

Technology Informatics Design  
Endeavour (TIDE)

# Annual Report

FY 2021-2022



**TIDE**  
25 @ 2018



# About Us

## Vision

A world where technology positively and equitably impacts societies and the environment.

## Mission

To provide technology solutions for livelihoods, sustainable communities and to build climate resilience.

## Legal & Statutory Information

Registration No: S.No. 131/93-94 dated 11/05/1993 of Karnataka Societies Registration Act, 1960

FCRA: 094420769, valid till 2026

80G: AAATT1118NF19941, valid till AY 2026 - 2027

12A: AAATT1118NE19943, valid till AY 2026 - 2027

CSR Registration : CSR00002810

PAN : AAATT1118N

GST : 29AAATT1118N2Z7

TAN: BLRT00701B

## Social Media Handles



[@Technology Informatics Design Endeavour](#)



[@TIDE\\_NGO](#)



[@Technology Informatics Design Endeavour \(TIDE\)](#)



[@TIDE.NGO](#)



[@TIDE\\_NGO](#)



<https://tide-india.org/>



Workshop for sanitation workers



Sessions being conducted at schools



MANINI stall at a NABARD event



Construction of community cookstove

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Team TIDE

# From the Desk of the Director



TIDE's hope, at the start of FY 21-22, was to have a 'normal' year. The first quarter saw the devastating COVID second wave. But it pushed us to work harder to build our resilience and the communities we work for. We created backup plans as a standard practice, which received acceptance from both funders and target communities.

TIDE's stand-out accomplishment during the year was to create a 3-year detailed business plan keeping our vision, mission and objectives as focal points. The exercise helped

bring a lot of clarity internally and identify what we needed to weed out. This has resulted in an actionable framework for the near future.

The confidence to set out three-year goals came largely from the success of ongoing projects at TIDE and the impact they continue to have. TIDE has sensitized over 5 lakh people on sustainability and resilience, inducted 5000 people into self-employment and minimized carbon emissions by 20% for one lakh people.

Since the onset of COVID, our skilling & livelihoods vertical has constantly adapted to meet changing demands in communities and markets. The Village Enterprises Kiosks (VEKs), digital entrepreneurs, areca leaf sheath product innovation lab and the techno-economics simulator for rural businesses were some noteworthy interventions. Our work in biomass technologies is converging towards livelihoods with a focus on training and creating self-employment.

The Integrated Water Management (IWM) program in two towns of Karnataka adds a feather to our cap addressing issues at the city level with replicability across the country. TIDE's Model School Program continues to deliver holistic development at schools, aligning with Sustainable Development Goals. It is a much-coveted program for both our corporate partners and schools under the model school program because of the employee engagement opportunities.

We faced our fair share of challenges in continuing our VidyutRakshaka and QUEEN programs, with post COVID focus on action for economic recovery and resilience. However, with COP 26, we see a revival of interest in low carbon projects. TIDE with its experience and expertise in various low carbon technologies including Improved Cook Stoves is well poised to deliver in this area.

It is during times of crisis that partnerships are tested. We are thankful to our funders and partners for their amazing support throughout the pandemic. Not to forget the superlative commitment from our team, which is why we march proudly into our third decade of existence; strong but flexible, rooted and impactful.

Sumathy Krishnan  
Executive Director



# Aligning with Sustainable Development Goals (SDGs)



**SDG - 3**  
ENERGY AND ENVIRONMENT

"To ensure healthy lives and promote well-being for all at all ages."

3 GOOD HEALTH AND WELL-BEING



**SDG - 5**  
GENDER & LIVELIHOOD

"To achieve gender equality and empower all women and girls."

5 GENDER EQUALITY



**SDG - 6**  
INTEGRATED WATER MANAGEMENT

"To ensure availability and sustainable management of water and sanitation for all."

6 CLEAN WATER AND SANITATION



**SDG - 7**  
BIOMASS TECHNOLOGY

"To ensure access to affordable, reliable, sustainable and modern energy for all."

7 AFFORDABLE AND CLEAN ENERGY



**SDG - 11**  
ENERGY & ENVIRONMENT

"Making cities and human settlements inclusive, safe, resilient and sustainable."

11 SUSTAINABLE CITIES AND COMMUNITIES



**SDG - 12**  
ENERGY & ENVIRONMENT

"To ensure sustainable consumption and production patterns."

