venture capitalists, angel investors, donors, service providers and corporate foundations to stimulate and facilitate financial and other support to the innovators.

A USD 25 million fund was setup for a period of 5 years of which contributed ₹ 25.00 crore (₹ 5.00 crore per year). Under The Program, innovators were provided with seed funding, grants, incubation, networking opportunities, business support, knowledge exchange and technical assistance which facilitates further access to equity, debt, and other capital.

The program completed its 5 rounds in the year 2018-19. Through these rounds, the program directly supported 124 innovative projects with a funding support of ₹ 86.7 crore. These projects have touched millions of lives, increasing farmer incomes, providing them access to early grade education, clean drinking water, energy for their homes, affordable & digital healthcare and sanitation facilities.

The supported enterprises were able to leverage the grant given as a catalytic fund to raise external funds as well as develop partnerships for extensive and sustainable project implementation. The projects funded by MA were implemented in 21 states in India. The funds also supported interventions in 11 countries. MA is the only program of its kind to support 22 Indian companies replicate and scale their innovations in Africa (Kenya, Rwanda, Uganda, Ethiopia, Burkina Faso and Malawi) and South Asia (Afghanistan, Bangladesh, Srilanka and Nepal).

The program has played a significant role in entrepreneurship development in the social sector across the globe.

5.6 Technology Day and Presentation of National Awards

5.6.1 Technology Day

Every year National Technology Day is observed across India on May 11. National Technology Day is being commemorated to celebrate the anniversary of first of the five tests of Operation Shakti (Pokhran-II) nuclear test which was held on May 11, 1998 in Pokhran, Rajasthan.

On this day first indigenous aircraft Hansa-3 was test flown at Bangalore and India also conducted successful test firing of the Trishul

missile on the same day. Considering all these achievements May 11 was chosen to be commemorated as National Technology Day.

This day emphasizes the importance of science in day-to-day life and motivates students to adopt science as a career option.

This day urged the industry to build powerful partnerships with the national laboratories and to create knowledge networks with academic institutions for promoting research and development and gaining entry into global markets.

5.6.2 National Award

To commemorate National Technology Day and to encourage the techpreneurs, TDB had instituted National Award. This award is conferred to various industries for successful commercialization of innovative Indigenous Technology.

The Award was given for the very first time on the occasion of the National Technology Day falling on May 11, 1999. M/s Shantha Biotechnics Private Limited, Hyderabad was the first recipient of this award for commercial production of "Recombinant DNA based Hepatitis – B vaccine" disseminated by the then Hon'ble Prime Minister of India, Shri Atal Bihari Vajpayee.

The award carried a cash prize of ₹ 10.00 Lakh and a trophy. In case a technology has been developed and commercialized by separate entities, both are eligible to get the award separately. In 2016, the quantum of the award was increased to ₹ 25.00 lakh.

In August 2000, TDB introduced a cash award of ₹ 2.00 Lakh and a trophy to a Small Sector Industry (SSI) unit that has successfully commercialized a technology-based product.

The first SSI award was given on May 11, 2001. The number and quantum of the award was increased to three and ₹ 5.00 lakh, respectively in the year 2011.

In 2016, this award was renamed as 'MSME Award' and the quantum was increased to ₹ 15.00 Lakh.

During the year 2017-18, TDB introduced a new category of award worth ₹ 15.00 Lakh and a trophy for Start-ups for promising new technology with potential for commercialization.

From 11th May, 2017 onwards, following three categories of awards are given as a part of the Technology Day Celebration:

- *National Award for Successful Commercialization of Indigenous Technology (01*)* – Cash award worth ₹ 25.00 Lakh and a trophy to an industrial concern towards successful development & commercialization of an indigenous technology; in case the technology developer and commercializing organizations are different, each one is eligible for cash prize and trophy;
- *National Award under MSME category for successful commercialization of a technology-based product (03*)* – Cash award worth ₹ 15.00 lakh and a trophy to a MSME that has successfully commercialized product based on indigenous technology;
- *National Award under Start-up Category(01*)* – Cash award worth ₹15.00Lakh and a trophy for promising new technology with potential for commercialization.

* The Selection Committee for National Awards may change the number of awards to be given or may differ if the entries are not found suitable.

5.7 Issuance of “Call for Proposals”

The Board takes a pro-active approach and from time to time issues “Call for Proposal” in different areas of importance in order to familiarise local industry towards the intent of TDB support innovation –driven technology focused projects in various strategic areas as per the policies and the initiatives by Government of India like “Make in India”, “Startup India” and “Atmanirbhar Bharat” etc..

5.8 Dispute Resolution Committee (DRC)

Since inception of TDB, many cases have been declared stressed either due to technology failure or commercialization failure. Owing to these NPAs/Stressed cases, pre-litigation and litigation cases, the Board initiated a mechanism for addressing such cases by constituting a “Dispute Resolution Committee (DRC)” in late 2015.

The objective of DRC is to provide companies a platform to resolve issues related to payment of TDB dues. However, DRC nowhere interferes with the legal proceedings already initiated by TDB. The recommendations of DRC are placed before the Board, for approval. Through this process, issues with many companies have been resolved and recoveries made.

5.9 Online Submission of Project Proposals

Since 2017-18, TDB is practicing digitalized and paperless submission of the application submission process, a way forward towards “Digital India”. This initiative brought more transparency and efficiency in working procedures. “Online Submission of Project Proposals” is done via “Project Management System (PMS)” @<http://www.e-techcom.tdb.gov.in/>.

5.10 Exhibitions/Seminars

To create awareness in the industry, entrepreneurs and R&D institutions about the available financial support from TDB, various activities were undertaken such as interactive meetings/participation in exhibitions in collaboration with other organizations.

5.11 Creation of Social Media Platform

In order to get transparency in functioning, getting broader connectivity and also considering the importance of Social Media platforms in present scenario, TDB felt the need to have its own Social Media platforms and created its official pages as follows:

Facebook: www.facebook.com/tdbgoi

LinkedIn: <https://www.linkedin.com/in/technology-development-board/>

Twitter: <https://twitter.com/tdbgoi>

Instagram: www.instagram.com/technologydevelopmentboard/



**Year at a
Glance**

YEAR AT A GLANCE

In the FY 2020-21, TDB entered into thirteen agreements to provide financial assistance to various industrial concerns. Through these agreements, TDB has committed ₹ 23.74 crore as a Loan and ₹ 7.30 crore as a Grant out of total project cost of ₹ 80.92 crore, covering various sectors.

1.0 Applications Received in 2020-21

During the FY 2020-21, TDB received 29 applications via regular mode and 235 applications were received via call for proposal "Fighting COVID-19". This call was announced on March 23, 2020 where TDB invited proposals/applications from Indian companies and enterprises. Out of these 235 applications, 114 applications were found in order as per TDB's Funding Guidelines. So this year a total 143 applications were processed by TDB.

1.1 Sector wise breakup:

Sector wise distribution of these 143 applications is as under:

(Rs.in crore)

S. No	Sectors	Number of Applications	Estimated Total Cost	Assistance sought from TDB
1	Health & Medical	80	1349.67	599.60
2	Engineering	4	141.48	63.06
3	Information Technology	42	254.08	108.21
4	Chemical	1	21.25	10.00
5	Agriculture	3	75.13	10.87
6	Tele-Communication	1	19.79	3.10
7	Road Transport	2	27.40	12.45
8	Energy – and Waste Utilization	2	16.46	6.73
9	Electronics	8	111.40	43.80
	Total	143	2016.66	857.81

1.2. State wise breakup:

State wise distribution of these 143 applications is as under:

(Rs.in crore)

S. No	States	Number of Applications	Estimated Total Cost	Assistance sought from TDB
1	Karnataka	40	267.65	129.55
2	New Delhi	22	177.27	76.57

3	Andhra Pradesh/Telangana	14	349.99	150.03
4	Haryana	3	201.35	55.00
5	Maharashtra	26	562.27	251.10
6	Gujarat	1	7.10	1.00
7	Tamil Nadu	11	99.99	33.34
8	Uttar Pradesh	10	159.63	69.97
9	Orissa	2	0.77	0.32
10	Manipur	0	0.00	0.00
11	Bihar	1	1.18	0.52
12	Jharkhand	1	0.15	0.15
13	Punjab	2	70.43	10.10
14	West Bengal	5	12.03	5.89
15	Goa	1	100.00	70.00
16	Kerala	1	0.80	0.35
17	Madhya Pradesh	1	1.33	1.33
18	Rajasthan	2	4.71	2.60
Total		143	2016.66	857.81

2.0 Agreements Signed during FY 2020-21

This year TDB signed thirteen agreements with various industrial concerns. Details are as follows:

S.No	Name of the Company	Name of the Project	Sector
1	M/s Mylab Discovery Solutions Private Limited, Pune	Manufacturing of Testing Kits to detect Covid Corona Virus	Health & Medical
2	M/s Thincr Technologies India Private Limited, Pune	Development of low cost and more efficient masks coated with antiviral agents to protect spread and protection of Covid19 and other viral infections	Health & Medical
3	M/s Medzome Life Sciencez Private Limited, New Delhi	Development and commercialization of fluorescence-based Rapid COVID-19 Detection Kit	Health & Medical
4	M/s QuNu Labs Private Limited., Bangalore	Commercialization of QuNu's Quantum Technology Security Products	Information Technology
5	M/s Advance Mechanical Services Private Limited, Bangalore	Industrial IOT enabled IR Thermography-based Temperature Scanner	Engineering

6	M/s Cocoslabs Innovative Solutions Private Limited, Bangalore	Advanced video analytics for low-cost thermal cameras to identify persons with abnormal body temperature in public places	Engineering
7	M/s Evobi Automations Private Limited, Bangalore	Portable Ultra-Violet based Box Sterilizer & Modular Movable Ultra-Violet based Indoor Room Sterilizer	Health & Medical
8	M/s Nanoclean Global Private Limited, New Delhi	Nanomask Semi-Automatic N95 production Machine	Health & Medical
9	M/s inDNA life Sciences Private Limited, Bhubhneshwar	inPhilia-Solutions for parenthood comprehensive genetic screening for optimize parenting	Health & Medical
10	M/s Salcit Technologies Private Limited, Hyderabad	kAs, a screening and monitoring tool for COVID 19	Information Technology
11	M/s Iatome Electric (I) Private Limited, Coimbatore	Battery Powered Compact Digital Portable X-ray Machine	Health & Medical
12	M/s Briota Technologies Private Limited, Pune	Covid-19 Monitoring and Management solution for Affected, Quarantined or Co-Morbidity High Risk Patients to avoid or delay Lung Complications in order to reduce Case Fatality Rate (CFR)	Health & Medical
13	M/s RCC Laboratories India Private Limited, Hyderabad	Establishment of Specific Pathogen Free (SPF) Laboratories Animal Breeding and Testing Facility	Health & Medical

3.0 Disbursement

TDB had disbursed an amount of ₹ 47.80 crore towards on-going, new projects and other schemes in FY 2020-21. This included ₹ 47.57 crore as loan; ₹ 0.12 crore as grant and ₹ 0.11 crore to UTI/other VCF/ITVUS for investment.

TDB has disbursed an amount of ₹ 3.51 crore against call for proposals "Fighting COVID-19", this include ₹ 2.12 crore as loan and ₹ 1.39 crore as grant.

4.0 Projects Completed

The following companies supported by TDB declared their project completed during the FY 2020-21:

S.No	Name of the Company	Name of the Project	Sector
1	M/s TATA Power Company Limited, Bangalore	Setting up Defence Manufacturing Facility at 50 acres Land at Vemagal Industrial Area, Kolar District, Karnataka	Defence & Civil Aviation
2	M/s. SoffTech Engineers Limited, Pune	Development and commercialization of Rule Buddy products (erstwhile "ArchiTx")	Information Technology

5.0 Settlement / Repayment of Loan

During the year, following companies financed by TDB repaid their loan / settled their loan account:

S. No	Company name	Project titled
1	M/s Basic Healthcare Products Private Limited, Chandigarh	Commercialization of Indigenous Bone Grafting technology
2	M/s i2i Telesolutions& Telemedicine Private Limited, Bangalore	Development & Commercialization of technologies for a TelePACSTM based Healthcare Exchange for internet and mobile based Healthcare access
3	M/s Sickle Innovations Private Limited, Ahmedabad	Grading and sorting machine for fruit and vegetables
4	M/s Siechem Technologies Private Limited, Chennai	Development and commercialization of (i) High temperature resistant Hybrid EBXL power cables; (ii) High heat & fire resistant EBXL cable which is rodent, termite, insect resistant for use in High rise buildings, running trains and marine applications; and (iii) White colour Synthetic coated, Electron Beam Cured leather for making cricket balls
5	M/s Ind-swift Laboratories Limited, Chandigarh	Setting up a project for Commercialization of API's". The company proposed to manufacture API's namely: Quetiapine, Fumarate, Ropinirole HCl, Aripiprazole, ClopidogrelBesylate, Risedronate Sodium, Venlafaxine HCl, Donepezil, Nateglinide and Fluvastatin Sodium

6.0 Technology Day

The following winners have been awarded with the National Award-2020 under following three categories:

Award Category	Awardees (Company Name)
National Award for successful commercialization of Indigenous technology	<ul style="list-style-type: none"> • M/s L&T Special Steels And Heavy Forgings, Surat, Gujarat (Technology Provider – Nuclear Power Corporation of India Limited, Mumbai, Maharashtra) for - "Indigenous Technology Development of Low Alloy Steel Heavy Forgings For 700 MW Nuclear Power Plant Steam Generators" • M/s Vinati Organics Limited., Mumbai, Maharashtra (Technology Provider – CSIR-Indian Institute of Chemical Technology., Hyderabad, Telangana) for - "p-TertButyltoluene& p-TertButylbenzoic acid (from Lab to Pilot to commercial scale)".

