

TIDEs of Change



Reflections: 25 years @ TIDE
1993–2018



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@TIDEBANGALORE1
@VIDYUT_RAKSHAKA

Legal and Financial details

TIDE is a registered society as per Karnataka Societies Registration Act; Registration number 131/93-94 dated 11th May 1993.

TIDE has valid 12A, 80G, PAN and FCRA registration.

VISION

Towards a world where innovations positively and equitably impact all sections of society and environment.

MISSION

To develop, adapt and disseminate technological products and processes that meet rural and urban livelihoods and needs sustainably.

TIDEs of Change

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Table of Contents

Relevance of TIDE in today's times	1
Interview with TIDE's founder	2
TIDE: Looking back	4
TIDE: Looking forward	6
TIDE Milestones	7
Spin offs from TIDE	8
What people say about TIDE	9
What is in TIDE's DNA	11
R&D and design of products	11
Gender at TIDE	12
Technology transfer for grassroot entrepreneurs	13
Promoting mindful consumption of resources	14
Capacity building of organization and individuals	15
Products/tools designed at TIDE over the years	16
Acknowledging major funders and partners	22
Meet TIDE's board and general body	24
Significant awards/recognitions for TIDE	26
TIDE Team	27



Relevance of TIDE in today's times

Mr. N. V. Krishna
Chairman of TIDE

Even as we look back on a quarter century of TIDE's existence and operations, it is equally important to look ahead and envision what the shape and form of the organization should be, particularly in the next decade. The past 25 years have witnessed seismic shifts in our social structure, the impact of technology and the way we live our lives. We have seen major disruptions in communication-led by the internet-entertainment, education, manufacturing, services, automation, hospitality and health care sectors, to name a few.

Many of the challenges TIDE has been working on for long, including livelihood, energy, and environment, continue to pose huge challenges to our society and our citizens. There is certainly a case for continuing TIDE's efforts in these sectors. The rapid growth of AI, robotics, and automation in manufacturing and services, has reduced the demand for workers, and this trend is only likely to accelerate in the years to come. In this

context, promoting livelihood options and related skills enhancement programs, should surely be a focus area for TIDE.

It is encouraging to note that TIDE receives financial support and accolades from the corporate sector, mainly as part of CSR initiatives. This model of partnerships may help to scale up TIDE's projects, as in the case of VidyutRakshaka, aimed at reducing the consumption of electrical energy. We hope to learn from our current engagements with corporates and actively explore the effectiveness of this model to achieve scale and impact. Building partnerships with women's SHGs may be a useful strategy to explore, to achieve scalability. Our experience in working with one such group at the Women's Technology Park needs to be examined for its potential to scale up.

In line with technology trends, TIDE too must devise and implement a well

thought out digital strategy. Our efforts in this area, which include a training program for stove construction, and energy management via smart phones, provide some indication of future possibilities. This is likely to provide an effective strategy for outreach, distance education and services delivered over the internet.

Another important aspect to look at is the challenge of attracting young people to a technology agenda, helping them acquire key skills, and getting them to participate in socially relevant programs.

We know that our reach is likely to exceed our grasp. But we do hope that the collective experience and expertise gained by TIDE over the past 25 years will go a long way in advancing the organization's agenda.



Interview with TIDE's founder Dr. Rajagopalan

Dr. Rajagopalan

Did you think that TIDE would be alive and kicking when you started it in 1993?

Yes. When we began we had a clear vision; To take technologies from labs and productionize them for dissemination. The mission was to work with reputed labs and identify technologies that were proven and matched a societal need. We wanted to work through local entrepreneurs to ensure dissemination. We decided the way forward for TIDE was the NGO model. However, we wished it to be grant independent at some stage and our hope was to earn some revenue through loyalty fees from the enterprises we were going to work with. While the last part did not work out, I think TIDE survives because it stuck to its vision and mission largely.

Do you think TIDE existing now points to some inefficiencies in society and us?

Not really, we exist as the opportunity to apply technology for societal needs exists.

If you were to go back to 1993 and your early years at TIDE, would you have done anything new or different?

Nothing much. But I would have liked to see us scaling our impact much larger. Also my wish is to see TIDE becoming grant independent and people independent with strong processes and systems in place.

What propelled TIDE's growth in the initial years?

In the first three years, we had a very small turnover but did some interesting projects, which we got mainly through our networks. In 1996, we had some cash flow issues. We tidied over it and then had an opportunity to apply for a project with Indo Canadian Environment Facility (ICEF). It was a shock when we got that project because we did not have any history of large projects and our application was considered on sheer merit. This project not only brought funding but propelled TIDE's growth and instilled confidence in all our stakeholders.

What were the highlights of the time you were involved operationally at TIDE (1993 to 2008)?