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

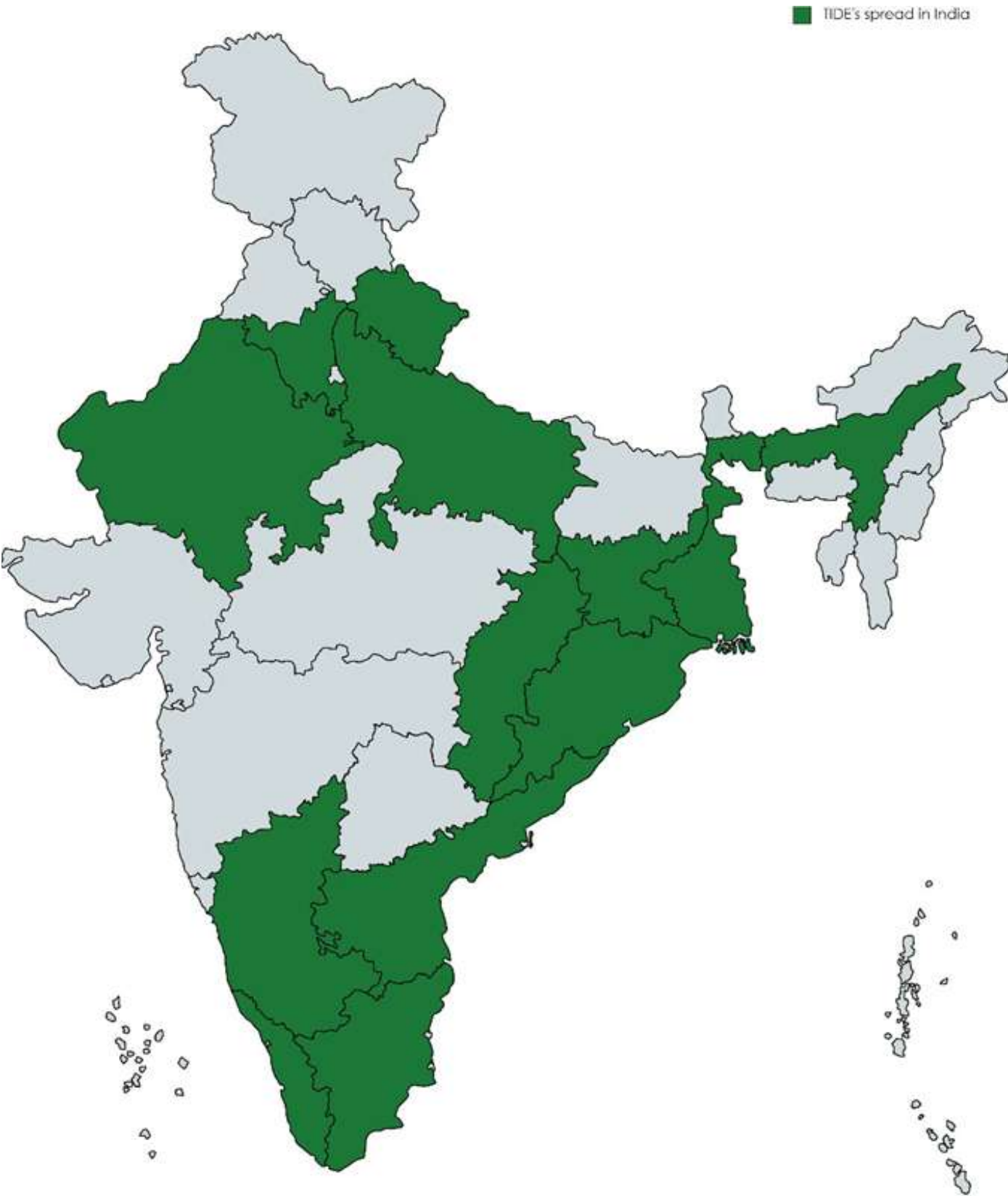


**SDG - 13**  
ENERGY & ENVIRONMENT

"To take urgent action to combat change and its impact."