<p>National Awards under MSME category for successful commercialization of a technology-based product</p>	<ul style="list-style-type: none"> • M/s AKS Information Technology Services Private Limited, Delhi for- 1. AKS Forensic Workstation; 2. Web Application Firewall 3. Anti-DDOS Solution; 3. Anti-DDOS Solution. • M/s SVP Laser Technologies Private Limited, Chennai, Tamil Nadu, for- “Multi CNC Large Scale Foam Rapid Prototyping machine (LSFRP) with indigenously developed MultiCNC controller & AutoCAM2D software” • M/s KanBiosys Private Limited, Pune, Maharashtra, for- “Speed Kompost TM for In-situ Accelerated and Sustainable Rice Straw Decomposition [ASRSD]” • M/s AlgalR Nutra Pharms Private Limited, Thanjavur, Tamil Nadu, for- “Vegan Omega-3 (Algal Dha Oil, Algal Dha Powder), Omega3-animal feeds”
<p>National Awards under Start-up Category</p>	<ul style="list-style-type: none"> • M/s RAR Engineering Private Limited, Delhi for – “Indigenous Active Recoil Buffer System and Vibration Control Equipments for Defence, Aerospace and Civil Applications” • M/s Fibroheal Woundcare Private Limited, Bangalore, Karnataka for- “Fibroheal –Silk protein derived wound dressing” • M/s Althion Tech Innovations Private Limited, Hyderabad, Telangana for- “Novel RO membrane and process for ultra-pure water” • M/s KBCols Sciences Private Limited, Pune, Maharashtra for- “Natural and safe Colors from renewable resources as an alternative to harmful chemical colors used in all industries (eg: Textiles, Foods, cosmetics)” • M/s ShiraMedTech Private Limited, Ahmedabad, Gujarat, for- “Shira Clamps” • M/s Newndra Innovations Private Limited, Jaipur, Rajasthan for- “Jaipur Belt: Efficient, affordable, un-powered and lightweight exoskeleton for spine and waist problems.”

7.0 Participation in Venture Capital Funds (VCFs)

TDB has so far (till March 31, 2021) participated in 11 Venture Capital Funds, along with other investors, with total commitment of ₹ 285.00 crore, leveraging total funds aggregating to ₹ 2281.77 crore. (as submitted by Investment manager) from other investors. TDB has disbursed ₹ 258.13 crore towards its committed disbursement and has received an amount of ₹ 225.55 crore from the exit proceeds of these funds. TDB's funds have been invested in close to 209 companies, through participation in these VCF's

This year ₹ 15.88 crore was received towards redemption. Details are placed in table below:

(Rs. in crore)

S.No	Fund Name	Investment Manager	Total Fund size	TDB Commitment	Receipts during FY 2020-21 towards redemption
01	Biotechnology Venture Fund (BVF)	APIDC Venture Capital Ltd, Hyderabad	155.00	30.00	0.396
02	SME Technology Venture Fund	Gujarat Venture Finance Ltd (GVFL), Ahmadabad	89.32	15.00	-
03	Ivycap ventures Trust Fund I	Ivycap ventures Advisors Pvt Ltd, Mumbai	238.20	25.00	1.57
04	Multi Sector Seed Capital Fund	Blume Ventures Advisors Pvt Ltd, Mumbai	100.00	25.00	9.61
05	SME Tech Fund RVCF II	Rajasthan Asset Management Company Pvt Ltd, Rajasthan	150.00	15.00	1.18
06	SEAF India Agribusiness Fund	SEAF India Investment Advisors Pvt Ltd, Mumbai	106.25	25.00	0.11
07	India opportunities Fund (IOF)	SIDBI Venture Capital Ltd, Fund	421.30	25.00	2.25
08	Ventureast Tenet Fund II	Ventureast Fund Advisors (India) Pvt Ltd, Chennai	54.45	15.00	-
09	Indian Fund for sustainable Energy	CII, IIM Ahmadabad	125.00	10.00	0.77
Total					15.88



**Agreement
Signed**



Manufacturing of Testing Kits to detect Covid Corona Virus



M/s Mylab Discovery Solutions Private Limited, Pune

SECTOR: Health & Medical

Technology Development Board (TDB) has entered into an agreement on 22.05.2020 with M/s Mylab Discovery Solutions Private Limited, Pune for implementation of their project titled "Manufacturing of Testing Kits to detect Covid Corona Virus" for financial assistance of ₹ 400.00 lakh against the total project cost of ₹ 1360.00 lakh.

About The Company

M/s Mylab Discovery Private Limited, Pune was the first indigenous company to have developed a real-time PCR-based molecular diagnostic kit that screens and detects samples of people who display flu-like symptoms. The kit was developed, approved by ICMR and CDSCO, and deployed in a very short time. Further, the company has developed a highly sensitive antigen kit reaching more than 2 crore Indians in remote areas who did not have access to RT-PCR testing as well as Compact XL to automate RT-PCR testing and resolve delays and errors in diagnostics.

About the Project and Product

The objective of the Project is to develop a setup for manufacturing 4000 kits a day (4 lakh tests a day) by bringing in the automation machines in the process. The company with this project will be able to produce and fulfil the increasing demand for COVID-19 testing. The availability of these kits will also help the country to increase the number of tests that can be conducted on daily basis.



RT-PCR testing Kit by M/s Mylab Discovery Private Limited., Pune

Financial Assistance:

₹ **400.00** lakh

Project cost:

₹ **1360.00** lakh

Development of low cost and more efficient masks coated with antiviral agents to protect spread and protection of Covid 19 and other viral infections



M/s Thincr Technologies India Private Limited, Pune

SECTOR: Health & Medical

Technology Development Board (TDB) has entered into an agreement on 08.07.2020 with M/s Thincr Technologies India Private Limited, Pune for implementation of their project titled "Development of low cost and more efficient masks coated with antiviral agents to protect spread and protection of Covid 19 and other viral infections" for financial assistance of ₹ 7.50 lakh against the total project cost of ₹ 27.40 lakh.

About The Company

M/s Thincr Technologies India Private Limited, Pune is working on various new innovative products such as Home Automation system, 3D-Printers, Automatic Dispenser, Automatic Elevated Plus Maze system. Company has built innovative FDM type 3D printers. Their core objective of working on their 3D-Thincr project is to develop 3D printers for pharmaceutical applications and to develop new 3D printed pharmaceutical formulations. They worked on 3D printing filaments of some of the medicaments (e.g. Amlodipine, telmisartan and Dextromethorphan) and its 3D printed formulations.

About the Project and Product

The project submitted to TDB was for the 3D printing of anti-viral agents on the masks as a preventive measure against COVID-19. Sodium Olefin Sulfonate based mixture which is widely used in cosmetics is formulated as a coating on the mask. Sodium olefin sulfonate which is a soap forming agent has hydrophilic and hydrophobic properties when come in contact with enveloped viruses, it disrupts the outer membrane of the latter.

The company could successfully establish the setup and the chemical formulation and started the production of antiviral coated mask in the month of February 2021.

In addition, the company will collaborate to focus on developing different types of virucidal coating formulations. These formulations can be incorporated as an additional layer in N-95 masks, 3-Ply masks, simple cloth masks through 3D printing technology and can be an added protection beyond the normal masks. The company is further exploring the possibility of using Fused Deposition Modeling (FDM) 3D printers for new pharmaceutical formulations and drug-loaded filaments of different types.



Thincr- Virucidal coated masks by M/s Thincr Technologies India Private Limited., Pune

Financial Assistance:

₹ **7.50** lakh

Project cost:

₹ **27.40** lakh

Development and commercialization of fluorescence-based Rapid COVID-19 Detection Kit



M/s Medzome Life Sciencez Private Limited, New Delhi

SECTOR: Health & Medical

Technology Development Board (TDB) has entered into an agreement on 09.07.2020 with M/s Medzome Life Sciencez Private Limited, New Delhi for implementation of their project title "Development and commercialization of fluorescence-based Rapid COVID-19 Detection Kit" for Grant assistance of ₹ 47.50 lakh against the total project cost of ₹ 100.00 lakh.

About The Company

M/s Medzome Life Sciencez Pvt Ltd, New Delhi is a manufacturing unit for rapid diagnostic devices based on lateral flow immunoassay. The Company is registered at New Delhi and the project implementation site is at Baddi, HP. They are already in the market with their diagnostic kits for Malaria, Dengue, Chikungunya, Typhoid and Syphilis among others. The mission of the Company is to manufacture high quality, cost-effective, technologically advanced diagnostic test kits.

About the Project and Product

The Company will develop a fluorescence based rapid COVID-19 Detection Kit based on a lateral flow chromatographic immunoassay. The routinely used antibody-based lateral flow Immuno chromatography test is visualized by colloidal gold-nano particles. To make the test more sensitive, the Company will be using fluorescence tags. The detecting antigen will be labelled with fluorescent dye and the fluorescence reader will be used to detect the dye. The antibody test can be used for the rapid screening of COVID-19 carriers, symptomatic or asymptomatic, in hospitals, clinics, and test laboratories. This test does not require well-established laboratory facilities or technical persons and therefore is expected to be cost effective.



Fluorescence Reader by M/s Medzome Life Sciencez Pvt Ltd., New Delhi

Financial Assistance:

₹ **47.50** lakh

Project cost:

₹ **100.00** lakh

Commercialization of QuNu's Quantum Technology Security Products



M/s QuNu Labs Private Limited, Bangalore

SECTOR: Information Technology

Technology Development Board (TDB) has entered into an agreement on 28.08.2020 with M/s QuNu Labs Private Limited, Bangalore for implementation of their project title "Commercialization of QuNu's Quantum Technology Security Products" for Loan assistance of ₹ 280.00 lakh against the total project cost of ₹ 586.00 lakh. As per the Agreement, the project would be completed by March 31, 2021.

About The Company

M/s QuNu Labs Private Ltd., Bangalore is in the Quantum Security Technology space, engaged in the development of security products based on quantum technologies. The company provides commercial solutions whose security is assured by laws of quantum mechanics.

About the Project and Product

The company is engaged in the development of security products based on quantum technologies. The initial platforms include a Quantum Key Distribution (QKD) system and Quantum Random Number Generator (QRNG). The product variants built on these platforms are listed below:

Brand	Product Category
ARMOS	Quantum Key Distribution
HODOS	Quantum Secure Platform for QKD
TROPOS	Quantum Random Number Generator

This proposal envisages the commercialization of the above products.



ARMOS by M/s QuNu Labs Private Ltd., Bangalore

Quantum Key Distribution (QKD) is a technology by which one can exchange a key for encryption between two ends of a communication link with safety ensured by laws of quantum mechanics. The key exchange process is done on a separate fiber channel called the Quantum Channel, on which the information is sent in the form of encoded Quantum bits or "qubits". Generally, encoded photons are used and since the intensity is low, only a few of them reach the other end. Thereafter, by a process of handshaking between the two sides, done via the "classical" channel, both sides arrive at a common, sifted key. This further goes through a process of error correction and privacy amplification to further enhance its secrecy.

Such a key, derived by this sifting process is deemed to be "unconditionally secure" or in other words, even if an adversary has any amount of physically permissible computational power, he would not be able to discern the key. If an adversary tries to eavesdrop on the communication link, he will either be detected or unable to acquire adequate information and this fact is guaranteed by the principles of Quantum Physics.

QuNu has successfully interfaced the QKD platform with routers/encryptors/proprietary equipment of several large OEM's and PSU's which supply encryption solutions to Indian Defence establishments.

Financial Assistance:

₹ **280.00** lakh

Project cost:

₹ **586.00** lakh

Industrial IOT enabled IR Thermography-based Temperature Scanner



M/s Advance Mechanical Services Private Limited (AMSPL), Bangalore

SECTOR: Engineering

Technology Development Board (TDB) has entered into a Grant Agreement on 4th September, 2020 with M/s Advance Mechanical Services Private Limited (AMSPL), Bangalore for implementation of their project titled “Industrial IOT enabled IR Thermography-based Temperature Scanner” for grant assistance of ₹ 21.50 lakh against the total project cost of ₹ 70.00 lakh. As per the Agreement, the project would be completed on before July 31, 2021.

About The Company

Advance Mechanical Services is a technology conglomerate providing solutions and services around Automation and Engineering to its customers worldwide.

For past several years, Company is providing technology solutions in the areas such as CAD/CAM/CAE/PLM, Design Engineering, Controls Engineering, Automation, Robotics programming, Manufacturing Process Planning and Management, Program/Project management & Digital Manufacturing.

About the Project and Product

The project is to develop a commercial scale and reliable Industrial IOT enabled IR Thermography-based Temperature Scanner. AMSPL intends to commercialize Infrared Thermography-based Scanner for Rapid Measurement and Real Time Decision Making using an uncooled micro bolometer and video analytics platform indigenously developed providing real-time alerts and analytics using AI and IIOT. The product will be launched in the name of AMS Thermal Monitoring and Automation System (ATMAS).

Financial Assistance:

₹ **21.50** lakh

Project cost:

₹ **70.00** lakh

Advanced video analytics for low-cost thermal cameras to identify persons with abnormal body temperature in public places



M/s Cocoslabs Innovative Solutions Private Limited, Bangalore

SECTOR: Engineering

Technology Development Board (TDB) has entered into a Loan Agreement on September 23, 2020 with M/s Cocoslabs Innovative Solutions Private Limited, Bangalore for implementation of their project titled “Advanced video analytics for low-cost thermal cameras to identify persons with abnormal body temperature in public places” for loan assistance of ₹ 275.00 lakh against the total project cost of ₹ 590.94 lakh. As per the Agreement, the project would be completed on before 31st March, 2021.

About The Company

M/s Cocoslabs Innovative Solutions Private Limited, Bangalore, is in intelligent video analytics space. Cocoslabs Innovative Solutions conducts its business under the brand name 'Pixuate'. This company specializes in advanced software in the area of Computer Vision, Machine Learning and Artificial Intelligence.

About the Project and Product

Cocoslabs has developed an innovative Thermal Analytics solution to combat COVID-19 situations and prevent the spread of infection in public places. The thermal analytics solution. They use thermal camera feeds to detect body temperature and map it to the individual's face image, along with elevated body temperature, the solution also provides additional analytics like mask detection, social distance check, person face screenshot with date and time of entry, gender and age. The solution can also be combined with Pixuate's face recognition solution for offices and companies to enable contactless attendance.

Financial Assistance:

₹ **275.00** lakh

Project cost:

₹ **590.94** lakh

Portable Ultra-Violet based Box Sterilizer & Modular Movable Ultra-Violet based Indoor Room Sterilizer



M/s Evobi Automations Private Limited, Bangalore

SECTOR: Health & Medical

Technology Development Board (TDB) has entered into an agreement on 25.09.2020 with M/s Evobi Automations Private Limited, Bangalore for implementation of their project titled "Portable Ultra-Violet based Box Sterilizer & Modular Movable Ultra-Violet based Indoor Room Sterilizer" for financial assistance of ₹ 15.00 lakh against the total project cost of ₹ 35.50 lakh.