The first highlight was the ICEF project which gave us tremendous confidence in our work. Another highlight is the fact that 4 organizations - TIDE Technocrats, SPINFO, CBPS (Centre for Business and Policy Studies) and Sustaintech were spun off from TIDE with a clear business model in place. (Three out of the four organisations still survive).

In terms of recognition of our work, being chosen as one of the finalists for the Social Enterprise of the year in 2006 World Economic Forum, listed as one of the change makers in India Today, and winning the Ashden award in 2008 are memorable and well deserved.

Since 1999, when SPINFO got spun off from TIDE as a GIS (Geographic Information System) focused organization, you were closely associated with SPINFO. What is your experience with SPINFO?

SPINFO was 5 years ahead of its time. We were doing stuff that Google Maps incorporated later. We were doing stuff on resource management that governments are talking about today. With SPINFO, we also tried the model of paying back to TIDE through an income sharing arrangement which we followed till its closure.

What do you think are the opportunities and challenges for TIDE today?

With 25 years of grass root work, understanding and pursuing a model for scaling impact is an opportunity and challenge for TIDE. The sooner TIDE cracks it, the better.

What are things that you are proud of about TIDE today?

The first is that TIDE is not founder-dependant and is capable of surviving leadership transitions. The second is that it has largely stuck to its Vision & Mission. Finally that TIDE has survived 25 years.

Buzz at TIDE across the years

I am lucky and fortunate to be associated with TIDE almost 12 years before relocating into Ethiopia. My experience in TIDE is excellent. TIDE is one of the best working, not-for-profit organization in the country and contributing towards the sustainable development through its innovative technologies. I hope and believe that TIDE with new innovative technologies and ideas will reach new milestones in the future also. I wish all the best to the Management and staff of TIDE for this great achievements.

Dr .Chandankeri G. G.



TIDE – Looking Back

Svati Bhogle
CEO of TIDE

When I look back at the life and times at TIDE, the memories make me smile. Life here has never been easy, challenges always demanding and in quick succession but that is how it should be in the development sector. Appropriate technology, as it used to be called about twenty years ago has also evolved. I recall sitting in meetings and seminars then, where every innovation was pedal operated, it is not relevant at all today with expanding electricity access. The innovative products developed by TIDE for convenience or livelihoods have changed with changing times but I wish that we had spent more time on evolution of robust replicable processes.

We have tried very innovative processes and pretty successfully too – technology transfer to grass root entrepreneurs, women stove builders, women's technology park...but it took us some time to realize that these daring approaches were innovative, potentially replicable processes. In the UNDP supported project on energy conservation in the

tea industry, we used a very technical tool, the energy audits, as the basis for awareness creation and behaviour change. and with great success. We have applied the same learning in our ongoing programme VidyutRakshaka.

A process driven initiative at the grassroots where we have not been very successful is working in a partnership mode. Our partnership with WRI or with Tea Board, industry associations have been stable, productive and without conflict. Perhaps we need to learn the

same techniques whilst working with Panchayats, MFIs, FPOs.

So, while the memories are often pleasant, there is always a lurking thought inviting introspection – could we have done better? However, we have always worked in niche areas, driven by need as we perceived it, with little respect for the opportunity to claim impact. often contrary to the flow of funds. And so, without regrets, let us continue to bring on the smiles and chase big needs.



Receiving award from
Department of Science
& Technology



With Prince Charles at the Ashden Awards

Buzz at TIDE across the years

Those were the early days of TIDE when we were sharing spaces, tables, computers and even phones. Sampath & I had developed the habit of taking a walk on the roads of Malleswaram when we had to brainstorm on any idea. On a particular day, we ended up having a particularly long conversation. We were standing at a corner near Veena stores and discussing something fairly intensely and loudly. For onlookers it probably seemed like a quarrel. We hadn't even realised it! Raj who was passing by noticed us and realized what was happening. It required his intervention for us become aware of our surroundings and what our animated discussions might have sounded from the outside! TIDE was an extended family for us with our family members knowing all our colleagues and vice versa. Wishing TIDE an eventful 25th year and many more years of positive impact on society.

Dinesh Kagathi



TIDE – Looking Forward

K. Sumathy

Executive Director of TIDE

It is fascinating to hear what TIDE means to different people. Depending on whom one asks, the answer would range from: It is cook stoves; it is gender and energy access; it is alternate livelihoods; it is energy and water conservation. In a span of 25 years, TIDE has worked on these and many more ideas, dropped some, took a few to maturity, while others are still work-in-progress. While the actual ideas / solutions may have changed over time, the core aspect of work at TIDE has always been Technology and Innovation. This is in TIDE's DNA. However, one of TIDE's biggest learning has been that technology is the easier part to crack while addressing a societal issue on the ground, be it in clean cooking, or energy efficiency or livelihoods. We also understand that Technology is a useful servant but a dangerous master. With

these realizations, TIDE is consciously and continuously building its expertise in the other facets of development, right from social to economical to political. Which is why TIDE is sought today not just as a technology solution provider but as an expert in disseminating solutions on the ground successfully.