13 CLIMATE ACTION

# Our Geographical Outreach



Created with mapchart.net

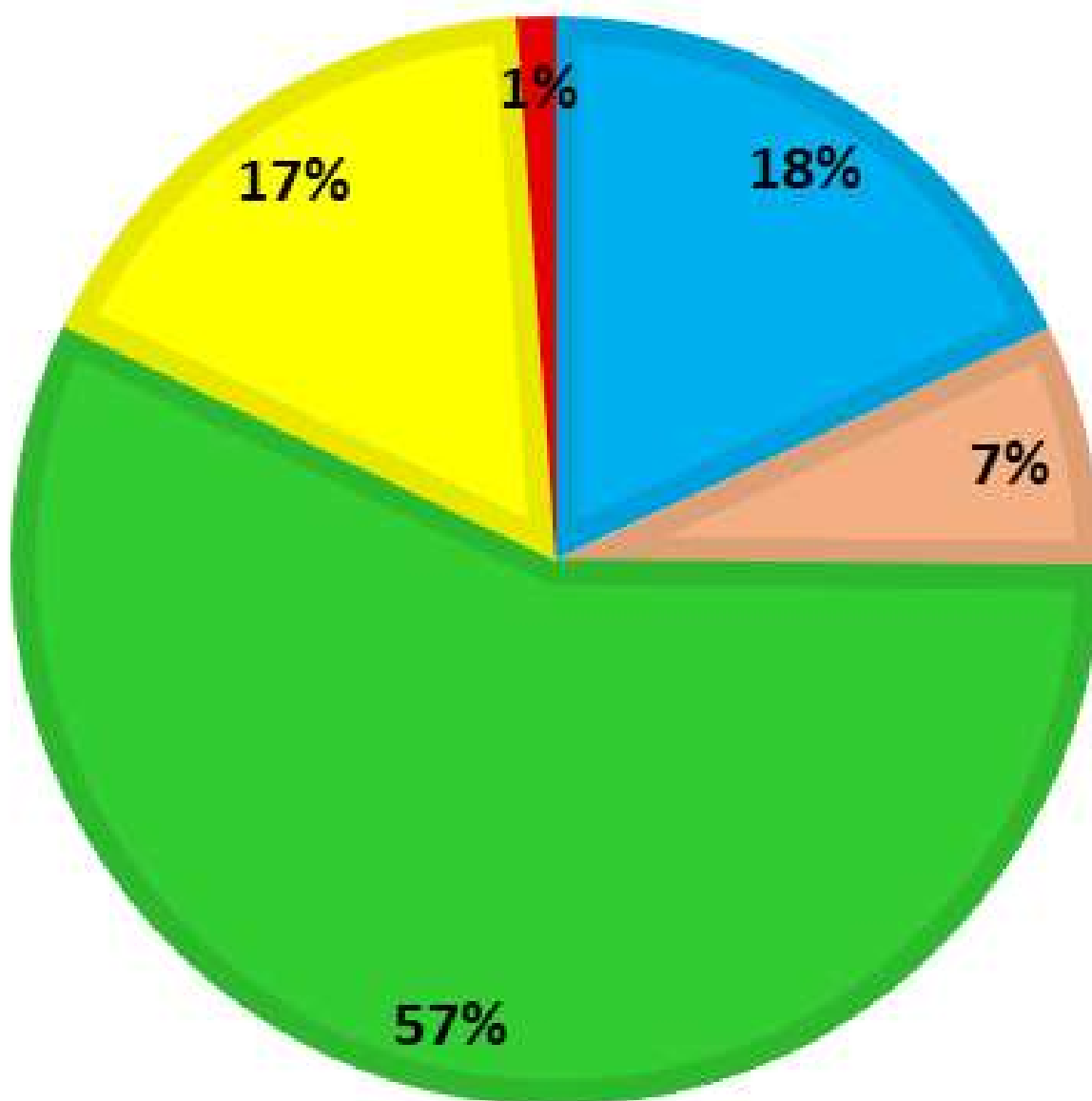
# Achievements for FY 21-22

	<p>Awareness created among <b>3000</b> rural women and youth about alternate location-specific livelihood opportunities.</p>
	<p>Skill training provided to <b>1600</b> on alternate location-specific income generation opportunities</p>
	<p><b>750</b> women empowered and generated their first-time income facilitated by TIDE</p>
	<p><b>1200</b> school students sensitized to environmental issues</p>
	<p>INR <b>1.5 CR</b> income generated by TIDE-trained rural entrepreneurs</p>
	<p><b>3800</b> MT of CO2 emission reduced due to energy, water and waste interventions.</p>
	<p><b>2500</b> MT of biomass conserved</p>



## Allocation of Funds in FY 21-22

■ G&L ■ Energy ■ IWM ■ MSP ■ COVID





# Biomass Technology

792 people given access to improved stoves.

379 people trained in stove building .

Rs 50,03,000 notional fuel cost savings.

Rs 83,200 stove builders income.

3752 million tons of CO2 emission reduction p.a

12 organizations with improved capacity.

Through Biomass Technologies we aim to provide biomass-based thermal energy solutions to rural households, eateries, institutions, informal sectors, etc. This is with the aim to conserve biomass resources, mitigate carbon emissions, and create green livelihood opportunities for rural women and youth.

In 2021-22, we installed almost 500 household devices, 260 community stoves, 3 driers and 9 devices for informal sectors such as the piggery farm as a pilot initiative. Around 250 rural women and youth were trained in the construction, fabrication and maintenance of biomass-based thermal energy devices. This resulted in an average additional income generation of Rs. 2000 per month. These fuel-efficient devices have led to a carbon emission reduction of 3752 million tonnes during FY 21-22.

TIDE launched stove construction, fabrication, and maintenance online learning modules on its knowledge dissemination platform [TIDE Slate](#). It combines knowledge and tools on Training and Capacity Building in the sectors that we work with. About 200 learners registered and successfully completed the full fledged courses we offer.

TIDE has been a wonderful technical partner in energy intervention work. WWF and TIDE share a common goal of enhancing better energy usage in the villages. With shared knowledge in the Sathyamangalam tiger reserve, we could test a model stove at 1300+ households and identify a working solution for reducing fuelwood usage at the household level; we are also jointly finding solutions to fuelwood usage in commercial establishments. We plan to upscale the effort to at least 10,000 stoves and create an impact at scale.