Distribution of UV sanitization boxes in different government organizations by M/s Evobi Automations Private Limited, Bangalore

About The Company

The company is working on the next generation of products and software to keep close pace with technology. The Products includes software & hardware platform for kids to tinker and build any idea they have in mind. The platform domains include Robotics, Gaming, Augmented Reality (AR), Virtual Reality (VR), personal smart toys, Language and object identification learning toys for younger kids.

About the Project and Product

The company has entered into an agreement for commercialization of its product "Portable Ultra-Violet based Box Sterilizer & Modular Movable Ultra-Violet based Indoor Room Sterilizer". The company has developed Ultraviolet Sanitizers in two different models: one of which is portable model while other is movable. The Company has distributed 450 UV sanitizer boxes to various hospitals including JJ Hospital, Mumbai, Sasson Hospital, Pune, TMC & Nair Hospital, Mumbai and also various Government schools across the country. Company has sold more than 500 UV Sanitizer boxes and is receiving orders from various organizations.

Financial Assistance:

₹ **15.00** lakh

Project cost:

₹ **35.50** lakh

Nasomask Semi-Automatic N95 Production Machine



M/s Nanoclean Global Private Limited, New Delhi

SECTOR: Health & Medical

Technology Development Board (TDB) has entered into an agreement on 24.11.2020 with M/s Nanoclean Global Private Limited, New Delhi for implementation of their project titled "Nasomask Semi-Automatic N95 Production Machine" for financial assistance of ₹ 50.00 lakh against the total project cost of ₹ 153.65 lakh.

About The Company

M/s Nanoclean Global Private Limited. Majorly deals with Anti-Pollution Face Mask, Disposable Nose Filter, and Disposable Nose Mask. They have been awarded with National Startup Award from the President of India in 2017 for the product, Nasofilters.

About the Project and Product

TDB has supported the company for the N95 mask production during the COVID pandemic. The company, with the TDB's financial support, has successfully assembled and installed the semi-automatic N95 mask production machine and started commercial scale production of N95 masks. In return of the grand-in aid support of TDB, the Company has distributed one lakh N95 Masks to the Delhi Police. Further, the company has supported India's fight against COVID 19 by manufacturing and providing more than 3.0 lakhs N95 masks for the citizens.



Signing of Grant Agreement



Mask distribution to Delhi police

Financial Assistance:

₹ **50.00** lakh

Project cost:

₹ **153.65** lakh

inPhilia-Solutions for Parenthood – Comprehensive genetic screening for optimized parenting



M/s in DNA Life Sciences Private Limited., Bhubaneswar

SECTOR: Health & Medical

Technology Development Board (TDB) has entered into an agreement on 02.12.2020 with M/s inDNA Life Sciences Private Limited., Bhubaneswar for implementation of their project titled “inPhilia-Solutions for Parenthood – Comprehensive genetic screening for optimized parenting” for Loan assistance of ₹ 180.00 lakh against the total project cost of ₹ 425.00 lakh.

About The Company

inDNA Life Sciences is the first DNA based Clinic and a molecular platform innovated to offer customized solutions for identification of DNA based changes and its impact on the health and disease outcome. The Company has taken steps to personalize disease management by offering a range of DNA based solutions, to a range of clinical problems, in the fields of Cytogenetics, Cancer, Genetic Disorders, and Mendelian defects. The company has successfully installed a one of its kind Next generation DNA sequencing platform which is a first among such installation in Eastern India. The laboratory is an NABL accredited laboratory, becoming one of the few accredited molecular genetic laboratory presently operating in Eastern part of the country. The laboratory has also successfully collaborated with the leading clinicians in these fields.

About the Project and Product

The Company with financial assistance from TDB, aims to commercialize their indigenous

product ‘inPhilia’ which comprises of two in-house developed panels for molecular testing and screening of genetic variations related to recurrent pregnancy loss and molecular basis of male and female infertility in the Indian Population.

The outcome of the project is expected to be the creation of a genetic sequence library and generation of a database of known and novel mutations pertinent to the population of Indian origin. This will lead to identification of the causative factors behind recurrent pregnancy losses, IVF failures and idiopathic infertility; and clinically correlate lifestyle changes with infertility. The availability of these genetic panels will generate region specific database to benchmark these test in India.

Further, the technology already developed internationally for optimal performance will be validated with the Indian genetic makeup. Additionally, the costs will be optimized in order to increase affordability for citizens of India.

When introduced in the healthcare system, this solution is expected to reduce the burden of genetic diseases in the IVF babies and also aid in providing optimized fertility testing. This will lead to a positive impact on the health of future generations in India.

Financial Assistance:

₹ **180.00** lakh

Project cost:

₹ **425.00** lakh

kAs, a screening and monitoring tool for COVID 19



M/s Salcit Technologies Private Limited, Hyderabad

SECTOR: Information Technology

Technology Development Board (TDB) has entered into an agreement on 11.12.2020 with M/s Salcit Technologies Private Limited, Hyderabad for implementation of their project title “kAs, a screening and monitoring tool for COVID 19” for grant assistance of ₹ 20.00 lakh against the total project cost of ₹ 60.00 lakh. As per the Agreement, the project would be completed on 30.04.2021.

About The Company:

M/s Salcit Technologies Private Limited, Hyderabad is incubated out of VJHUB (ViganaJyothi Centre for Entrepreneurial Excellence, a section 8 registered company) at Hyderabad. The company is in development of digital health solutions for respiratory diseases based on audiometric evaluation of respiratory sounds using their patented Swaasa AI platform.

About the Project and Product

The Company proposed development and commercialization of a mobile application to screen and monitor masses towards containing COVID-19. kAs mobile application with user interface captures symptoms data and record cough sounds. The application also has interface to show the composite risk score and risk trend to user. Swaasa AI platform which does the audiometric analysis based on Machine learning based analytics. The platform received inputs from mobile or web client, process the data and returns the prediction and detailed analytics as output. Salcit tool “kAs” powered by AI platform, “Swaasa”, provides precisely this capability to aid Government and other civic authorities in

prioritizing the patients with respiratory illness.

This risk score is a better predictor of the subject’s risk as the cough sounds analysis provides a detailed insight into lung health status. Salcit system then allows this Risk Score to be tracked over time for large populations.

Using this tool, lower respiratory tract infection and associated respiratory pattern like Restrictive or Obstructive can be traced. Also, indicative information on diseases like Pneumonia can be provided.

Swaasa’s technology is registered with the Clinical Trials Registry- India (CTRI)& WHO’s International Clinical Trials Registry Platform (ICTRP) for respiratory sound analysis and its correlations with clinical studies.

Salcit is part of GOI’s Bio-incubator at C-CAMP.



Financial Assistance:

₹ **20.00** lakh

Project cost:

₹ **60.00** lakh

Battery Powered Compact Digital Portable X-Ray Machine



M/s IATOME Electric India Private Limited, Coimbatore

SECTOR: Health & Medical

Technology Development Board (TDB) has entered into a Grant Agreement on 22nd January, 2021 with M/s IATOME Electric India Private Limited, Coimbatore for implementation of their project titled "Battery Powered Compact Digital Portable X-Ray Machine" for grant assistance of ₹ 118.00 lakh against the total project cost of ₹ 236.00 lakh. As per the Agreement, the project would be completed on before 30th September, 2022.

About The Company:

M/s IATOME Electric India Private Limited, Coimbatore is a Power Electronics Engineering and Technology company with product profile on X-Ray Generators and High Voltage Electronics. They have developed their own indigenous technology for x-ray generation, involving advanced methods in electrical, mechanical, high voltage, materials & software engineering.



Portable X-Ray Machine by M/s IATOME Electric India Private Limited, Coimbatore

About the Project and Product

The company is in Power Electronics Engineering and Technology with product expertise of X-Ray Generators and High Voltage Electronics. The company provides Engineering Design Development services in the areas of Power Electronics. Over the years, the company invested resources and developed its own technology for x-ray and high voltage products. The new technology of integrating digital control with high frequency power conversion and composite insulation resulted in compact X-ray sources. Further, Iatome is already equipped with AERB licensed facility where X-Ray equipment are being manufactured & testing and certification done in-house. In the wake of rapid spreading of Corona Virus infection to the public of our country and state, the proposed project intends to develop hand held standalone x-ray system that can be taken to the patient, and obtain a radiography image of the chest, extremities (anything other than very thick anatomy). Thus, under the present project, Iatome intends to develop a total 9 units – 01 for concept, 03 for prototype, 05 for Pilot production & Regulatory.

Financial Assistance:

₹ **118.00** lakh

Project cost:

₹ **236.00** lakh

Covid-19 Monitoring and Management solution for Affected, Quarantined or Co-Morbidity High Risk Patients to avoid or delay Lung Complications in order to reduce Case Fatality Rate (CFR)



M/s Briota Technologies Private Limited, Pune

SECTOR: Health & Medical

Technology Development Board (TDB) has entered into a Grant and Loan Agreements on 2nd March, 2021 with M/s Briota Technologies Private Limited, Pune for implementation of their project titled " Covid-19 Monitoring and Management solution for Affected, Quarantined or Co-Morbidity High Risk Patients to avoid or delay Lung Complications in order to reduce Case Fatality Rate (CFR)" for loan assistance of ₹ 85.00 lakh and grant assistance of ₹ 50.00 lakh against the total project cost of ₹ 370.00 lakh. As per the Agreement, the project would be completed on before 31st April, 2022.

About The Company:

The Company is in digital health and wellness space. They are providing innovating tech solutions for remote care, diagnostics and management for chronic respiratory conditions. In order to simplify the treatment and monitoring of conditions like Asthma and COPD, they have provided cutting-edge tech solutions tailored to both patients and doctors.

About the Project and Product

Development, enhancement and commercialization of Briota's Digital Respiratory Platform to be used as "Covid-19 Monitoring and Management solution for Affected, Quarantined or Co-Morbidity High Risk Patients to avoid or delay Lung Complications in order to reduce Case Fatality Rate (CFR)". The project envisages commercialization of the product named "SpiroPRO" –which is India's first cost effective CDSCO approved indigenous spirometer. The digital handheld spirometer will be used to measure and monitor lung capacity, to diagnose lung infection/reduced capacity. It comes with a Mobile App, NEHA (Nurse Educator and Health Assistant) to assist during monitoring of lung condition and managing Ventilator support with telemedicine/tele counselling facility. Keeping the highly contagious nature of COVID-19 in mind, the project will assist the company to parallelly redesign their Spirometer hardware and add necessary software interfaces for one time use i.e. – Disposable Unit and home use also.



"SpiroPRO" M/s Briota Technologies Private Limited

Financial Assistance:

₹ **135.00** lakh

Project cost:

₹ **370.00** lakh

Establishment of Specific Pathogen Free (SPF) Laboratory Animal Breeding and Testing Facility



M/s RCC Laboratories India Private Limited., Hyderabad

SECTOR: Health & Medical

Technology Development Board (TDB) has entered into an agreement on 10.3.2021 with M/s RCC Laboratories India Private Limited., stateHyderabad for implementation of their project title "Establishment of Specific Pathogen Free (SPF) Laboratory Animal Breeding and Testing Facility." For Loan assistance of ₹ 1554.00 lakh against the total project cost of ₹ 4079.00 lakh. As per the Agreement, the project would be completed on/before 30.8.2023

About The Company

RCC Laboratories is one of the premier companies providing Preclinical, Safety, Toxicology&Chemical Testing and maintain high quality standards and services. The company has recognition for OECD GLP certificate issued by National GLP compliance Monitoring Authority, Ministry of Science & Technology and Accredited by Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC). RCC conducts regulatory toxicology studies to meet the registration mandate for various products such as Pharmaceuticals/Drugs, Agrochemicals (pesticides), Biotech, Medical Devices, Industrial Chemicals, Tobacco, Cosmetics etc

About the Project and Product

Through this project, the company intends to establish a Specific Pathogen Free (SPF) animal breeding and testing facility to cater to the needs of Indian and Global Pharmaceutical and Biotechnology companies. The facility will adhere to global regulatory standards for animal breeding and testing following the guidelines laid out by USFDA, USEPA, OECD, EMEA, AAALAC

Schedule Y, RCGM etc. The facility will maintain high quality SPF animals, which will be bred and used for testing of pesticides, pharmaceuticals, Agro-chemicals etc. At a single location.

SPF animals are required to reduce variability, increase reproducibility in experimental results, thereby reducing drug development costs. SPF animals also help eliminate failed drug/chemical candidates early and give early confirmation of successful candidates. Reliable and unambiguous results from animal safety and efficacy studies are required for regulatory submission globally for drugs, chemicals and medical devices etc.

Lack of a SPF animal facility for breeding and testing in India has made several Indian companies import animals regularly from USA and EU for their laboratory testing purposes. This proposed facility would give Indian companies reliable and local infrastructure to evaluate their molecules in a cost and time effective manner.

Financial Assistance:

₹ **1554.00** lakh

Project cost:

₹ **4079.00** lakh



**Project
Completed**

Setting up Defence Manufacturing Facility at 50 acres Land at Vemagal Industrial Area, Kolar District, Karnataka

M/s TATA Power Company Limited, Bangalore



SECTOR: Defence and Civil Aviation



Technology Development Board (TDB) has entered into an agreement on 17.12.2016 with M/s TATA Power Company Limited, Strategic Engineering Division (Tata Power-SED), Bangalore for implementation of project "Setting up Defence Manufacturing Facility at 50 acres Land at Vemagal Industrial Area, Kolar District, Karnataka" for Loan assistance of ₹ 10900.00 lakh against the total project cost of ₹ 38500.00 lakh.

About The Company

The Strategic Engineering Division (SED), now TATA Advanced Systems Limited, is a wholly owned subsidiary of Tata Sons. It is the strategic aerospace and defence arm of the TATA Group with established capabilities and demonstrated deliveries in the areas of missile systems and sub-systems; radar systems and sub-systems; command & control systems; aerospace & aero-structures; unmanned aerial systems; optronic systems and homeland security solutions.

About the Project and Product

The project envisaged setting up a state-of-the-art innovative strategic electronic manufacturing facility for production of five broad range of equipment in the area of telecom products, strategic electronics, avionics, opto-electronics and power supply for Electronics System Design & Manufacturing (ESDM). The technology was based on in-house development in association with technology partners.