Our role does not stop with demonstrating that a solution works but also includes showing the impact or, at least, the way to impact. Now we need to create the methodology for impact at scale. This is going to be the defining goal for our work in the coming years. For this, TIDE has to balance the customization needs of dissemination with the need for a rapid prototyping of effective solutions for scaling (product or service).

We have experimented with some models in the past for scaling right from hiving off a marketing company to leveraging grass root partnerships. We are stabilising a women led rural enterprise from our Women's Technology Park as a model for incubating rural technology based enterprises. We have also begun to embrace digital technology where possible. Recently we have released a mobile app for one of our programs as a means to achieve impact at scale. We are creating digital tools for knowledge dissemination and training.

Albert Einstein said that "The measure of intelligence is the ability to change". An intelligent organization like TIDE should be and will be ready for adaption to ensure that we make the next 25 years as exciting and productive as the last 25 years.

TIDE Milestones - The road less travelled...



1993–
1998

Buzz words

GIS

Pico - Hydro

Biomass Energy

Thematic focus areas

Information Management &
Dissemination
Energy for Productive use.
Development Research

Landmark Project

Dissemination of biomass utilization
technologies

Thematic focus areas

Renewable Energy
Technologies
Rural Process Industries
Water

Landmark Project

1st Core grant for capacity building of
TIDE

Awards

Energy Conservation Award.
Government of Kerala

Thematic focus areas

Water Harvesting, ,
Energy Efficient Devices for industries
Gender & Energy

Landmark Project

Energy Conservation in tea factories

Awards

Ashden Energy Champion Award
Finalists for the Social Entrepreneurship
Award



1999–
2003

Buzz words

Biomass Devices

Water Harvesting



2004–
2008

Buzz words

Energy Efficiency.

Gender Mainstreaming



2009–
2013

Buzz words

Women's Technology Park

Energy Conservation

Rain Water Harvesting

Thematic focus areas

Women & Livelihoods
Cookstoves
Energy & Natural Resource
Conservation

Landmark Project

Women's Technology Park

Awards

Karnataka State Government Environ-
ment Award
Best Woman Scientist award



2014–
2018

Buzz words

Agni Stoves

PAN India dissemination,
Incubation of Enterprises
& MANINI

Thematic focus areas

Women & Livelihoods
Water Conservation
Fuel Efficient Cook stoves

Landmark Project

VidyutRakshaka

Awards

Best NGO award from Resource
Alliance

TIDE believes in
“Development is about transforming
the lives of people...
not just transforming economies.”

(Joseph Stiglitz)

The journey continues ...

Spin-offs from TIDE

As TIDE grew and experimented with different ideas, certain thematic areas emerged which demanded a different approach. This was the genesis of spin-offs from TIDE. It is to the credit of TIDE that four such organization had their origins at TIDE.

1998

Centre for Budget and Policy Studies (CBPS) - For Policy studies

1999

SPINFO - Company for promoting Geographic Information System (GIS)

2008

SUSTAINTECH - Marketing company for stoves designed at TIDE

1995

TIDE Technocrats Private Limited - For commercializing technologies

What people say about TIDE

... It's not having the idea that is so difficult but making it work in practice ... TIDE had done that as an NGO...

Anne Wheldon

Senior adviser
to the Ashden Awards (2008)

"I am thankful that I took the opportunity offered by TIDE to learn to build stoves. Thanks to TIDE, I am respected and honoured in my village like a government official."

Katyayini

TIDE Entrepreneur (2014)

TIDE 's strength is the adaptation of technologies for use and benefit of small and medium entrepreneurs and poorer sections of the Indian Society, while taking into consideration environmental aspects and gender issues.'

Ms. Willeke Parmentier

Previously with EDC,
Netherlands (2014)

The collaborating project with TIDE on 'Conversion of school campus to Environment Friendly Zone' is found to be enhancing the academic of the Vidyalaya.

Assistant Commissioner

Kendriya Vidyalaya Sangathan
(2012)

TIDE looks at the projects with a clear vision and plans the nitty-gritties of activities to the minor details which is the reason behind their success. They get along excellently with all the project partners and interact with the Government and other project partners at the highest level that ensures policy level interventions rather than leaving the activities at the society and at the initial planning level.

– **Mr. Anil Arora**

Formerly with UNDP – GEF, CEE and
now at Earthwatch (2014)

TIDE introduced me to areca leaf sheath plate enterprise. They gave training and helped to purchase second hand machine and set up the unit. They also gave me marketing linkages locally. I am running the unit since August 2017 successfully.

Ms. Veena

Areca entrepreneur

The meeting with you was a highlight of our learning trip to Bangalore. Your presentation on TIDE and its work in rural areas of India helped participants understand the multiple challenges involved in improving living and working standards there, and the special supporting role that an NGO could play in advancing both social and entrepreneurial goals.