**R J A Stefan Ajay, Associate Coordinator, Community Engagement, World Wildlife Fund**



Training women in construction of Sarala stove - Surat



DIY stove in Assam



Cooking with PYRO stove - Tamil Nadu



MP stove construction training



Puffed rice unit- Guwahati



Construction of Sarala stove

We successfully completed phase 2 of the 5-year Core Support Program from the Department of Science and Technologies. During this phase, apart from improving on designs of PYRO commercial stoves and Sarala stoves for efficiency and cost reduction. TIDE has also designed bakery ovens, tandoor ovens and specially designed stoves for animal feed preparation.

Thermal energy solutions for the puffed rice cluster and dryers for the food processing cluster have been introduced in 3 states now. Sarala household stoves, PYRO stoves, animal feed stoves and dryers were introduced in the Northeast where it received much praise and appreciation and was accepted quite well by the communities.

Over 500 Sarala stoves were installed in Tamil Nadu, Karnataka and Assam, directly impacting the lives of 2000 beneficiaries through reduced indoor air pollution. Biomass-based livelihoods gained immense traction during this phase with training programs for stove builders, fabricators, masons for dryer construction and food enterprises using biomass energy.

Global imbalance in energy consumption has led to the realization of the need to explore efficient and alternative environmentally sound energy options. Our venture in biomass technologies aims to provide the opportunity for mitigating local and environmental problems of carbon emissions .



Training in Sarala stove construction - Surat



# Gender & Livelihoods



MANINI SHG woman making ragi biscuits



MANINI stall at NABARD Grameena Habba 2022



Women entrepreneurs facilitated on Women's Day

TIDE encourages rural women and youth to become a part of the entrepreneurial world. We empower and train them in marketable skills, to create livelihoods that go beyond gender stereotypes. We have conducted several training sessions in technological and entrepreneurial skills.

Tumkur being the ragi belt of Karnataka was an opportunity to tap into millet snack production. 250 women were trained in recipe standardization, marketing and customizing business plans. Women food entrepreneurs were provided with weighing and sealing scales to pack their food according to food regulations.

We trained 45 SHG women from 4 partners CSO in Tomato value addition through biomass-based driers. 10 champion trainers identified and provided marketing and techno-economic training.

An areca innovation center was established at JNNCE college, Shimoga. We trained 105 members of two CSOs in setting up areca leaf plate units. These enterprises were linked to an aggregate buyer, guaranteeing a step-up in profits. By training and improving access to technology, TIDE helped raise their status in communities, helping them advocate sustainable practices.

Areca entrepreneur working on areca leaf plate unit



Working with TIDE over the years has been a great opportunity to identify and work on solutions to complex social problems. The income augmentation project was well conceived by the team and execution has been meticulous and detailed with presence and understanding of ground realities in the field. The TIDE team has also been very receptive to feedback and nimble to react to unexpected obstacles. The team is well positioned to achieve goals of the project despite challenges caused by the pandemic over the last 2 years.

Anjana Kaul & Mohan Alexander, Lead Partners, SVP – India

We trained 100 queens this year under our leadership program and included them in providing aid and COVID relief to their community during the pandemic. Millet buns were distributed among school children and kitchen garden kits were provided to households across 4 taluks in Tumkur district.

As people from rural settings are generally under-represented in the digital front, we conducted a digital services training camp. Kiosk support and digital training was also provided to youth entrepreneurs. 72 aspiring digital entrepreneurs were trained on common services and laptops and printers were provided to trained entrepreneurs to help kick start their careers for which 50 village-level kiosks were set up.

In continuing our work in strengthening of rural micro and nano enterprises through capacity building at the ecosystem level – we are providing women with the skills and access to innovative technology- improving production, strong market linkages and the opportunity to engage in the production value chain has multiple benefits – on one hand we're completely changing the course of their lives and on the other hand the life of an individual, families and the rural community will enjoy their right to development.



Training in tomato drying using biomass dryers



Training in food entrepreneurship

#### Food enterprises:

450 women trained in technology, recipe standardization, packaging, marketing etc. Avg. annual income of Rs 49,000 earned by women as flexible, part time home based livelihood, with max. of Rs 1,76,000. 64 food entrepreneurs cumulatively earned close to Rs 30 lakhs PA with our training and linkages.

TIDE's rural entrepreneurship program 5,200 people made aware of innovative, technology based, alternate rural livelihood options in Tumkur & Shimoga district 643 rural people assisted in scaling existing enterprises through business plans, linkages 30 youth trained on Micro entrepreneurship

#### Rural Digital Entrepreneurs:

50 trained; 25 Digital kiosks set up Demonstrated annual average income of Rs. 73,000 with max annual income being Rs. 1,22,000 as part time job Annual cumulative income of Rs. 29,58,000

#### Areca enterprises:

Capacity building of 2 CSOs and 2 FPOs in Shimoga in areca enterprises 15 enterprises initiated, 7 in steady state production and demonstrated profit Annual average income of Rs. 4,28,000 demonstrated with maximum income of Rs. 5,30,465 per year



# Integrated Water Management

20,399 people benefited from various activities conducted by IWM.