The Company has completed the project and commenced commercial operation from 9.09.2020.

Financial Assistance:

₹ **10900.00** lakh

Project cost:

₹ **38500.00** lakh

Development and Commercialization of Rule Buddy products (erstwhile “ArchITx”)



M/s. SoftTech Engineers Limited, Pune

SECTOR: Information Technology

Technology Development Board (TDB) has entered into an agreement on 6th February 2017 with M/s SoftTech Engineers Limited, Pune for implementation of their project title “development and commercialization of Rule Buddy products (erstwhile “ArchITx”)” for Loan assistance of ₹ 245.00 lakh against the total project cost of ₹ 615.46 lakh.

About The Company

M/s SoftTech Engineers Limited is dedicated to innovative reliable and world-class software products for e-governance and construction businesses, keeping in mind specific needs of their customers. SoftTech has put forth an impressive array of innovative software products like STRUDS, AutoDCR, PWIMS, OPTICON and many more. The company pioneered in automating some of the complex government process like building approvals and works management.

About the Project and Product

Develop & commercialize Rule Buddy as an e-Commerce portal to provide services for project feasibility and building permits through leveraging peretration of its flagship product AutoDCR. The scope of the Rule buddy portal is to provide a design for professional depth and information about building bylaws and building plan approval information.

It is completely indigenouse product developed in-house as one stop solution to address current pain areas in construction project feasibility and building permits during the conception and design stages. Currently, no online portal is available in India to provide such services.

Financial Assistance:

₹ **245.00** lakh

Project cost:

₹ **615.46** lakh



Promotional Activities



This year, due to travel restrictions on account of COVID-19 pandemic, TDB participated in National Conference / Seminars/ Other Events in hybrid mode.

Cyber Security Investors Conference

April 11, 2020

National Centre of Excellence for Cybersecurity Technology Development and Product Entrepreneurship, a joint initiative of DSCI and the Ministry of Electronics and IT (MeitY), hosted "Security Investors Conference" towards making India a destination of cyber security innovation on April 11, 2020. This event was held virtually.

TDB participated in the event and delivered a talk

on TDB Funding on Cyber security Startup's. It was elaborated that, since the market for security product and services creates a conducive and rewarding environment for investment in cyber security start-ups, investment in cyber security in India have been picking up gradually and there is a scope to improve the understanding of key issue that will shape investment decision making in the coming years.



Cyber Security Investors Conference

FICCI-TDB Webinar on Funding Opportunities for Start-ups/SMEs for Indigenous Technology Commercialization

April 28, 2020

Technology Development Board and The Federation of Indian Chambers of Commerce & Industry (FICCI) organised a webinar on “Funding Opportunities for Start-ups/SMEs for Indigenous Technology Commercialization”, on April 28, 2020.

TDB officials participated in the event and gave brief on funding opportunities available with TDB for providing financial support to small Indian enterprises, encouraging them for

production of competitive consumer products, motivating industries for product innovation and towards development of socially relevant, profitable technologies. It was reflected that in the COVID-19 crisis, technology has been at the forefront of the battle against the pandemic. As the world adjusts to its new normal, business leader’s world are rethinking and devising new strategies to harness technologies that would help, drive resilience and make them emerge from the crisis stronger.



FICCI-TDB Webinar on Funding Opportunities for Start-ups/SMEs for Indigenous Technology Commercialization April 28, 2020

Digital Conference “RE-START “on National Technology Day

May 11, 2020

Technology Development Board (TDB) and Confederation of Indian Industry (CII) jointly organized a Digital Conference “RE-START” on the occasion of National Technology Day. The digital conference “RE-START (Reboot the Economy through Science, Technology and Research Translations)” was addressed by Hon’ble Union Minister of Science & Technology, Earth Sciences and Health & Family Welfare, Dr. Harsh Vardhan.

The programme also included special addresses by Dr V. K. Saraswat, Member, NITI Aayog; Prof. K. VijayRaghavan, Principal Scientific Advisor to Government of India; Dr. Saumya Swaminathan, Chief Scientist, World Health Organization; Prof. Ashutosh Sharma, DST Secretary; Dr Renu Swarup, Secretary, Department of Biotechnology, Dr Shekhar C. Mande, DG, CSIR and H.E. Mr Vincenzo de Luca, Ambassador of Italy to India also delivered special addresses in various sessions.

This conference brought together Scientists, Technocrats, Government officials, Diplomats, WHO officials and dignitaries from national and

international Industry, Research Institutions and Academic Institutions on a single platform to share their insights on the role of Science, Technology and Innovation in the global healthcare crisis and find solutions that not only assist during the current pandemic but will also help in facing the challenges ahead.

Apart from the digital conference, a virtual exposition with companies whose technologies have been supported by TDB was available through a digital B2B lounge, showcasing their products.



Virtual Exposition by Companies



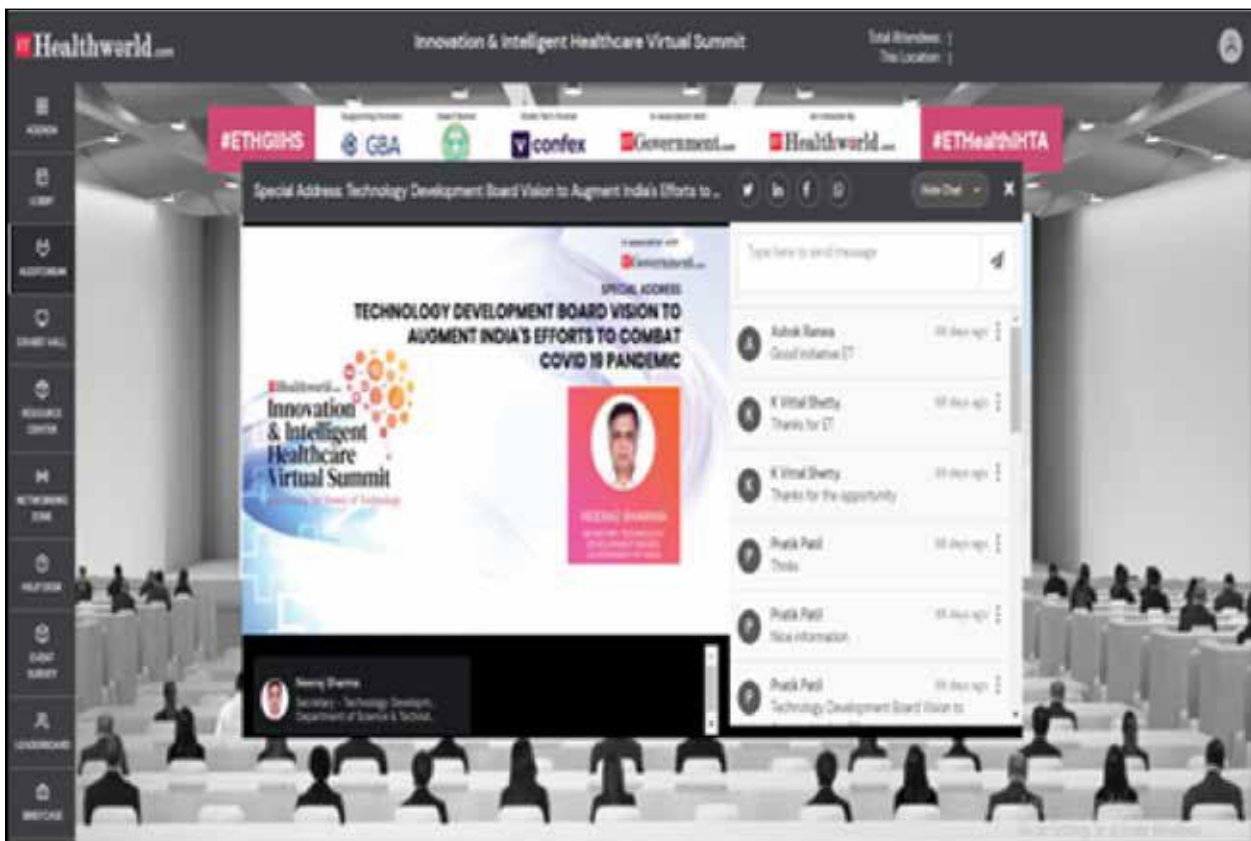
Inauguration of Digital Conference “RE-START “on National Technology Day - May 11, 2020

Innovation & Intelligent Healthcare Summit

September 15-16, 2020

ET Government and ET Health World organized a two-day virtual global summit 'Innovation & Intelligent Healthcare Summit' on September 15-16, 2020 with Technology Development Board as a support partner. This virtual summit was

focused on the emerging technologies, including Artificial Intelligence and National Digital Health Blueprint to strengthen the healthcare delivery systems countrywide. Dr. Neeraj Sharma, Secretary, TDB delivered the keynote address.



Innovation & Intelligent Healthcare Summit

International Conference on Waste to Worth

October 30, 2020

Confederation of India Industry (CII) in association with Technology Development Board, GoI and SBM, Ministry of Housing and Urban Affairs, GoI, organized the International Conference on Waste to Worth on October 30, 2020, towards encouraging better waste management across the country. Effective management of waste contributes in improving the public health, environment and national economy. This finally will leads to Swachh, Swasth, Sashakt, Sampann and Atmanirbhar Bharat. The theme of the conference was

‘Achieving circular economy through innovative 3R techniques’.

Dr. Neeraj Sharma, Secretary, Technology Development Board, GoI, highlighted the importance and need of waste management technologies in India, along with associated challenges faced by India. He stated that so far, TDB has financially supported a few companies within the sector, and willing to encourage and extend more support to Indian techpreneurs.



International Conference on Waste to Worth- October 30, 2020

Virtual Road show on India's Cyber Security R&D Capabilities

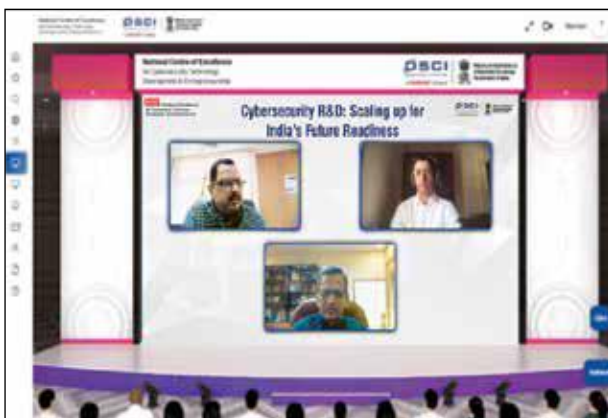
November 06, 2020

TDB Participated in DSCI Road Show, a joint initiative of DSCI and MeitY. The Cyber security R&D Road show was held on Nov 06, 2020 in a virtual mode. The purpose is to make the R&D work of academic researchers, R&D institutes, and the public sector visible to the industry.

This road show was an initiative to have a consolidated view of the collaborative work on Cyber security R&D. It may be a the first step towards many more such future examples for

collaboration among industry, academia, and government to develop India's cyber capabilities.

TDB officials participated in the event and explored the road show to get insight on the research work & state-of-art labs to experience innovative technology prototypes & products and to explore opportunities with researchers and institutes. TDB also contributed in the discussion to boost the country's cyber capabilities.



Virtual Road show on India's Cyber Security R&D Capabilities

56th Annual Seminar of Fertiliser Association of India

December 07-09 , 2020

Agriculture has always remained mainstay of livelihood in India. The theme for the Seminar this year is 'Fertilizer and Agriculture during COVID-19'. This platform facilitated exchange of ideas in the areas of fertilizer supply-demand, price trends, policy environment, fertilizer use efficiency, developments in fertilizer production

technologies and supply chain management during COVID-19.

TDB participated in the event and explored the opportunity to comprehend India specific gaps and required support to the Indian agriculture industry.



56th Annual Seminar of Fertiliser Association of India

26th DST-CII India-Portugal Technology Summit

December 07-09, 2020

TDB participated in the 26th DST- CII Technology Summit held during December 07-09, 2020. The focus themes of the summit were Watertech, Agritech, Healthtech, Energy, Climate Change, IT, ICT, Advanced Technologies, Start-ups & Innovation and Space-Ocean Interactions.

Dr. Harsh Vardhan, Hon'ble Minister of Science & Technology, Health and Family Welfare and Earth Sciences, Government of India, inaugurated

the summit and the digital exhibition on 7th December, 2020.

Professor Ashutosh Sharma, Secretary DST & Chairperson TDB, highlighted that this Summit has served as a platform to forge and strengthen bilateral partnerships, led to the formation of new joint ventures, and created new avenues for collaboration to boost trade and investment between the two countries.



26th DST-CII India-Portugal Technology Summit.

Pre-Event of IISF 2020

December 10, 2020

A 'Pre-Event of IISF 2020' was organised on December 10, 2020 which was jointly coordinated by Technology Development Board, CSIR-NEERI and International Institute of Waste Management (IIWM), Bangalore on the theme – "Self-Reliant India through Entrepreneurship Development in Waste Management". The webinar provided an opportunity for aspiring entrepreneurs, early stage impact start-up's and other ecosystem

players in the waste management sector to bring positive changes in the society, to gain insights into subsectors and scope for entrepreneurship and funding avenues.

TDB participated in the event and detailed about the funding avenues available with TDB for innovative Indian technopreneurs.



Pre-Event of IISF 2020

6th Smart Cities India 2021 Expo

March 24 – 26, 2021

The event was organised by the India Trade Promotion Organisation (ITPO) & Exhibitions India Group and was held at Pragati Maidan, New Delhi, from 24-26 March, 2021. The expo key verticals featured smart city framework of Smart Cities including Buildings, Solar, Transport, Water, etc.

6th Smart Cities India 2021 expo provided a platform that enabled deeper communication and

a more practical approach to resolving societal problems, offering business opportunities for organisations working towards making smart cities a reality.

TDB participated in the event and shared the funding avenues available at TDB for innovative techpreneurs.



6th Smart Cities India 2021 Expo at New Delhi



Administration



ADMINISTRATION

Annual Report and Audited Accounts

Section 12 of the Technology Development Board Act, 1995, prescribes that the Board shall prepare its annual report, giving a full account of its activities during the previous financial year. As per section 13(4) of the Technology Development Board Act, the Board has to furnish to the Central Government, its audited copy of accounts together with auditor's report.