Participants of the Advanced Leadership Program

Canada School of Public service
(2012)

I think (Vidyut Rakshakat) it is very relevant. I was in fact telling my friends and relatives in Kolkata that I have not heard of any such initiatives anywhere else

A Vidyut Rakshaka participant

The format developed for analysing existing consumption level and pattern is simple and effective for taking corrective action

Mr. Ramprasad

Malleswaram resident and
Vidyut Rakshaka participant

What people say about TIDE

(TIDE) their programmes and the work they are doing for assisting women in being self-sufficient as well as creating an eco-friendly environment are remarkable and very crucial towards the improvement of the society.

Ms. Archana Hari

Head - Credibility Assurance Team,
Give India (2018)

On behalf of Think Peace, I wish to express my gratitude to TIDE team for training tribal women in the villages of Araku Valley to construct Smokeless Stoves. The team has been extremely helpful and cooperative.The stoves are a big success in the village and work flawlessly.

Vandana Mamidanna

Director-Operations
Think Peace Organisation

Thanks to TIDE, we at SNN Raj Lakeview apartments have a much better understanding of our electrical systems and electricity usage in our Common Areas. After conducting a thorough walk through of our facility and collecting relevant data, TIDE produced a comprehensive presentation highlighting both the good and the bad aspects of our systems.

Mr Nagendra

Secretary of SNN Raj Lake View
Apartment Association

... We have been used to in-house experts... They (the Project team led by TIDE) could bring the experience of other industries and the subject (energy). We could get the best of both worlds.

Mr. Basudeb Banerjee

Chairman Tea Board (2010) about
the project Energy conservation
in small scale tea factories
in Nilgiris district

What struck me about their (TIDE trained women entrepreneurs) approach was the conviction they carry and the confidence with which they interacted with us, answering all our queries...I am much impressed by TIDE

Mr. K. N. Sriram

OMRC Market Research Company

The TIDE team is extremely entrepreneurial and a pleasure to work with. They have a dogged persistence in going after goals and achieving them which sets them apart from a lot of organizations in this sector.

Dr. Jogin Desai

Social Venture Partners
Bangalore chapter

Buzz at TIDE across the years

TIDE's culture is taking care deeply about quality products and good services while implementing its projects. It plays a key role in developing society and improving communities. Gains the respect and confidence of funding agencies, partners, and beneficiaries. I joined TIDE in the year 1994 and worked for more than two decades as an accounting professional in various capacities. It taught me responsibility and valuable skills in my profession. It was a good learning experience. I respect and appreciate all the positive qualities it instilled on me.

Jayaraman

What is in TIDE's DNA R&D and design of products



TIDE has designed 30+ products mainly in biomass utilization devices. It has also modified traditional rural devices and made them energy efficient. These products find application in post harvest processing, informal industries and households.



What is in TIDE's DNA Gender at TIDE



Even before gender was formally recognized as an integral part of any development work, TIDE had done pioneering work in disseminating gender-sensitive practices, enabling gender-balanced energy access and in changing gender stereotypes starting with cook stove construction and promoting micro-entrepreneurships and the Women's Technology Park.



What is in TIDE's DNA

Technology transfer for grassroot entrepreneurs



When a product designed or adapted at TIDE matures and is ready for use, TIDE transfers the technology to grassroot entrepreneurs to stabilize and improve their businesses.



What is in TIDE's DNA

Promoting mindful consumption of resources



Be it biomass or water or electricity. TIDE's work has revolved around advocating sustainable use of natural resources. While promoting products designed for efficient utilization, TIDE's approach has been to advocate mind set change in small but significant ways to bring about mindful consumption of resources.



What is in TIDE's DNA

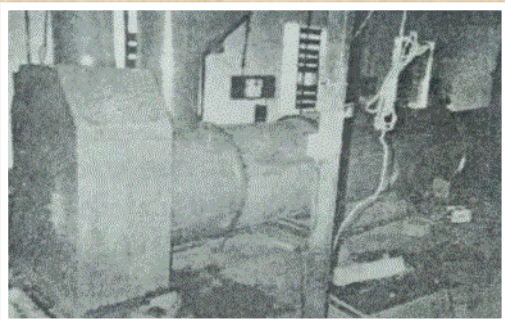
Capacity building of organization and individuals



To ensure widespread dissemination, TIDE supports other organizations and individuals in technical knowr how and process methodologies.



Products/tools designed at TIDE over the years



TIDE Rotary Drier

The rotary dryer is conceived, designed and fabricated for small capacities which can be used for multiple applications with rapid & uniform drying and reduction in microbial contamination.



Bio-Reactors

This plant holds methanogen-rich biomass which aids in rapid conversion of organics into biogas. The process of converting organics into biogas requires 10 days for liquid effluents and 30-40 days for organic solid waste. The plant is modular in design and can be built to meet user requirements.