2 City Municipal councils  
Chikkaballapura &  
Chintamani.

TIDE has been a great partner and has steered the project in a commendable manner, by successfully building & leveraging partnerships and judiciously using project resources. TIDE team is ethical, highly resourceful, goal driven and adaptive, which is evident from their organization's culture and work processes. We hope that our partnership stays as it is and we grow ten folds and even more than that in the future

**Aseem Acharya, Director, Operations, BORDA SA**

The objective of IWM program is to improve people's quality of life by reducing environmental and health risks associated with poor sanitation through improved water supply and sanitation services in small municipalities. In small towns which are growing fast, interventions related to technology use and service delivery capacity for WASH services can have a lasting impact.

Our approach is that water sources, water supply, drainage and wastewater are an integrated system that requires appropriate planning and management to ensure that the water cycle/system can be retained for the future. Effective waste handling and management form an important subset of this idea. In addition to citizen beneficiaries, the program focus is directed to improve living and working environment of Sanitation workers thereby restoring their societal and livelihood dignity.

The program is conceptualized as an innovative process in close association with city municipal corporations, State administration, elected city representatives and the public where a detailed baseline study helps understand gaps, which are solved with appropriate pilot interventions. The pilot interventions then act as a showcase for the state administration to replicate. Capacity building of both the administrators and employees of the corporation is an important part of this process.



Wastewater testing at Chikkaballapura



DEWATS 10 KLD



Floating wetland at Chikkaballapura



Provided an operations and maintenance manual on this WTP plant in Chikkaballapura

We have demonstrated improvement to public sanitation by re-developing 2 toilets as “aspirational toilets” benefitting 400 users daily. Separate training for ward representatives, municipal employees and sanitation workers has benefitted 620 participants. 231 sanitation workers participated in a first-of-its-kind workshop conducted on safety during operations.

In Chintamani which has no perennial water source, IWM aims to create sustainable water security within the present constraints and improve the catchment basin conditions. We implemented two wastewater treatment interventions in Chikballapur that targeted to reuse of treated wastewater which included tertiary treatment with floating wetlands at the existing STP.

Strategies and plans to manage legacy waste have been developed along with capacity building for improved waste collection and safe disposal in both towns. For the sanitary workers colony in Chikkaballapura municipality not having access to the sewage network, a long-term, cost-effective 10 KLD DEWATS was proposed and adopted to manage the wastewater safely.

IWM program has used visual data presentation tools widely for planning and implementation of initiatives in addition to working towards developing a comprehensive web portal for dissemination. Moving ahead the program plans to mainstream some of these initiatives in various forums and work on scaling the pilot ideas as solutions for small-town WASH service upgradation.



STP (Sewage Treatment Plant)  
Chikkaballapura



UGD (Underground drainage) operator  
training



WASH (Water, Sanitation & Hygiene )  
facility site assessment



# Model School Program



Hands on activity during sessions

Our Model School Program helps children become agents of change addressing issues concerning the environment and other civic issues that impact them and the community around them. Eco-friendly interventions in energy, water, and waste management are key components of the program. The program has impacted children, teaching and non teaching staff in Karnataka and Tamil Nadu through 13 partner schools.

One of our main activities is the awareness sessions at our partner schools. The modules we've created focus on conservation, energy, water and waste management and provides the children with knowledge and tools to find DIY (Do IT Yourself) solutions for local problems. Through this program, certain clean technology interventions are also demonstrated on the campus involving the students and faculty.



Eco Warrior sessions



Vermi composting bags for schools



Saplings provided to school

Our long-standing partnership gives me immense pleasure. The partnership continued with the Model School program on 6 schools carefully selected by TIDE. Model School Program has become our flagship program providing a facelift to the partner schools from a sustainability standpoint, and a large opportunity for our staff to volunteer and bring about transformation. It has become an operating model that can be replicated with other schools. Interaction with TIDE management has been very fruitful bringing value to our program from Thought, Execution to impact. Needless to say, without the Field staff of TIDE, this impact would not have been possible. Thank you TIDE.

Gurumurthy Vishwanathan, Head – CSR Citizenship,  
Societe Generale Global Solutions Centre



Plantation drive



Completing a successful year of sessions



Grey water treatment

MSP also conducted 28 activity-based classroom awareness and educational sessions for all its partner schools covering 3 levels – backed by material and activity-based learning. The sessions covered topics on water conservation, energy conservation and waste segregation that are part of a systematic, well-drafted curriculum.

Carbon sequestering, improving nutrition through in-house cultivation, and campus greening were some of the initiatives adopted this year. We've managed to prevent the dumping of 250 tons of waste leading to a reduction in carbon emissions across these schools annually.

Leaf composters with the capacity of 70 tons of leaf litter producing 46 tons of nutrient-rich organic compost were installed. Further, compost pits constructed by us provide 1.8 tons of nutrient-rich organic fertilizer for the schools' gardens. Seeds were sown for an urban forest that will enhance the greenery in the near future to make the school self-sustainable in growing and harvesting vegetables and greens.