The Annual Report, including audited copy of the Annual Accounts of the Technology Development Board for the year 2019-20 was laid before Rajya Sabha and Lok Sabha on 09.02.2021 and 12.02.2021 respectively.

TDB Secretariat

Smt. Nishtha Bhatnagar, former Manager, State Bank of India has joined TDB as Accounts Officer w.e.f. 08.02.2021.

Implementation of Official Language

With a view to ensure compliance of the constitutional provisions regarding official language, TDB has been encouraging the usage

of Hindi in all official communication. Hindi Pakhwada/ Hindi Diwas was celebrated in the month of September, 2020, wherein various competitions such as Shrutlekh, Essay writing, Poetry, Speech, Translation etc. were organized.

During 2020-21, inspection of TDB by Draft & Evidence Sub-committee of Hindi Parliamentary Committee on Official Language was held on 18.11.2020.

Observance of Vigilance Week

To achieve corruption free governance, Central Vigilance Commission is committed to implement the policy of 'Zero Tolerance against Corruption'. For the year 2020, the Commission decided to observe Vigilance Awareness Week from 27th October to 02nd November 2020 with the theme 'ईश्वर ईश्वर- Satark Bharat, Samriddh Bharat (Vigilant India, Prosperous India)."

TDB acknowledged the responsibility of being a corruption free organization with strict adherence



to Zero Tolerance policy towards Corruption for which TDB observed Vigilance Week from 27th October to 02nd November, 2020, which started with Integrity Pledge taken by all the Officers and Staff Members.

During the week various competition such as Quiz, Debate, Speech, Essay Writing and Slogan Writing were organized. Every staff member of TDB participated in the competition with zeal and enthusiasm.



Annual Statement

ANNUAL STATEMENT OF AUDITED ACCOUNTS FOR THE YEAR 2020-21

Technology Development Board

Balance Sheet as on 31st March, 2021

(Amount in Rupees)

	Schedule	Current Year	Previous Year
CORPUS/CAPITAL FUND AND LIABILITIES			
Corpus/capital fund	1	15,68,59,44,667	14,68,52,37,882
Reserves and Surplus	2	-	-
Earmarked/Endowment Funds	3	8,60,24,859	4,63,51,775
Secured Loans and Borrowings	4	-	-
Unsecured Loans and Borrowings	5	-	-
Deferred Credit Liabilities	6	-	-
Current Liabilities and Provisions	7	73,68,10,769	77,34,99,891
TOTAL		16,50,87,80,295	15,50,50,89,548
Assets			
Fixed Assets	8	84,95,873	66,77,633
Investment - from Earmarked/Endowment Funds	9	65,99,000	65,99,000
Investments - others	10	1,16,63,34,106	1,40,19,52,366
Current Assets, Loan, Advances etc.	11	15,32,73,51,316	14,08,98,60,549
Miscellaneous Expenditure (to the extent not written off or adjusted)			
TOTAL		16,50,87,80,295	15,50,50,89,548
Significant Accounting Policies	24	-	-
Contingent Liabilities and Notes on Accounts	25	-	-

-Sd-
(Rajesh Jain)
Director
Technology Development
Board

-Sd-
(Dr. Neeraj Sharma)
Secretary
Technology Development
Board

-Sd-
(Prof. Ashutosh Sharma)
Chairperson
Technology Development
Board

Technology Development Board

Income and Expenditure Accounts for the Year ending 31st March, 2021

(Amount in Rupees)

INCOME	Schedule	Current Year	Previous Year
Income from Sales/ Services	12	-	-
Grants / Subsidies	13	11,56,38,978	98,38,34,331
Fees/ Subscriptions	14	-	-
Income from Investments (Income on Invest. from Earmarked/Endow)	15	-	-
Income from Royalty, Publication etc.	16	35,09,803	44,87,232
Interest Earned	17	60,00,36,912	63,60,54,565
Other Income	18	35,78,35,993	3,03,563
Increase/(decrease) in stock of finished goods and works-in-progress	19		
TOTAL (A)		1,07,70,21,687	1,62,46,79,691
EXPENDITURE			
Establishment Expenses	20	3,66,06,098	3,35,32,639
Other Administrative Expenses etc.	21	3,26,45,669	35,21,08,711
Expenditure on Grants, Subsidies etc.	22	12,05,791	10,84,242
Interest	23	-	209,24,330
Depreciation (net total at the year-end – corresponding to schedule - 8)		14,32,703	11,03,455
TOTAL (B)		7,18,90,260	40,87,53,377
Balance being Excess of Income Over Expenditure (A-B)		1,00,51,31,426	1,21,59,26,314
Prior Period Adjustments		(44,24,641)	(2,45,734)
Provision for Impairment of Investments			
Transfer to General Reserve		-	-
Balance Being Surplus Carried to Corpus Fund		1,00,07,06,785	1,21,56,80,580
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

-Sd-
(Rajesh Jain)

Director
Technology Development
Board

-Sd-
Dr. Neeraj Sharma)

Secretary
Technology Development
Board

-Sd-
(Prof. Ashutosh Sharma)

Chairperson
Technology Development
Board

Technology Development Board

Receipts and Payments Accounts for the Year ending 31st March, 2021

(Amount in Rupees)

RECEIPTS		Current Year	Previous Year
Opening Balance			
i)	Investment in Short Term Deposits	56,99,00,000	49,95,00,000
ii)	Cash in Hand	34,976	23,520
Cash at Bank			
a)	Bank Balance	1,26,10,21,180	7,59,89,345
b)	Bank Balance - DFID INVENT	3,97,52,776	13,66,14,643
Fund for Technology Development & Application			
i)	TD Fund	10,00,00,000	98,00,00,000
ii)	Fund for Fighting COVID-19	-	75,00,00,000
iii)	Interest on Short Term Deposits	4,23,09,523	3,34,75,287
iv)	Interest on Loans	18,08,99,609	7,64,94,764
v)	Interest on Royalty	2,16,794	2,95,247
vi)	Interest on Grants	14,78,533	-
vii)	Repayment of Loans	96,47,10,885	63,33,72,600
viii)	Royalty	35,09,803	44,87,232
ix)	Donations	2,00,000	3,00,000
x)	Unspent Grant received Back	1,56,38,978	38,34,331
xi)	Interest on Saving Accounts (including EPF A/c)	1,79,99,301	86,65,931
xii)	Income recd from VCF Fund	36,60,29,271	-
xiii)	Miscellaneous Receipts	32,399	3,563
xiv)	Asset Realisation	12,399	
xv)	Security Deposit / Earnest Money received/Others	-	1,64,231
xvi)	Multi Sector Seed Fund	9,61,39,030	76,55,900
xvii)	UTI _ Ascent India Fund	-	1,46,31,293
xviii)	RVCF	1,17,74,229	34,34,150
xix)	GVFL	-	-
xxi)	Equity Realisation	7,02,64,200	6,56,68,800

xxii)	SIDBI Venture Fund	2,25,23,262	1,44,18,678
xxiii)	Indian fund for Sustainable Energy (CIIE)	77,66,033	-
xxiv)	IvyCap Venture Trust Fund-1	1,57,41,937	10,34,438
xxv)	APIDC Venture Fund	39,60,314	2,50,00,000
xxvi)	SEAF India Fund	11,21,514	1,86,63,888
xxvii)	Security Deposit & Advance to staff recovered	93,085	-
xxviii)	DFID Invent Receipt for Project	3,76,96,231	-
xxvix)	DFID Invent Savings Interest	19,76,923	31,38,224
	TOTAL	3,83,28,03,186	3,35,68,66,065

-Sd-
(Rajesh Jain)

Director
Technology Development
Board

-Sd-
(Dr. Neeraj Sharma)

Secretary
Technology Development
Board

-Sd-
(Prof. Ashutosh Sharma)

Chairperson
Technology Development
Board

Technology Development Board

Receipts and Payments Accounts for the Year ending 31st March, 2021

(Amount in Rupees)

PAYMENTS		Current Year	Previous Year
Establishment Expenses			
i)	Salaries	3,56,72,789	3,16,67,445
ii)	Travel Expenses (Domestic)	13,58,457	17,73,934
iii)	Travel Expenses (International)	-	-
iv)	Staff welfare Expenses & OTA	1,11,023	77,000
v)	Medical Expenses	5,06,052	2,23,558
vi)	Pension Contribution for Deputationist	-	-
Office Expenses			
i)	Telephone / Telex	19,23,299	20,66,491
ii)	Postage Stamps	37,310	55,443
iii)	Petrol, Oil, Lubricants	19,487	41,422
iv)	Repairs & Maintenance	25,24,758	12,80,715
v)	Consumable Stores & Printing	6,59,099	12,09,624
vi)	Newspapers & Magazines	-	36,123
vii)	Entertainment & Hospitality	86,601	1,90,132
viii)	Meeting Expenses	2,31,719	15,33,468
ix)	Advertisement & Publicity	44,20,269	63,26,171
x)	Technology Day Expenditure	18,94,259	6,96,212
xi)	Miscellaneous Expenses	7,69,525	6,59,475
xii)	Library Books & Journals	-	885
xiii)	Legal Charges	34,95,859	44,78,038
xiv)	Asset Management Charges	29,74,302	71,96,785
xv)	TA / DA to Experts	2,85,667	26,04,299
xvi)	Honorarium to experts and members	46,28,073	55,00,880
xvii)	Membership Fees	47,200	23,600
xix)	Audit Fees	-	77,850
xx)	Rent	68,28,548	85,36,700
xxi)	Remittance of recoveries to other depts.	-	-
xxii)	Security Deposit & Advance to staff		46,505
xxiii)	Advances Others	40,453	
xxiv)	Duties & Taxes	1,12,088	4,60,031
xxv)	Water & Electricity	3,71,929	-

Board Expenses			
i)	TA / DA to Members	9,308	24,457
ii)	Fee and Board Meeting Expenses	-	1,43,645
Capital Expenditure			
i)	Assets purchase	32,63,343	9,12,353
Disbursements			
i)	Loans	47,56,85,000	1,28,37,12,000
ii)	Grants	12,05,791	10,84,242
iii)	Interest on Grant paid	-	2,09,24,330
iv)	Loan released under COVID-19 Grant	2,12,00,000	-
v)	Grant for Covid	1,39,38,000	
vi)	SEAF India Agribusiness Fund	-	5,77,473
vii)	Indian fund for Sustainable Energy (CIIE)	10,89,645	20,15,756
viii)	DFID INVENT Project Expenditure	-	10,00,00,000
ix)	DFID INVENT Bank Charges	71	91
x)	Other Expenses payable	18,35,268	-
Closing Balance			
i)	Investment in Short Term Deposits	1,66,99,00,000	56,99,00,000
ii)	Cash in Hand	22,149	34,976
	Cash at Bank		
a)	Bank Balance (including EPF A/C)	1,49,62,29,986	1,26,10,21,180
b)	Bank Balance- DFID INVENT	7,94,25,859	3,97,52,776
	TOTAL	3,83,28,03,186	3,35,68,66,065

-Sd-
(Rajesh Jain)
 Director
 Technology Development
 Board

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(Dr. Neeraj Sharma)
 Secretary
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 Board

-Sd-
(Prof. Ashutosh Sharma)
 Chairperson
 Technology Development
 Board

Technology Development Board

Schedules Forming Part of Balance Sheet as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 1- CORPUS/CAPITAL FUND		
	CURRENT YEAR	PREVIOUS YEAR
Balance as at the beginning of the year	14,68,52,37,882	13,46,95,57,302
Add: Contributions towards Corpus/Capital Fund	-	-
Add : Balance of net income transferred from the Income and Expenditure Account [refer to Note No 25 (11)]	1,00,07,06,785	1,21,56,80,580
BALANCE AS AT THE YEAR- END	15,68,59,44,667	14,68,52,37,882

SCHEDULE 2- RESERVES AND SURPLUS				
	CURRENT YEAR		PREVIOUS YEAR	
1. Capital Reserve:				
As per last Account				
Addition during the year				
Less: Deductions during the year	-	-	-	-
2. Revaluation Reserve:				
As per last Account				
Addition during the year				
Less: Deduction during the year	-	-	-	-
3. Special Reserves:				
As per last Account				
Addition during the year				
Less: Deduction during the year	-	-	-	-
4. General Reserve:				
As per last Account				
Addition during the year				
Less: Deduction during the year				
TOTAL	-	-	-	-

Technology Development Board

Schedules Forming Part of Balance Sheet as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 3- EARMARKED/ENDOWMENT FUNDS				
LIABILITIES	CURRENT YEAR		PREVIOUS YEAR	
A. VCF of IDBI				
1) Contribution received by IDBI from Government of India		28,84,00,000		28,84,00,000
Income from Investment				
a. Interest	13,31,47,041		13,08,52,144	
b. Royalty	5,51,97,900		5,51,97,900	
c. Dividend	86,23,794		86,23,794	
d. Accrued income Less waivers	2,38,80,81,913		2,39,03,76,810	
	2,58,50,50,648		2,58,50,50,648	
Less : Amount transferred to TDB	21,25,00,000		21,25,00,000	
	2,66,09,50,648		2,37,25,50,648	
Less: Excess Royalty recd. Earlier adjusted towards principal	1,12,50,000		1,12,50,000	
	2,64,97,00,648		2,36,13,00,648	
Less : Loans written off	4,36,36,450		4,36,36,450	
Less : Loss on sale of Investment	26,76,250		26,76,250	
	2,60,33,87,948		2,31,49,87,948	
Less : Provision on loan	8,32,79,357		8,10,04,357	
Less : Provision on interest & FILD	2,38,80,81,913		2,39,03,76,810	
Less: Audit Fees & other Expenses	18,32,324		17,52,075	
Less : Management fees to IDBI	15,71,80,000		14,32,60,000	
Less: Diminution in value of investment	26,26,000	(2,96,11,646)	26,26,000	(30,40,31,294)
*Amount receivable from TDB (31.03.2019)		(2,96,11,646) 362,10,646		-156,31,294 222,30,294
		65,99,000		65,99,000
B. Innovative Ventures for Technology Development (INVENT) – DFID		7,94,25,859		3,97,52,775
TOTAL		8,60,24,859		4,63,51,775

***Note:**

- 1) Due to non performance of the fund, the amount of management expenses claimed by IDBI has been disputed by TDB
- 2) Amount of Rs. 3,62,10,646/- has been claimed by IDBI as payable by TDB as per their last audited balance sheet for the year ended 31.03.2019. The said amount has arisen due to high management fees charged by IDBI which is disputed by TDB. TDB does not acknowledge the payment of said amount pending resolution of said amount.