Municipal Waste Compost Plants

This compost plant is used to convert organic waste to manure. The process of decomposition is supported to convert everyday organic wastes to produce nutrient-rich compost. Organic matter decomposition for production of organic manure can take place in the absence of air, presence of air or in presence of earthworms and is referred to as anaerobic or biomethanation aerobic or vermicompost respectively.



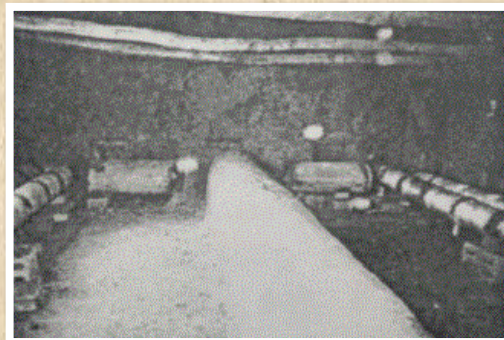
Fine Concrete Blocks Kiln

These bricks are produced from a mixture of exact proportions of sand, quarry dust and cement. This mixture is compacted/pressed at optimum moisture into high density blocks using a compaction machine.



Improved Brick Kiln-LCBK

This low cost improved brick kiln can produce 10000-12000 bricks per batch with low operating costs.



Tobacco Barn

This barn runs a process of curing where a single cycle lasts for 4-5 days.



Steam Cured Blocks kiln

Lime stabilised blocks require longer duration (>1 month) of curing at ambient temperatures for adequate strength development. Lime clay reactions can be accelerated and curing can be completed in a day by adopting a steam curing technique.



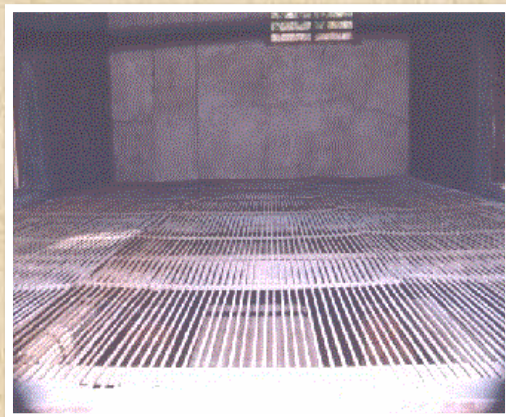
Cabinet Dryers

This dryer can be used to dry small quantities of produce. The available standard tray capacities of the dryer are 22 sq.mts, 11 sq.mts and 6 sq.mts. It is possible to construct dryers of a wide range of capacity based on requirements. The cabinet dryers can be constructed with bricks or by using metallic components.



Improved Pottery Kiln

The process of firing pottery includes stacking of moulded earthenware in the pottery kiln, firing of the kiln and removal of the burnt wares from the kiln.



Room Dryers

This dryer is used for industrial-scale drying of any perishable food items.



Improved Lime Kiln

This process of converting mined limestone to lime involves heating of limestone to facilitate the decomposition reaction and formation of high quality lime.



Silk Reeling Stoves-charaka

This low cost oven is currently being used for reeling of silk in charaka units.

Products/tools designed at TIDE over the years



Silk Reeling Stoves-Cottage oven

This oven is used in cottage silk reeling units wherein cocoons are cooked at a single place and reeled in reeling basins.



Textile/Silk Dyeing Stoves

This stove can be used for imparting specific colours to yarn or cloth used to make garments. It can be constructed on-site to accommodate a wide range of vessels.



Ayurvedic Medicine Preparation Stove

This stove is used for preparing ayurvedic medicines.



Rubber Band Vulcanising Stove

This rectangular-shaped stove is used to vulcanize dried rubber to further produce rubber bands, hand gloves and other rubber products.



Arecanut Cooking Stove

This stove is used to cook de-husked areca nuts. It is available in double pan and three-pan models.



Jaggery Making Stove

This stove is used to make jaggery from sugarcane juice extract without separation of the molasses and crystals.



Sarala Household Cooking Stoves

This stove can be used for domestic cooking in households. The stove is compact, durable, low cost and compatible with a wide range of solid bio-fuels.



Water Heating Stove-Handey Oley

This stove is used to heat water for bathing in homes, lodges, hotels, community halls and other establishments wherein hot water is required.



Large Cooking Stoves-Constructed

This stove is useful for community halls, religious institutions, hostels and other establishments for large scale cooking. Stoves for cooking for 300-1000 people are also available. Biofuels such as wood, agricultural products, coconut shells and other waste can be burnt in this energy-efficient stove.



Tava Stove constructed

This stove is used for making dosas, rotis, chapathis etc.



Water Heater-Pre fab metallic stoves

This high efficiency pre-fabricated metallic stove can be used for industrial and domestic applications..