The onset of COVID-19 created uncertainty on how we would conduct sessions for students as in-person learning was nearly impossible and at the same time unsafe. With formal and standardized education coming to a pause we needed to find ways to adapt to a new method of interacting with children. We leaned towards online sessions and were able to successfully complete the entire curriculum.

By incorporating CSR initiatives with the MSP program, we have conducted 2 employee engagement activities with an intent to create socially responsible individuals. We also came out with a journal called 'My Green Journey' to ensure that children continue to track their progress as Eco-warriors. 750 of these journals were distributed upon completion of the sessions.

14,420 students benefited from clean tech interventions.  
1,123 students sensitized on environmental education.  
7 clean tech interventions implemented.

13 schools impacted.  
Cumulative power demand reduction of 50% measured in kW.

Rs 78,130 per annum is the estimated cost savings due to reduction in the power demand across 13 schools.



# COVID Relief

In the wake of the second wave of COVID-19, women micro-entrepreneurs based in rural areas of Tumkur, Chitradurga and Hassan districts, lost their income. These women were also supported by TIDE through enterprise facilitation services including training, and access to markets.

Women entrepreneurs were involved in home-based production of food products – ragi and other millet value-added products. Their average monthly profits range from Rs 2,000 to Rs 10,000 and this income played a vital role in the subsistence of their families and in many cases achieving crucial aspirations such as education.

Loss of income due to the COVID surge compounded by the overall downturn in the economy not only brought down their sales but made them completely dependent on agricultural labor. Other than the short-term income loss, this situation has resulted in women slipping out of the entrepreneurial network and resorting to menial labor.

These women entrepreneurs needed to be supported in times of crisis to ensure they do not give up their production and other enterprise activity. We planned and provided support for 3 months to these women and their families enabling them to meet the family's nutritional requirements and reduce expenses on food and communication from their only income source. This provided support to sustain and restart their enterprises as things returned to normal.

It was decided that this group of 75 women entrepreneurs would be supported through the provision of a grocery and sanitation kit worth Rs. 1000 from May 2021 and one-time mobile recharge worth Rs 399.

The grocery and sanitation kits we provided were designed to include basic groceries, toiletries, and reusable masks along with nutritious millet-based food items such as ragi malt, ragi hurihittu and ragi butter biscuits. Their mobiles were recharged, giving them unlimited talk time so that they could receive orders for their products and services and carry out business.

An additional 200 kitchen garden kits were distributed among 10 rural women ( 20 kits each) as part of an initiative to build community resilience and food security during health emergencies.



Grocery kit items



Handing over kits to women entrepreneurs



Handing over sanitizer dispenser stands to schools



Grocery kits distributed to remote locations using local transport facilities

We collaborated with police and local administration to ensure smooth transport and delivery of grocery kits during the lockdown period. Women entrepreneurs, Queens and youth who were a part of the TIDE network in rural areas were designated as point persons for coordinating the distribution activities at the village level.

Our networking ensured that the grocery kits reached the beneficiary's doorstep as part of their volunteering activity. We were able to save on transportation costs. The vendors providing provisions for the kit offered free packaging labor, increasing our savings. This resulted in an excess of Rs. 19240 left from the packing and logistics budget. The excess amount was utilized to provide 8 sanitizer dispenser stands (@ Rs. 1918 per dispenser + transport) to 5 government schools in rural Tiptur and Chikkanayakanahalli talukas.

With government schools preparing to reopen soon, the sanitizer dispenser stands helped the staff and students follow COVID-appropriate behavior. TIDE also distributed 9600 millet buns among 600 school children for 16 days to improve their nutritional intake and spread awareness on millet-based snacks.



# Beacons of Hope

## TIDE trained food entrepreneurs



Shashikala and Basavaraj

Shashikala and Basavaraj hail from Hagalvadi village in Gubbi taluk. They come from a farming background. They used to sell horse gram in Tumkur city pre pandemic after which she started making horse gram papad at home and Basavaraj would sell it at the village market. During one of TIDE's entrepreneurship awareness programs in Kondli village with 6 entrepreneurs, we met Mr. Basavaraj. We asked him if he could support these 6 women entrepreneurs, providing market connections. Today with a diverse range of products being made by women entrepreneurs ranging from ragi, papad, chakli and pickles. He sells to local markets, earning 600 rupees per day. TIDE is supporting Shashikala and Basavaraj by providing weighing and sealing machines. As part of the ALSTOM project, we are training more women in food entrepreneurship and connecting them to Mr. Basavaraj.

## Supporting two municipalities to clear 44,000 & 42,000 MT of Legacy waste

Both Chikkaballapura and Chintamani have legacy waste which has accumulated in a dumpsite for more than 15 years causing an increase in health and environmental risks to residents in its vicinity.

To assist both CMCs, TIDE conducted a preliminary assessment of the dumpsite based on primary research and secondary data available, including an evaluation of available clearing and treatment mechanisms (infrastructure, manpower and finance). Physical characterisation and quantification of waste at the dumpsite were carried out. A technical report provided three suitable options, with the tentative cost for implementation, operations, and estimated timeline. Both CMCs have initiated the clearing of the legacy waste dumpsite based on the recommendations provided by TIDE.