Technology Development Board

Schedules Forming Part of Balance Sheets as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 4 - SECURED LOANS AND BORROWINGS:				
	CURRENT YEAR		PREVIOUS YEAR	
1. Central Government	-	-	-	-
2. State Government(Specify)	-	-	-	-
3. Financial Institutions				
a) Term Loans				
b) Interest accrued and due	-	-	-	-
4. Banks:				
a) Term Loans				
- Interest accrued and due				
b) Other Loans(Specify)				
- Interest accrued and due	-	-	-	-
5. Other Institutions and Agencies	-	-	-	-
6. Debentures and Bonds	-	-	-	-
TOTAL	-	-	-	-

Note : Amounts due within one Year

Technology Development Board

Schedules Forming Part of Balance Sheets as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 5- UNSECURED LOANS AND BORROWINGS				
	CURRENT YEAR		PREVIOUS YEAR	
1. Central Government	-	-	-	-
2. State Government (Specify)				
3. Financial Institutions	-	-	-	-
4. Banks:				
a) Terms Loans	-	-	-	-
b) Other Loans (Specify)	-	-	-	-
5. Other Institutions and Agencies	-	-	-	-
6. Debentures and Bonds	-	-	-	-
7. Fixed Deposits	-	-	-	-
8. Others (Specify)	-	-	-	-
TOTAL	-	-	-	-

Note: Amounts due within one Year

Technology Development Board

Schedules Forming Part of Balance Sheet as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 6 - DEFERRED CREDIT LIABILITIES				
	CURRENT YEAR		PREVIOUS YEAR	
a. Acceptances secured by hypothecation of capital equipment and other assets	-	-	-	-
b. Others				
TOTAL				

Note : Amounts due within one year

Technology Development Board

Schedules Forming Part of Balance Sheet as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 7 - CURRENT LIABILITIES AND PROVISIONS				
	CURRENT YEAR		PREVIOUS YEAR	
A. CURRENT LIABILITIES				
1. Unutilised balance of Grant in Aid "Fighting COVID-19"	73,60,62,000			75,00,00,000
Less: Utilised towards Loan under COVID-19 Fund	2,12,00,000	71,48,62,000		
2. Sundry Creditors				
a) For Goods	-			
b) Others	-	-		
3. Security Received			-	-
4. Interest accrued but not due on :				
a) Secured Loans / borrowings				
b) Unsecured Loans / borrowings	-	-		-
5. Statutory Liabilities				
a) TDS	2,80,049		3,60,502	
b) GST	28,029		48,961	
c) GPF payable				
d) EPF payable	3,23,094	6,31,172	3,33,797	7,43,260
6. Other current Liabilities				
a) Pension contribution for deputationist				
b) Audit fee payable	4,69,839			3,89,839
c) Pending Adjustment	-			-
d) others	-	4,69,839		-
TOTAL (A)		71,59,63,011		75,11,33,099
B. PROVISIONS				
1. Gratuity	21,39,484			17,08,387
2. Salary Payable	16,91,054			18,05,917
3. Legal charges payable	-			
4. National Award Payable	1,70,00,000			1,70,00,000
5. Other Expenses Payable	17,220	2,08,47,758		18,52,488
TOTAL (B)		2,08,47,758		2,23,66,792
TOTAL (A+B)		73,68,10,769		77,34,99,891

Technology Development Board

Schedules Forming Part of Balance Sheet as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 8 - FIXED ASSETS	DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK				
		Cost/valuation as at Beginning of the year	Additions during the year	Deductions during the year	Cost / Valuation at the year-end	As at the Beginning of the year	Additions during the year	Deductions during the year	Total up to the year - end	Sale/ adjustments	As at 31.3.2021	As at 31.3.2020
A. Fixed assets:												
1. Land:												
A) freehold												
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 & equipment												
4. Vehicles												
5. Furniture, fixtures												
6. Office equipment												
7. Computer/ peripherals												
8. Electric installations												
9. Library books												
10. Software (pms)												
11. E office- software												
11. Other fixed assets												
Total of current year		148,67,696	32,63,343	78,280	180,52,759	81,90,063	14,32,703	65,880	95,56,886	12,399	84,95,873	66,77,633
B. Capital work-in-progress* (Software)												
TOTAL		148,67,696	32,63,343	78,280	180,52,759	81,90,063	14,32,703	65,880	95,56,886	12,399	84,95,873	66,77,633
(Note to be given as to cost of assets on hire purchase basis included above)												
Previous year		139,55,343	9,12,353	-	148,67,696	70,86,608	11,03,455	-	81,90,063	-	66,77,633	68,68,735

Note:

- During the financial year 2019-20, depreciation on (PMS) was less charged by ₹2,36,201/-. This amount has been claimed in the current year as additional depreciation.
- Depreciations on e-office software capitalised during the year has been charged on straight line basis to amortize the full value over its the 5 year life.

Technology Development Board

Schedules Forming Part of Balance Sheet as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 9 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS			
	CURRENT YEAR		PREVIOUS YEAR
1. In Government Securities	-		-
2. Other approved Securities	-		-
3. Shares	-		-
4. Debentures and Bonds	-		-
5. Subsidiaries and Joint Ven- tures	-		-
6. VCF of IDBI (Assets)	-		-
Investment			
(i) Loan	8,10,04,357		8,10,04,357
Less: Provisions	8,10,04,357	-	8,10,04,357
(ii) Equity	92,25,000		92,25,000
Less: Diminution in value of Investment	26,26,000	65,99,000	26,26,000
Receivables			
(i) Interest	29,97,69,021		29,97,69,021
(ii) FILD	2,09,06,07,789		2,09,06,07,789
	2,39,03,76,810		2,39,03,76,810
Less: Provisions	2,39,03,76,810	-	2,39,03,76,810
TOTAL		65,99,000	65,99,000

Technology Development Board

Schedules Forming Part of Balance Sheet as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 10 – INVESTMENTS-OTHERS			
	CURRENT YEAR		PREVIOUS YEAR
1. In Government Securities			
2. Other approved Securities			
3. Shares-Equity/ Preference participation	20,81,62,967		20,81,62,967
Less: Realisation against shares	7,02,64,200	13,78,98,767	
4. Debentures and Bonds			
5. Subsidiaries and Joint Ventures			
6. Venture Funds			
a) UTI Ascent India Fund	-		
b) APIDC Venture Funds	20,97,86,000		
Less: Redemption	39,60,314	20,58,25,686	20,97,86,000
c) Ventureast TeNet Fund	4,41,43,882		
Less: Redemption	-	4,41,43,882	4,41,43,882
d) GVFL	1,50,000	-	
Less: Redemption	-	1,50,000	1,50,000
e) RVCF	11,44,40,574		
Less: Redemption	2,02,02,156	9,42,38,418	11,44,40,574
f) SIDBI VCF	17,43,08,185		
Add: Disbursement	-		
Less: Redemption	2,25,23,262	15,17,84,923	17,43,08,185
g) IvyCap Venture Trust Fund-1	21,58,57,800		
Add: Disbursement	-		
Add: prior period adjustment	10,10,541		
Less: Redemption	1,57,41,937	20,11,26,404	21,58,57,800
h) Multi Sector Seed Capital Fund	9,63,44,100		
Less: Redemption	9,61,39,030	2,05,070	9,63,44,100
i) SEAF India Agribusiness Fund	21,00,49,055		
Add: Disbursement	-		
Less: Redemption	11,21,514	20,89,27,541	21,00,49,055
j) Indian fund for Sustainable Energy (CIIE)	5,66,59,803		
Add: Disbursement	10,89,645		
Less: Redemption	77,66,033	4,99,83,415	5,66,59,803
7. GITA	7,20,50,000		
Add: Disbursement	-	7,20,50,000	7,20,50,000
TOTAL		1,16,63,34,106	1,40,19,52,366

Technology Development Board

Schedules Forming Part of Balance Sheet as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 11 - CURRENT ASSETS, LOANS, ADVANCES ETC.			
	CURRENT YEAR		PREVIOUS YEAR
A. CURRENT ASSETS:			
1. Inventories:			
a) Stores and Spares			
b) Loose Tools			
c) Stock-in- trade			
i) Finished Goods			
ii) Work-in-progress			
iii) Raw Material	-	-	-
2. Sundry Debtors	-	-	-
a) Debts Outstanding for a period exceeding six months			
b) Others		-	-
3. Cash balance in hand (including cheques/drafts and imprest)		22,149	34,976
4. Bank Balances:			
a) With Scheduled Banks:			
- On Current Accounts			
- On Savings Accounts -TDB (including EPF A/c)	1,49,62,29,986		1,26,10,21,180
- On Savings Accounts- INVENT -DFID	7,94,25,85,859	1,57,56,55,845	3,97,52,776
b) Short term Deposits with Scheduled Banks:			
- On Deposit Accounts	1,66,99,00,000	1,66,99,00,000	56,99,00,000
- On Deposit Accounts INVENT-DFID			
TOTAL (A)		3,24,55,77,994	1,87,07,08,932

Technology Development Board

Schedules Forming Part of Balance Sheet as on 31st March, 2021

(Amount in Rupees)

SCHEDULE 11- CURRENT ASSETS, LOANS, ADVANCES ETC. (Contd.)			
	CURRENT YEAR		PREVIOUS YEAR
B. LOANS, ADVANCES AND OTHER ASSETS:			
1. Loans:			
a) Staff			
b) Other Entities engaged in activities/objectives similar to that of the entity	-		-
c) Loan : Assistance to industrial concerns opening	79043,22,401		73099,65,366
Add: During the year	47,56,85,000		1,28,37,12,000
Less: Repayment/Adjustment of loan	96,47,10,885		67,63,10,641
Less: Written Off due to settlement of accounts	-		1,11,54,978
Less: Transfer to Accrued Interest.	-		18,89,347
Add: Prior period Adjustments.	26,78,872		
	7,41,26,17,644		7,90,43,22,401
Less: Provision for doubtful loan	-		-
Closing loan balance after provision		7,41,26,17,644	7,90,43,22,401
2. Advances and other amounts recoverable in cash or in kind or of value to be received			
a) Advance to staff members	7,78,195		8,71,280
b) Income tax recoverable	14,91,903		11,38,824
c) Others - Security Deposit	9,90,280		9,90,280
d) Advance with vendors	-		-
e) Others	64,509	33,24,887	24,056
3. Income Accrued:			
a) On Investments from Ear-marked/Endow.Funds			
b) On saving account	63,00,311		-
c) On Investments - Short Term Deposits	94,98,531	1,57,98,842	36,83,794
Short Term Deposits- INVENT -DFID	-		-
d) On Loans and Advances	4,88,56,24,552		4,56,25,70,377
Less: Unrecoverable interest written off during the year	-		2,28,56,713
Less: Transfer to loan	-		
Less: Prior Period Adjustments during the year	27,56,310		6,45,734
Add: Transfer from loan	-		18,89,347
	4,88,28,68,242		4,54,09,57,277
Less: Loan Interest Provision :	23,28,36,293		23,28,36,294
		4,65,00,31,949	4,30,81,20,983
TOTAL (B)		12,08,17,73,322	12,21,91,51,617
TOTAL (A+B)		15,32,73,51,316	14,08,98,60,549

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 12 - INCOME FROM SALES/SERVICES			
	CURRENT YEAR		PREVIOUS YEAR
1. Income from Sales			
a) Sales of Finished Goods			
b) Sale of Raw Material			
c) Sale of Scraps	-	-	-
2. Income from Services			
a) Labour and Processing Charges			
b) Professional/Consultancy Services			
c) Agency Commission and Brokerage			
d) Maintenance Services(Equipment/Property)			
e) Others (Specify)			-
TOTAL	-	-	-

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 13 - GRANTS/SUBSIDIES (Irrevocable Grants & Subsidies Received)			
	CURRENT YEAR		PREVIOUS YEAR
1) Central Government		10,00,00,000	98,00,00,000
2) State Government(s)			
3) Institutions/Welfare Bodies		-	-
4) International Organisation			
5) Others- Unspent grants received back		1,56,38,978	38,34,331
TOTAL		11,56,38,978	98,38,34,331

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 14 - FEES/SUBSCRIPTIONS			
	CURRENT YEAR		PREVIOUS YEAR
1) Entrance Fees	-	-	-
2) Annual Fees/Subscriptions			
3) Seminar/Program Fees	-	-	-
4) Consultancy Fees	-	-	-
TOTAL	-	-	-
Note -Accounting Policies towards each item are to be disclosed			

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 15- INCOME FROM INVESTMENTS			
(Income on Invest. From Earmarked/Endowment Funds transferred to Funds)			
	Investment from earmarked fund		Investment - Others
	CURRENT YEAR	PREVIOUS YEAR	CURRENT YEAR
1) Interest			
a) On Govt. Securities			
b) Other Bonds/Debentures			
2) Dividends			
a) On Shares			
b) On Mutual Fund Securities			
3) Rents	-	-	-
4) Other (Specify)	-	-	-
TOTAL			
Transferred to earmarked/endowment funds			

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.			
	CURRENT YEAR		PREVIOUS YEAR
1) Income from Royalty		35,09,803	44,87,232
2) Royalty Accrued			
Less: Royalty written off			-
3) Others (Specify)			
TOTAL		35,09,803	44,87,232

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 17-INTEREST EARNED		
	CURRENT YEAR	PREVIOUS YEAR
1) On Term Deposits:		
a) With Scheduled Banks	4,81,24,260	2,91,22,606
b) With Non- Scheduled Banks		-
c) With Institutions		-
2) On Savings Accounts:		
a) With Scheduled Banks (including EPF A/c)	2,42,99,612	86,65,931
b) With Non- Scheduled Banks		-
c) Post Office Savings Accounts		-
d) Others		
3) On Loans:		
a) Employees/Staff		
b) Loans assistance to industrial concerns	52,59,17,713	59,79,70,781
4) Interest on royalty	2,16,794	2,95,247
5) Interest on grants	14,78,533	-
TOTAL	60,00,36,912	63,60,54,565
Note- Tax Deducted at source to be indicated		