Chimney for silk reeling

This chimney is designed for silk reeling applications

Products/tools designed at TIDE over the years



Multipurpose-Stoves -constructed

This stove is used for general cooking, frying etc.



Prefab-metal Multipurpose stove

This metal stove is used for general cooking, frying etc.



Prefab-Sloping-grate stove- loose biomass fuel

This metal stove is used for general cooking, frying, making sweets etc. It is fired using loose biomass fuel.



Prefab-metal tava stoves

This stove is used for making dosas, rotis, chapathis etc.



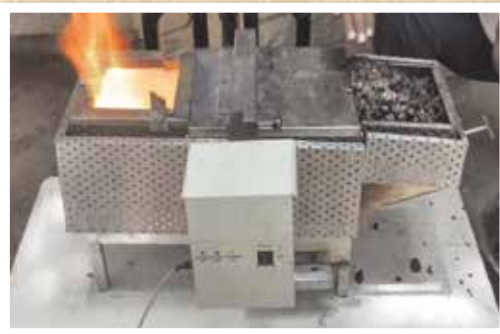
Tea boiler

This stove is used to make tea and coffee decoction and hot water.



Pyro-mini-metal stove

This stove is used for home-based cooking.



Agnimitra - Designed by FEAST and adapted at TIDE

This stove is used for community cooking for > 50 people.



Agnisakhi - Designed at FEAST and adapted at TIDE

This stove is used for home-based cooking.



Vidyut Rakshaka Mobile app

Acknowledging major funders and partners

TIDE acknowledges its partners and funders, some of whom are listed here





South Asia Regional Initiative for Energy Integration



TATA TRUSTS



Meet TIDEs Board

Council of Management

All Council of Management members are also part of TIDE's General Body



A. N. Jayachandra
Jawaharlal Nehru
Centre for Advanced
Scientific Research



Hari Natarajan
Energy Consultant



N. V. Krishna
Sustaintech Pvt. Ltd.



Shailaja Rao
Freelance Consultant



Svati Bhogle
CEO, TIDE
Sustaintech Pvt. Ltd.

General Body



Dinesh Kagathi
Renewable Energy
Professional



Hoysala N. Chanakya
Indian Institute of
Science



Rajagopalan
Professor,
IIIT Bangalore



K. Ravichandran
Independent
consultant



Sampath Kumar N.
TIDE Technocrats
Pvt. Ltd.



Sreenkanta Swamy
Karnataka State
Council for Science &
Technology



Sharachchandra Lele
Ashoka Trust for
Research in Ecology
and the Environment
(ATREE)



Sujatha Byravan
Centre for Study of
Science Technology
and Policy



Sumathy Krishnsn
Executive Director,
TIDE



Vinod Vyasulu
Jindal School and
Government and
policies



Vishwanath S.
Biome Environmental
Trust & Arghyam

Buzz at TIDE across the years

It was July 2014. The excitement was writ large on everyone at TIDE. A lot of efforts had gone in to prepare the VidyutRakshaka (VR) Questionnaire, working out the processes, identifying and technical training of stewards for conducting surveys etc. While we have come a long way with the VR program from the early days, all of us going in a procession to the first Malleshwaram household and the excitement on getting the first questionnaire completed, is something unforgettable. Embracing change is the hallmark of a sustainable organisational culture. Wishing TIDE all the Best on its silver jubilee"

Ravichandran

Buzz at TIDE across the years

I don't think many today know that in 1995 TIDE operated out of 55 KR Road, where all of us worked around a large centre table. We had a project from the ILO, looking at the state of small industry. This string later was hued off as CBPS. That both TIDE and CBPS are still around is a matter of joy and celebration.

Vinod Vyasulu

Buzz at TIDE across the years

It was a happening time for a 24 year old - a group huddled together, discussing, with intense expressions, the implementation of bio-gas plants and their technology; another louder group, with powerful hand gestures and pacing around, talking about implementing micro-hydel power plants; maps strewn on a table, a young group arguing about the accuracy and integrity of maps; and so much more! I believe there were more ideas and thoughts floating around this small office than in any other university in this world. Indeed, this is what Renaissance would have felt like.

Personally, this was one of the most interesting parts of my work life. A group of disparate people had come together to solve problems of the society. Working with this group, under the leadership of Raj, who, to my complete surprise would give us total ownership of complex projects, and then with Svati, was truly exciting, enlightening and life-changing.