Legacy waste management study

## Innovative water softening technology

In FY 21-22, under the Model School Program, we undertook a water-related intervention at a Jawahar Navodaya Vidyalaya rural school. This is a rural residential school with a water demand of 1.2 lakh liters/day. The school relies on bore well water for its daily consumption and activities. The water quality testing conducted during baseline assessment at JNV rural indicated values of total hardness and total dissolved solids over than acceptable limits.

This problem was unsolved for 30 years since the school's inception.

EMF-based descaling solution was planned. As part of the water intervention, anti-scaling system was installed at the main water source, at the boy's dormitory. It is expected that with time, even some of the present plumbing lines will open up. The users have expressed that they find the taste of water to have improved after the installation.

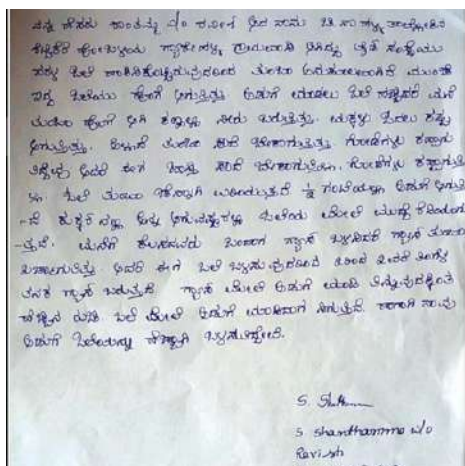


Water softener installed on campus

## Improved cooking conditions in individual households

Shanthamma belongs to a family that is dependent on agriculture for its survival. She manages a household of 4 members and cooks all their meals. Shanthamma says "The old stove used to create lot of smoke and blacken the walls of the kitchen."

"My children were finding it difficult to study when I would cook. Cooking was a painful task as my eyes were always watering due to the smoke. I needed to fetch wood at regular intervals. After constructing the Sarala stove, the kitchen has become smoke-free, and requires lesser physical labor."



Shanthamma and a hand written letter by her



# Testimonials



By working with TIDE, we have diversified products due to training and support they have been offering. TIDE has provided all kinds of equipment support like papad rolling machines, chikki making machine, that we use for free and supported us in obtaining FSSAI certificate and packaging and labelling support. All of us, in our SHG are grateful to TIDE for their support

Sumathy, VV Puram SHG

I had always wished to start online services in my village. TIDE's training for digital entrepreneurs has helped make that dream of mine come true. The training they provided during, and they aid post training really helped me establish the business. What TIDE has been doing is very important in terms of training aspiring entrepreneurs like myself.

Chetan (Digital Kiosk Trainee)



It is a wonderful journey with TIDE and glad to see such a committed team. Feels like we have an extra hand for our WASH interventions.

Mr Lohith M, Commissioner, Chikkaballapura CMC

After TIDE installed the water softener, there was such a drastic change in the quality. Thank you so much for making the effort and installing the softener. There are so many other facilities provided by TIDE but this is one of the main contributions that has had such major impact by providing quality water to the entire campus.

Indu Mohan, Librarian at JNV Rural





When I joined as Principal in the year 2015 June, we faced many challenges with the water quality. Due to the hardness of water and silt deposit, our pipes needed to be changed frequently. But now after TIDE's intervention in installing a water softener, we are comfortable and happy with the quality of water. Pipes are not being changed as often and we can tell the difference in the quality of water for which we are very thankful for TIDE's intervention.

**R Chakravarthy, Principal, JNV Rural, Doddaballapur,  
Bangalore Rural District**

We had the funds but did not have a proper plan or technical assistance to back it. Now with TIDE's support, we could see so many activities where we can invest to benefit the citizen and properly allocate the funds.

**Mrs Rekha , President, Chintamani**



We thank TIDE for being a part of the training and orientation of staff about the Sarala model and the use of other equipments in clean cooking for ICS (Innovative Cooking Stoves)

**Lavrez Chaudary. Project Manager, CARE India**



# Board Members



A.N Jayachandra



Gopi Venkataraman



Hari Natarajan



Dr. Shailaja Rao



N.V. Krishna

We are saddened by the sudden demise of our board member Mr NV Krishna. NVK was an engineer, associated with several technology-driven organizations as a guru including TIDE. He was our Chairman for close to a decade and continued to be mentor our team in project management till his last days .Very well regarded among his peers, he lived his life with a quiet dignity, respecting every individual he came across. We will miss him.