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 18-OTHER INCOME		
	CURRENT YEAR	PREVIOUS YEAR
1) Profit on Sale/disposal of Assets:		
a) Owned assets - UTI		
b) Assets acquired out of grants, or received free of cost		
2) Profits on redemption of units	35,76,01,344	-
3) Dividend	-	-
4) Miscellaneous Income	4,649	3,563
5) Sitting Fees	30,000	-
6) Donations	2,00,000	3,00,000
7) Income from Venture Fund	-	-
TOTAL	35,78,35,993	3,03,563

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 19- INCREASE/(DECREASE) STOCK OF FINISHED GOODS & WORK IN PROGRESS			
	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]	-	-	-

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 20-ESTABLISHMENT EXPENSES		
	CURRENT YEAR	PREVIOUS YEAR
a) Salaries and Wages	3,41,15,706	3,09,94,096
b) Allowances	29,023	4,32,759
c) Employer Contribution to Provident Fund	14,42,220	14,49,312
d) Uniform	-	-
e) Staff Welfare Expenses	82,000	77,000
f) Expenses on Employees' Retir. And terminal Benefits	-	-
g) Reimbursement of Medical Charges	5,06,052	2,23,558
h) Gratuity	4,31,097	3,55,914
TOTAL	3,66,06,098	3,35,32,639

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 21-OTHER ADMINISTRATIVE EXPENSES ETC.		
	CURRENT YEAR	PREVIOUS YEAR
a) National Award	-	1,70,00,000
b) Legal charges	34,95,859	45,81,332
c) Assets Management Fees	29,74,302	71,96,785
d) Membership fees	47,200	23,600
e) TDS and Interest	-	-
f) Loss on sale of assets	-	-
g) Repairs and maintenance	25,24,758	12,80,715
h) Postage & stamps	37,310	55,443
i) Technology Day Expenditure	18,94,259	6,96,212
j) Vehicles Running and Maintenance	19,487	41,422
k) Telephone and Communication Charges	19,23,299	21,25,374
l) Printing , Stationary & Consumables	6,59,099	12,34,404
m) Travel Expenses Domestic a) Domestic 13,58,457		-
Travel Expenses Foreign b) Abroad -		-
Travel Expenses Experts c) Experts 2,85,667	16,44,124	48,93,086
n) Library books & periodical	-	885
o) TA/DA to Board members	-	24,457
p) Auditors Remuneration	80,000	80,000
q) Hospitality Expenses	86,601	1,90,132
r) Meeting Expenses	2,31,719	15,85,545
s) Professional Charges	46,28,073	55,12,480
t) a) Unrecoverable Interest written off during the Year	-	2,28,56,713
b) Loans Written off due to settlement of accounts	-	1,11,54,978
c) Loan Provision	-	(89,05,867)
d) Interest Provision for the Year	-	(1,10,58,058)
u) Bank Charges	-	-
v) Mise. Expenses	7,69,525	6,74,975
w) Newspaper & Magazine		36,123
x) Advertisement and Publicity	44,20,269	63,26,171
y) Board Expenses & fees	9,308	1,43,645
z) Rent	68,28,548	90,69,257
zi) Water and Electricity Charges	3,71,929	-
zii) Loss on closure of Venture fund (Refer to schedule 25 note no.5)		27,52,88,902
TOTAL	3,26,45,669	35,21,08,711

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 22 - EXPENDITURE ON GRANTS		
	CURRENT YEAR	PREVIOUS YEAR
1) Grants given to Institutions/ Organisations		
(i) Incubators	12,05,791	10,84,242
(ii) For Covid	-	-
2) Subsidies given to Institutions / Organisations		
TOTAL	12,05,791	10,84,242
Note: Name of the Entities, their Activities along with the amount of Grants/ Subsidies are to be disclosed		

Technology Development Board

Schedules Forming Part of Income and Expenditure For the Year Ended 31st March, 2021

(Amount in Rupees)

SCHEDULE 23-INTEREST		
	CURRENT YEAR	PREVIOUS YEAR
a) On Fixed Loans		
b) On Other Loans (including bank Charges)		
c) Others-Grant received from DST	-	2,09,24,330
TOTAL		2,09,24,330

Technology Development Board

Significant Accounting Policies and Notes on Accounts-2020-21

A. Significant Accounting Policies

1. Receipts and Payments Accounts is prepared from the cash receipt journal and is a summary of cash transactions under various heads. It records receipts and payments of both capital and revenue nature.
2. Income and Expenditure Account is the summary of incomes and expenditures of the year. It is prepared on accrual basis. It records income and expenditure of revenue nature only. The accrued interest earned on the loan amount disbursed is accounted for in the year in which the loan installment is released; however, the interest is actually receivable after the projects have been completed in accordance with the terms and conditions of the respective loan agreements. Provision for expenses due and approved are accounted for during the year.
3. Depreciation on fixed assets is provided on the basis and rates prescribed under the Income Tax Act, 1961, on diminishing balance method. No depreciation is provided on the fixed Assets sold/transferred/discarded during the financial year. Addition in fixed assets are accounted at the cost of acquisition.
4. Royalty payments are taken on receipt basis in Receipts and Payments Account and Income & Expenditure Account.
5. Government grants are recognized on receipt basis. Unspent balances are not to be refunded to the Government of India as the grants released by the Government are credited to the Fund for Technology Development and Application in terms of section 9(1)(a) of the Technology Development Board Act, 1995 and thus there is no such requirement of refund. No amount is, therefore, due for refund to the Government of India.
6. In terms of section 9(1) of the Technology Development Board Act, 1995, recoveries made of the amounts granted from the Fund for Technology Development and Application, receipt of interest on loans, royalty, donations and sums received from any other source are credited to the Fund. Keeping this provision in view, the Balance Sheet has been prepared.
7. The balance sheet of Earmarked/ Endowment funds (Venture Capital Funds) maintained by IDBI has indicated the following:-
 - a) The balance sheet is prepared on accrual basis except for income/expenditure in respect royalty, management fee and penal interest thereon, which are recognized on actual receipt/ payment.
 - b) The valuation of assets/ loans/ investments have been carried at the assessment value by IDBI (Fund manager) and the provision for reducing the book value of the assets is recorded as per the notes provided in the financial statements.

- c) The financial statements of IDBI (VCF) are to be read with other notes and explanations attached with the Balance Sheet provided by IDBI. The financial statements and notes to accounts are taken on record as independently certified by IDBI and the audit report thereon.
8. Fund balances are kept in short term deposits in nationalized banks. Interest on short term deposits is reflected in the Receipts and Payments Account and Balance Sheet.
 9. The investments in companies are stated at cost price. As per the mandate of TDB, the investments are not held for capital appreciation in the strict sense or for any other benefit to TDB, the shares are held at cost of acquisition till they are finally realized. However any permanent decline in the fair value of the investments so held due to the winding up or dissolution of the respective company or any other reason, the value of decline is charged to the income & expenditure account.
 10. In the case of default, rescheduling agreement(s) whatsoever done are set aside in accordance with the terms and conditions of the Loan Agreement and balances in account are restored the original agreement. This may result in increase of outstanding amount of the borrower due to reverting back to the original agreement.
 11. In the case where borrower is unable to pay the loan / interest amount as per the terms of loan agreement and when the dispute arising out of noncompliance of the loan agreement and consequently matter is referred to arbitration. In such instance the outstanding amounts of loan and interest is frozen on the date of reference to arbitration. Further provisioning or adjustment in the outstanding interest is made only after the award is passed in accordance with the award conditions.
 12. In the case where the borrower has defaulted in repayment of its loan and interest as per loan agreement and has since gone into liquidation, booking of interest has been restricted to the date of liquidation. Final provision for write off is made for principal and interest after receipt of final payment form the Official Liquidator since the right to claim interest up to the date of recovery is maintained by TDB.
 13. Company's whose status has been identified as having been struck off from the list of registered companies or undergoing liquidation as per the records of Registrar of Companies (ROC), where the loan amount and interest remains overdue/unpaid, has been referred to the legal section. However due to high probability of default and non-confirmation of balance, no interest for the current year has been accounted. Final provision for doubtful recovery or write off is subject to recommendation and confirmation of legal closure of the matter by the Legal department in case of each company.
 14. In case of default by a borrower and the subsequent passing of an Arbitration Award, the restatement of loan and interest and also the charging of interest is done as per the award. This may result in decrease/ increase of outstanding amount of interest due from the borrower.
 15. In the case of start of Arbitration proceedings, the charge of Interest is discontinued from the date of the start of the proceedings till the award is passed. After the award, other conditions remaining constant, the loan and interest thereon is accounted as per the award.

16. In case funds have not been released for the full agreed amount and the time bound repayment schedule is active, interest is calculated on the basis of the amount released at the rate applicable as per agreement.
17. Investments with Venture Funds other Seed funds are carried at cost. Since the Funds are continuously evolving in terms its activities and is an ongoing concern, no permanent change in the value of the investment is envisaged or provided. Income / Loss is recognized in the Venture Fund Investments either on closure of the funds or disbursement of income during the tenure of the fund.
18. Unless otherwise agreed to by TDB, the payment received from a borrower shall be accounted towards such dues in the following order, viz., Interest including additional interest; further interest and liquidated damages on defaulted amount; repayment instalments of principal due and payable or in the manner as decided and approved by the Board.
19. Stock verification by the management is done on annual basis.
20. Figures are rounded off to the nearest rupee.

Technology Development Board

Significant Accounting Policies and Notes on Accounts-2020-21

Notes on Accounts

- TDB received Rs. 1000 lakhs (P.Y. Rs. 9800 lakhs) as grant during the financial year 2020-21.
- Technology Development Board has an overdue loan repayment (amount due but not received) amounting to Rs. 21937.28 lakhs (P.Y. Rs. 21765.44 lakhs) as on 31st March, 2021. In addition, simple interest of Rs. 10994.42 lakhs (P.Y. Rs. 10810.20 lakhs), additional interest on loan amounting to Rs. 23265.42 lakhs (P.Y. Rs. 21751.21 lakhs) and Rs. 8347.34 lakhs (P.Y. Rs. 7533.55 lakhs) as additional interest on simple interest, were also due.
- With the change in the Government policy on Non-Performing Assets (NPA) and Insolvency & Bankruptcy Policy 2016, TDB is hopeful to recover substantial percentage of overdue accounts. Provision for doubtful debts is made on basis of representations for settlement with borrowers, recommendation of Dispute Resolution Committee (DRC) or other information as is made available by the legal department in such cases, and permanent impairment is recognized on final settlement of the claim amount.
- Investment and valuation in Venture capital funds (VCF):

Sl. No	Particulars	Par Value of Unit	Amount Invested/Redeemed						NAV per Unit			
			Outstanding Amount as on 31.03.2020		Addition during the year		Redemption/Loss during the year		Closing Amount as on 31.03.2021		NAV as on 31.03.20	NAV as on 31.03.21
			Amount (Rs.)	Number of Units	Amount (Rs.)	Number of Units	Amount (Rs.)	Number of Units	Amount (Rs.)	Number of Units		
1	APIDC Venture capital fund pvt ltd	1,00,000	20,97,86,000	2,098	-	-	39,60,314	40	20,58,25,686	2,058,26	3,239	186,133
2	GVFL Limited, Ahmedabad	1,00,000	1,50,000	1,50	-	-	-	-	1,50,000	1,50	1,62,77,994	1,35,42,465
3	Ivy Cap venture Trust Fund (*)	1,00,000	21,68,68,341	2,169	-	-	1,57,41,937	157	20,11,26,404	2,011	79,099	1,64,702
4	Blume venture capital fund/multi sector seed capital fund	10,000	9,63,44,100	9,634	-	-	9,61,39,030	9,614	2,05,070	21	28,383	34,235
5	SME Tech Fund- RVCF Trust II	100	11,44,40,574	11,44,406	-	-	2,02,02,156	2,02,022	9,42,38,418	9,42,384	106	120
6	SEAF India Agri business Fund	5,00,000	21,00,49,055	420	-	-	11,21,514	2	20,89,27,541	417,86	48,754	25,356
7	SIDBI Venture capital Ltd - India Opportunitie Fund	1,000	17,43,08,185	1,74,308	-	-	2,25,23,262	2,25,23	15,17,84,923	1,51,785	677	623
8	Venture East TeNet Fund II	758	4,41,43,882	1,50,000	-	-	-	-	4,41,43,882	1,50,000	1,090	830
9	CIE- Indian Fund for Sustainable Energy (i3ETrust)	100	5,66,59,803	5,66,598	10,89,645	10,896	77,66,033	77,660	4,99,83,415	4,99,834	125	125
			1,12,27,49,940	20,49,635	10,89,645	10,896	16,74,54,246	3,12,018	95,63,85,339			

(*) Opening Value of Investment in IvyCap VF is restated to adjust for income booked as reimbursemt of Investment instead of income amounting to Rs. 10,10,541/- in FY 2019-20

	NAV Value (in Rs)	Cost of Investment	Unrealised (Loss)/ profit
Current Year	75,80,73,932	95,63,85,339	- 19,83,11,407
Previous Year	96,95,53,550	1,12,27,49,940	- 15,31,96,390

Note:

- The redemption from the Venture Fund recognized on the basis of the distribution by the fund in accordance with Para 17 of Schedule 24 referred above

a) Income (Loss) on redemption of Units of Venture Funds Investment during the year earned during the year:

(Amount in Rupees)

S. No	Name of the Scheme	Profit/ (Loss) in lakhs
1.	M/s Iyycap Venture Trust Fund	3181.68
2.	M/s Blume Venture Capital fund	478.61
3.	M/s SME Tech Fund - RVCF Trust II	(84.28)
Net Profit/(Loss)		3576.01

5. TDB has signed agreement with M/s Global Innovation Technology Alliance (GITA), in joint venture with CII, in equity contribution of 51:49 respectively with a mandate to cover all key elements of innovation ecosystem that benefit industry and technology start-ups, with DST and other organizations. The equity participation of TDB in GITA is Rs. 7.21 crore up to 31st March 2021.