Bithi Agrawal

Significant awards/recognitions for TIDE



Ashden Energy Champion Award



Finalists for the Social Entrepreneur Award



Karnataka State Government Environment Award



NITI Aayog - CII Best Woman Exemplary Award



India NGO Award

TIDE Team





www.tide-india.org



@TIDEBANGALORE1
@VIDYUT_RAKSHAKA



[linkedin.com/company/technology-informatics-design-endeavour-tide-](https://www.linkedin.com/company/technology-informatics-design-endeavour-tide-)



facebook.com/pages/Technology-Informatics-Design-Endeavour/108424802574316



INDEPENDENT AUDITOR'S REPORT

To,
The Members,
Technology Informatics Design Endeavour,
Bangalore

1. Report on the Financial Statements:

We have audited the accompanying Financial Statements of **TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR**, which comprise the Balance Sheet as at 31st March 2018, the Income and Expenditure Account for the year then ended, and a summary of significant accounting policies and other explanatory information.

2. Societies Responsibility for the Financial Statements:

Society is responsible for the preparation of these Financial Statements that gives a true and fair view of the financial position and financial performance of the Society. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation of the financial statements that are free from material misstatement, whether due to fraud or error.

3. Auditor's Responsibility:

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosure in the financial statements. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we have considered the internal control relevant to the Society's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting principles used and reasonableness of the accounting estimates made by the management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.



4. Opinion


In our opinion and to the best of our information and according to the explanations given to us, the said accounts read together with the significant accounting policies and notes to accounts thereon give a true and fair view in conformity with the Accounting Principles generally accepted in India:

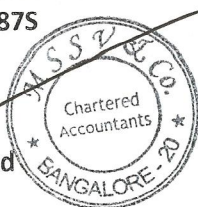
- (a) In the case of Balance Sheet, of the state of affairs of the Society as at 31st March 2018; and
- (b) In the case of the Income and Expenditure Account, of the Excess of Income over Expenditure for the year ended on that date;

5. Report on other Legal and Regulatory requirements

- (a) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purposes of our audit.
- (b) In our opinion, proper books of accounts as required by law have been kept by the company so far as appears from our examination of those books.
- (c) The Balance Sheet and the Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.

for MSSV & Co,
Chartered Accountants
FRN: 001987S


Ravi Prasad
Partner
Membership No. 203414



Place: Bangalore
Date: September 15th, 2018

TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR

FF1, Sapthagiri Apartments, No.30, 10th Cross, 15th Main Road,

RMV Extension, Sadashivanagar, Bengaluru - 560080

BALANCE SHEET

Particulars	Note No.	As at 31st March, 2018	As at 31st March, 2017
		In Rupees	In Rupees
SOURCE OF FUNDS			
Corpus - Award	1	7,36,970	7,36,970
General Fund	2	61,88,877	43,38,155
Entrepreneur Development Fund [EDF]	3	10,60,501	9,04,237
Staff Welfare Fund [SWF]	4	6,58,879	6,57,692
Total		86,45,227	66,37,053
APPLICATION OF FUNDS			
Fixed Assets	5	12,92,823	9,03,315
Current Assets			
- Advances & Deposits	6	7,27,200	2,05,153
- Receivables	11	13,38,246	4,96,151
- Fixed Deposit with Bank	7	64,00,000	65,00,000
- Other Current Assets	8	5,64,832	6,19,274
- Cash & Bank Balances	9	73,12,179	87,06,244
Total (A)		1,63,42,456	1,65,26,822
Less: Current Liabilities			
- Sundry Creditors	10	1,47,629	34,608
- Unspent Balances	11	88,42,423	1,07,58,477
Total (B)		89,90,052	1,07,93,085
Net Current Assets C = (A-B)		73,52,404	57,33,738
Total		86,45,227	66,37,053

Refer our Report of Even Date

For MSSV & Co

Chartered Accountants

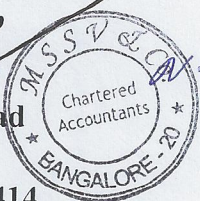
FRN 001987S

For Technology Informatics Design Endeavour

Ravi Prasad

Partner

M No.203414



N.V. Krishna

Chairman

Svati Bhogle

Secretary

K. Sumathy

K. Sumathy
Executive Director

Place: Bangalore

Date: 15.09.2018

Place: Bangalore

Date: 15.09.2018

TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR
FF1, Sapthagiri Apartments, No.30, 10th Cross, 15th Main Road,
RMV Extension, Sadashivanagar, Bengaluru - 560080