6. The following grant-in-aid distributed during the financial year.

Sl. No.	Company's Name	Purpose	Amount (Rs. in lakhs)
1	Indo French Centre for Promotion of Advanced Research (CEFIPRA)	Pro-gramme Management	12.06
Total			12.06

7. **Earmarked/ Endowment Fund: (Schedule 3)**

a) The transfer of money receipts and liabilities outstanding in the books of the Industrial Development Bank of India (IDBI) on account of Venture Capital Fund (VCF)

transactions pertaining to grants released by Government of India are required to be transferred to the Board as on 1st September 1996. IDBI has not provided with audited statement of accounts for the current year ended 31.3.2021. No further investment or recovery against existing investments in the portfolio held by them since last several years has been reported by IDBI. Audited financial statements for the year ended 31.03.2020, (which was the responsibility of IDBI) have not been received, therefore financial values as on 31.03.2019 have been incorporated.

b) No change in the borrower outstanding/ recovery i.e.: the amount recoverable from the borrower which would include the amount of accrued interest/ additional interest in memorandum books has been reported. Further write off of bad loans including accrued interest outstanding shall be done where the recovery process has reached a closure and no further repayments are expected from the loan accounts and the same have been approved for write off by the Board.

c) The management fees charged by IDBI for management of the Asset portfolio has not been agreed to be payable by TDB and it has been taken up with IDBI for settlement. The amount of Rs. 3,62,10,646/- claimed to be payable to IDBI by TDB is contingent to the final settlement.

8. In accordance with the Agreement between Government of India through Department of Economic Affairs (DEA) and Department For International Development (DFID), Government of united Kingdom of Great Britain together with TDB bide Memorandum of Understanding dated 29.8.2013, it was agreed that the incubation component of "Innovative Ventures and Technologies for Development (INVENT)

- programme will be Implemented and monitored with TDB, Department of Science & Technology, and government of India. The responsibility of TDB is to ensure that funds will be spent on approved activities required to deliver the overall outputs and outcomes of the project. TDB is obliged to hold this fund in a separate bank account and the interest accrued on the bank deposit are to be credited to the fund as part of additional funds available for the program and as fund manager to be released as per project guideline from time and submit progress report and audited accounts to DFID.
9. In accordance with the Project guidelines as per order no. DST/SEED/TDB/COVID19/SCSP (G), Rs. 7500.00 lakhs were released by the Department of Science & Technology, Science for Equity Empowerment and Development (SEED) Division, for providing assistance as grants and loans for fighting COVID 19. The funds were provided to TDB with the express intent to address the havoc caused to the country by the COVID 19 virus. The amount received is accounted under targeted project funds and utilization/realization and refunds if any are accounted against the said fund on behalf of the government. The transactions do not form part of TDB grants.
 10. TDB has granted moratorium relief due to COVID pandemics to the companies whose repayments falls between April 2020 to October 2020. TDB has charged only 5% simple interest on the principal due during that period. This is in accordance with the Covid policy dated 11th April, 2020 & 24th June, 2020.
 11. TDB had preferred an application before NCLT before the recovery of its Loan and its investments in equity in NICCO Corporation (P) Ltd. The NCLT has ordered the investment in equity to be considered as part of loan given by TDB. All realizations arising out of the liquidation proceedings of the company have first been adjusted against the outstanding loan amount and the balance against the cost of investment held under equity.
 12. Provision for doubtful interest and additional interest due on loans and also principal amount has been made against the following companies, which have agreed to settled their outstanding/ dues as per a proposed recommendation of Dispute Resolution Committee (DRC) and approved by the Sub Committee of the Board or where the matter has been admitted in Debt Recovery Tribunal (DRT) and recovery is considered doubtful. During the year no further interest has been provided.

Following are the details of provision upto 31.03.2021.

Companies Name	Provision of Interest & additional interest (Rs. in lakhs)			
	2016-17	2017-18	2019-20	Total
M/s Medirad	705.40	408.81	-	1114.21
M/s Coral Telecom	100.04	23.29	-	123.33
M/s Waterlife	-	1.01	-	1.01
M/s Amalgam Leather	-	880.78	-	880.78
M/s Exponential	-	92.88	-	92.88
M/s Dorvan Agro	-	-	116.16	116.16
TOTAL	805.44	1,406.77	116.16	2,328.37

13. Previous year figures have regrouped and reclassified to make them comparable with current year figures.

-Sd-
(Rajesh Jain)
Director
Technology Development
Board

-Sd-
(Dr. Neeraj Sharma)
Secretary
Technology Development
Board

-Sd-
(Prof. Ashutosh Sharma)
Chairperson
Technology Development
Board



**Separate Audit
Report of
C&AG for the
year 2020-21**



सत्यमेव जयते

कार्यालय महानिदेशक लेखापरीक्षा,
वैज्ञानिक विभाग
ए.जी.सी.आर. भवन, आई.पी. एस्टेट,
नई दिल्ली 110 002
OFFICE OF THE DIRECTOR GENERAL OF AUDIT,
SCIENTIFIC DEPARTMENTS,
A.G.C.R. BUILDING, I.P. ESTATE
NEW DELHI-110002

महा.नि.ले.प.(वै.वि.)/नि./2(20)/TDB/Annual A/cs/2021-22/ 711-712

Dated: 10-11-2021

सेवा में,

अवर सचिव

प्रौद्योगिकी विकास बोर्ड
ए-विंग, ग्राउंड फ्लोर,
विश्वकर्मा भवन,
शहीद जीत सिंह मार्ग,
नई दिल्ली - 110 016

विषय: प्रौद्योगिकी विकास बोर्ड, नई दिल्ली के वर्ष 2020-21 के लेखों पर पृथक ऑडिट रिपोर्ट।

महोदय,

मुझे प्रौद्योगिकी विकास बोर्ड, नई दिल्ली के वर्ष 2020-21 के लेखों पर पृथक ऑडिट रिपोर्ट अग्रेषित करने का निर्देश हुआ है।

संसद के दोनों सदनों में प्रस्तुत करने से पहले वर्ष 2020-21 के वार्षिक लेखों को प्रौद्योगिकी विकास बोर्ड, नई दिल्ली द्वारा अपनाया जाए। प्रत्येक दस्तावेज जो संसद में प्रस्तुत किया जाए उसकी तीन प्रतियां इस कार्यालय तथा दो प्रतियां भारत के नियंत्रक महालेखापरीक्षक को अग्रेषित की जाए। संसद के दोनों सदनों में प्रस्तुत करने की तिथि (यां) भी इस कार्यालय को सूचित की जाएं।

आपसे अनुरोध है कि पृथक ऑडिट रिपोर्ट का हिन्दी अनुवाद अपने कार्यालय में कराने के पश्चात सॉफ्ट कॉपी तथा हार्ड कॉपी दोनों में हमें भेज दें ताकि हिन्दी प्रति को शीघ्र अग्रेषित किया जा सके।

यह महानिदेशक द्वारा अनुमोदित है।

भनदीय,

संलग्नक: यथोपरि।

निदेशक (निरीक्षण)

प्रतिलिपि:

1. वरिष्ठ प्रशासनिक अधिकारी, रिपोर्ट (स्वा.नि.), कार्यालय भारत के नियंत्रक महालेखापरीक्षक, नई दिल्ली को इस कार्यालय में e-mail दिनांक 28.10.2021 के संदर्भ में। आपके कार्यालय द्वारा किये गए परिवर्तन/सुझाव को सम्मिलित कर लिया गया है। पृथक ऑडिट रिपोर्ट की अंतिम कॉपी भी मुख्यालय की टिप्पणियों के उत्तर और प्रपत्र की प्रति भी इसके साथ संलग्न की जा रही है।

निदेशक (निरीक्षण)

Separate Audit Report of Comptroller and Auditor General of India on the accounts of Technology Development Board, New Delhi for the year 2020-21

We have audited the attached Balance Sheet of Technology Development Board (TDB), New Delhi as of 31st March 2021 and the Income & Expenditure Account/ Receipts & Payments Account for the year ended on that date under 19(2) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with Section 13(2) of the Technology Development Board Act, 1995 (No.44 of 1995). These financial statements are the responsibility of the Board's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller and Auditor General of India on the accounting treatment only regarding classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions regarding compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/Comptroller and Auditor General's Audit Reports separately.

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

4. Based on our audit, we report that –

- (i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit,
- (ii) The Balance Sheet, Income and Expenditure Account and Receipts and Payments account dealt with by this report have been drawn up in the format approved by the Government of India,

(iii) In our opinion, proper books of accounts and other relevant records have been maintained by the Board, as required, in so far as it appears from our examination of such books.

(iv) We further report that:

(A) Balance Sheet

Liabilities

Current Liabilities and Provisions: Rs.7368.11 lakh (Schedule 7)

TDB has shown the interest earned amounting to Rs. 2.19 crore on grant of Rs. 75 crores for the project "Fighting Covid 19" as interest earned instead of current liabilities. This resulted in the Overstatement of Income and Understatement of Current Liabilities to the extent of Rs. 2.19 crore.

B. General

1. Investments from Earmarked/Endowment Fund – Rs.65.99 lakh (Schedule 9)

It was already brought to the notice of TDB through previous years' Separate Audit Report that investments made in companies in a shape of 'Equity' were required to be shown at fair market price.

However, TDB adopted/ incorporated the last year's figure of Rs.65.99 lakh of value of investment made in equity (after diminution in its value). Audited Financial Statement for the year 2020-21 was not received from the IDBI and TDB has incorporated the value of earmarked funds as on 31 March 2019. As the actual/ audited figure of equity (after diminution in its value) for the current year was not reported in the books of accounts for the year 2020-21,

therefore, the amount of Rs.65.99 lakh reported as Investment (Equity), as on 31 March 2021 could not be verified during audit.

2. Investments – Others – Rs.11663.34 lakh (Schedule 10)

An amount of Rs.116.63 crore was reported in Schedules 10: 'Investments – others' appended to Balance sheet of TDB for 2020-21, as investments made in different companies in a shape of 'Equity/Venture Capital Funds (VCFs)'.

reduction was required to be charged or credited to the profit and loss accordingly.

However, despite being mentioned in previous year's Separate Audit Report, TDB did not revalue them at fair market price.

3. TDB had not shown list of companies in schedule-24 notes on accounts, whose status has been identified as having been struck off from the list of registered companies or undergoing liquidation as per the records of Register of Companies (ROC), where the loan amount and interest remains overdue/unpaid.

C. Grant-in-Aid

TDB receives grants from Department of Science and Technology out of the R&D Cess levies and collected by the Government at the rate of five per cent on payments made towards import of technology. TDB received a grant of Rs.10.00 crore from the Department of Science and Technology during 2020-21.

In addition to opening balance of Cash/Bank balance of Rs.187.07 crore, an amount of Rs.196.21 crore was received by TDB as interest on short term deposits/loans/royalty/grants, repayment of loans, royalty, income from venture funds, donation etc., during the year 2019-20. After making a total payment of Rs.58.72 crore for investments, establishment/office expenses and disbursement of loans/grants, etc., Rs.324.55 crore was shown as unspent as on 31 March 2021.

D. Management Letter:

Deficiencies which have not been included in the Audit Report have been brought to the notice of the Secretary, TDB through a management letter issued separately for remedial/ corrective action.

(v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Accounts and Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.

(vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Significant Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report, give true and fair view in conformity with accounting principles generally accepted in India:

- a. In so far as it related to the Balance Sheet, of the state of affairs of the Technology and Development Board, as at 31 March 2021; and
- b. In so far as it related to Income & Expenditure Accounts, of the *surplus* for the year ended on that date.

For and on behalf of CAG of India



Director General of Audit

(Environment and Scientific Department)

Annexure –1 to Audit Report**1. Adequacy of Internal Audit System**

Internal audit of TDB for the year 2018-20 has been conducted. Audit further observed that total 20 internal audit paras pertaining to year 2008-10 to 2018-20 were outstanding for compliance/ settlement, as on 31st March 2021.

2. Adequacy of Internal control system

In terms of Rule 238 of General Financial Rules, each grantee Institution is required to furnish the utilization certificate within 12 months of the closure of the financial year, indicating that the grant has been utilized for the purpose for which it was sanctioned. However, despite being pointed out in earlier Audit Reports, TDB did not obtain the Utilization Certificates in respect of 3 cases aggregating to Rs. 47.80 lakh from grantee institutions in time.

3. System of physical verification of fixed assets

Physical verification of fixed assets had been conducted for the year 2020-21 and discrepancies are reported in the management letter.

4. System of physical verification of inventories

TDB replied that it has 'Fixed Assets' and 'Consumable Goods' only. Accordingly, the annual physical verifications of both have been done after closing of each financial year.

5. Regularity in payment of statutory dues:

No statutory dues were outstanding.

SEPARATE AUDIT REPORT

SANJAY KUMAR JHA

D.O.No.DGA (ESD)/Inspection/2(20)/A/C-TDB/2021-22/208

Dated: 10-11-2021

Dear Sir,

I have audited the Annual Accounts of the Technology Development Board, New Delhi for the year 2020-21 and have issued the Audit Report thereon. During the course of audit, some deficiencies were noticed which were of a relatively minor nature and were, therefore, not included in the Audit Report and are now enclosed in the Annexure. These are being brought to your notice for remedial and corrective action.

With warm regards,

Enclosure: Annexure

Yours sincerely,



Shri Rajesh Kumar Pathak
Secretary,
Technology Development Board,
Technology Bhawan, New Delhi 110016

Annexure to Management Letter**Assets****Fixed Assets: Rs.84.96 lakh (Schedule 8)**

TDB had shown computer peripheral devices under the head 'Equipment/Apparatus/Machinery' instead of 'computers' which resulted in less charge of depreciation and overstatement of fixed assets to the extent of Rs. 2.09 lakhs. **(Annexure A)**.



Director (Insp.)

Annexure-A

Sr. No	Name of Asset	Net Block as on 01.04.2020	Addition in 2020-21	Total	Depreciation Charged for 2020-21(@ 15%)	Depreciation to be Charged for 2020-21(@40%)	Differences
1.	Printer	264407	119451	383858	57579	153543	-95964
2.	UPS(500/1000)	362310	5150	367460	54733	145954	-91221
3.	Scanner	4832	-	4832	725	1933	-1208
4.	MS Office (Mac)*		7951	7951	597	1590	-993
5.	Computer	7665	-	7665	1150	3066	-1916
6.	UPS 3KVA	42061	-	42061	6309	160824	-10515
7.	UPS 2KVA	31407	-	31407	4711	12563	-7852
	Total	81133	7951	845234	125804	335473	-209669



सत्यमेव जयते

Technology Development Board

Department of Science & Technology
Government of India

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