INCOME & EXPENDITURE ACCOUNT

Particulars	Schedule No.	For the year ended 31st March, 2018	For the year ended 31st March, 2017
		In Rupees	In Rupees
INCOME			
(A) Project grants	11	1,27,13,831	1,83,36,754
Add: Interest earned on project grants	11	2,91,871	1,11,047
Unspent balance b/f from previous year	11	1,00,43,375	17,62,316
Less: Unspent Balance at the end of the year	11	73,76,437	1,00,43,376
		1,56,72,640	1,01,66,742
(B) Donations received	11	3,86,655	2,75,450
Add: Unspent balance b/f from previous year	11	2,18,950	24,113
Less: unspent balance at the end of the year	11	1,27,740	2,18,950
		4,77,865	80,613
(C) Other income			
- Overhead recovery	11	9,48,017	4,62,913
- Usage of Tide facilities	13	4,24,250	49,500
- Interest received		2,86,958	1,79,868
- Miscellaneous income		91,498	3,87,390
Total Income (A)		1,79,01,228	1,13,27,026
EXPENDITURE			
(A) Project expenses during the year	11	1,56,72,640	1,01,71,800
(B) Donation related expenses	11	4,77,865	80,613
(C) Administration expenses			
- Secretariat expenditure	12	3,87,751	2,13,999
- Depreciation	5	1,10,492	68,537
Total Expenditure (B)		1,66,48,747	1,05,34,949
Excess of income over expenditure for the year carried to Balance sheet	C = (A-B)	12,52,480	7,92,077

Refer our Report of Even Date

For MSSV & Co

Chartered Accountants

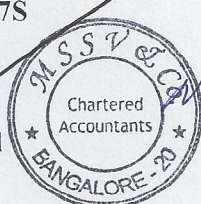
FRN 001987S

Ravi Prasad
Partner

M No.203414

Place: Bangalore

Date: 15.09.2018



N.V. Krishna
Chairman

Place: Bangalore

Date: 15.09.2018

For Technology Informatics Design Endeavour

Svati Bhogle
Secretary

K. Sumathy
Executive Director

TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR
FF1, Sapthagiri Apartments, No.30, 10th Cross, 15th Main Road,
RMV Extension, Sadashivanagar, Bengaluru - 560080

RECEIPTS AND PAYMENTS ACCOUNT

Particulars	Schedule No.	For the year ended 31st March, 2018	
		In Rupees	In Rupees
RECEIPTS			
Opening Balance			
- Cash on Hand	9	39,301	
- Cash at Bank	9	86,66,944	87,06,244
Project Receipts			
- Grant - Specific Projects / Programmes	11	1,28,71,652	
- Other Activities & Reimbursements	11	1,34,050	
- Donations	11	3,61,120	1,33,66,822
Overhead Recovery / Receipt - Per Contra			7,81,048
Usage of Facilities Recovery / Receipt - Per Contra			3,17,250
Interest Received			
- Interest on I.T refund		14,119	
- FD interest		2,46,075	2,60,194
Recoveries			
Travel / Project Advance Recovery			
- Staff		79,441	
- Entrepreneurs / others		3,47,600	4,27,040
Salary Deductions - Recovery			
- Professional Tax		46,600	
- Provident Fund		5,67,669	
- SWF Loan		67,000	6,81,269
Other Recoveries			
- TDS Recovery (Consultants/Contractors)			3,93,086
Other Receipts / Refunds			
- Interest Receivable on F.D (Receipt)		36,208	
- Fixed Deposit - Withdrawal		15,00,000	
- I.T - TDS (Refund from I.T Dept)		2,01,721	
(excluding interest on IT Refund)			17,37,929
Other Misc Income			
General Fund- Give Foundation		9,490	
FES Survey income		25,000	
Income from Micro Solar Dome Survey Work		15,000	
Income from SIPL		15,000	
Income received from Stove project		10,000	
Other miscellaneous income		17,008	91,498
Entrepreneur Development Fund (Receipts)			2,00,605
Staff Welfare Fund (Receipts)			1,37,874
Total			2,71,00,859



PAYMENTS			
Project Expenditure			
- Specific Projects / Programmes	11	1,23,33,059	
- Other Activities & Reimbursements	11	5,096	
- Donation related expenses	11	3,13,000	1,26,51,155
Secretariat Expenditure			3,08,046
Travel / Project Advance			
- Staff		7,65,317	
- Entrepreneurs /Others		32,22,523	39,87,839
Deposits			
Fixed Deposit			
- NON-FCRA		14,00,000	
- SWF		-	14,00,000
Salary Deductions - Remittance			
- Professional Tax		46,800	
- Provident Fund		5,67,647	
- SWF Loan		67,000	6,81,447
- TDS - (Consultants / Contractors)		4,29,463	
- TDS - Grantors / Bank		1,47,914	5,77,377
Entrepreneur Development Fund			35,289
Staff Welfare Fund (Payments)			1,12,919
Other Payments / Debits			
Audit fees			34,608
Closing Balance			
- Cash on Hand		15,550	
- Cash at Bank	9	72,96,629	73,12,179
Total			2,71,00,859
<p><i>Refer our Report of Even Date</i> For MSSV & Co Chartered Accountants FRN 001987S</p> <p>Ravi Prasad Partner M No.203414</p> <p>Place: Bangalore Date: 15.09.2018</p>			
<p>For Technology Informatics Design Endeavour</p> <p>Svati Bhogle Secretary</p> <p>K. Sumathy Executive Director</p> <p>Place: Bangalore Date: 15.09.2018</p>			