Sumathy Krishnan

# General Body Members



Bithi Agrawal



Dinesh Kagathi



Dr. Hoysala Chanakya



Dr. Rajagopalan S



K. Ravichandran



Sampath Kumar



Sonali Srivastava



Sreekanta Swamy



Sruthi Krishnan



Svathi Bhogle



Vinod Vyasulu



Vishwanath S

# Hear from the Team



"As an admin official I experienced personal growth alongside TIDE's progress and the noble work it continues to do".  
Anuradha Nagaraj  
Administration



"Infra projects have opened doors to interactions with government officials & civil contractors making for great exposure and learning."  
Arjun Kumar, IWM



"This past year, I've been involved with multiple projects at TIDE. This has definitely trained and enhanced my organizational skills."  
Balaji Rao, MSP



"Conveying the message of sustainable living and encouraging children to become Eco-warriors in their own right has been my biggest takeaway from TIDE."  
Dheepak Kumar, MSP



"Working in the WASH sector feels like we are contributing to the global mission: safely managed sanitation and clean water for all."  
K S Ganashree, IWM



"Going into audits for an international agency, I was fairly new to both post and program. But I successfully cleared the year's audits and consider it a standout experience and a moment of growth."  
C J Jaswanth, IWM  
(Finance)



"TIDE has provided me with multiple opportunities to develop new skills and further, put those skills to work."  
Jyothi T.B, G&L



"Over the past year, planned implementation and effective training methods have been my biggest takeaway."  
H C Manjunath, G&L



"On working closely with the Kandawara community, I became aware of not just problems they faced but also the opportunities to create change."

Naveen Kumar, IWM



"I got to learn about new technologies in the field, the impact of biomass on the environment and how the process of testing has evolved over time."

Nishanth K, Biomass

"My journey at TIDE this last year, has been challenging due my new role in Skilling & Livelihood. It has only made me learn more in terms of project management and understanding the funders perspective and community sensitivity"

Kiran Bhagavatula, G&L



" Got an opportunity in this prestigious organization. I am scaling the ladder along with the success of TIDE."

Pramod Deshpande, Accounts

"Working with TIDE has encouraged me to create ideas from the challenges we face everyday working on rural projects."

Rangaswamy G, G&L



"This past year, my biggest takeaway was gaining a complete understanding about FCRA regulations."

E S Rathnakara Accounts

"Working in rural areas and among tribal people has helped look at every problem as an opportunity to improve from a rural standpoint ."

.

Roshan Bazil, Biomass



"My team works closely with schools and children, in bringing about changes impacting SDGs. We witness a continuous & positive change, and this gives me immense pride and motivation ."

Shankar M, MSP

"The challenging times during COVID proved the resilience of the organization. It helped me improve my communication, time management and resource management skills."  
Shruthi R, MSP



"Thanks to TIDE, in the past year I have been able to empower a number of women by providing them with technical and marketing support"  
A S Shilakumari, G&L

"Very grateful to TIDE for giving me the opportunity to explore my interest in communications. I owe so much to the entire team for mentoring me from day one and nudging me in the right direction."  
Sitara Ayanna,  
Communications



"Being a mentor to the Skilling and Livelihood team has been a very satisfying experience. Everyday brings minor challenges for the team and I am happy to be a part of helping them cope with it. One major challenge was to keep the team coordinated; glad that we now have good teamwork and motivation. "  
Sunil Patil, G&L



"Gratified to work on projects benefiting under served communities. The additional responsibility of handling operations exposed me to other projects and gave me a deeper awareness of the challenges communities confront."  
Santhosh Cibi,  
Deputy Director



# Our Patrons

## Gender & Livelihoods



## Integrated Water Management



## Model School Program



Funder who wishes to remain anonymous

## Biomass Technologies





## INDEPENDENT AUDITOR'S REPORT

To,  
The Members,  
**Technology Informatics Design Endeavour,**  
Bangalore

### 1. Opinion

We have audited the accompanying Financial Statements of **M/s. Technology Informatics Design Endeavour**, which comprise the Balance Sheet as at 31<sup>st</sup> March, 2022 and the Income and Expenditure Account for the year then ended and a summary of significant accounting policies and other explanatory information.

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 31<sup>st</sup> March 2022; 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;

### 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. 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

UDIN: 22203414AMPUPQ6281

Place: Bangalore

Date: 29.06.2022



**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, 2022	As at 31st March, 2021
		In Rupees	In Rupees
<b>SOURCE OF FUNDS</b>			
Corpus - Award	1	7,36,970	7,36,970
General Fund	2	1,33,82,981	1,20,91,741
Entrepreneur Development Fund [EDF]	3	9,77,724	12,72,645
Staff Welfare Fund [SWF]	4	6,75,711	6,73,323
<b>Total</b>		<b>1,57,73,386</b>	<b>1,47,74,679</b>
<b>APPLICATION OF FUNDS</b>			
Fixed Assets	5	10,76,245	11,60,086
Current Assets			
- Advances & Deposits	6	5,01,700	3,01,700
- Receivables	11	5,62,931	1,79,663
- Fixed Deposit with Bank	7	1,10,23,385	1,47,79,072
- Other Current Assets	8	19,58,244	7,28,390
- Cash & Bank Balances	9	46,75,605	71,54,124
Total (A)		1,87,21,865	2,31,42,949
Less: Current Liabilities			
- Sundry Creditors	10	1,37,466	1,75,306
- Unspent Balances	11	38,87,258	93,53,049
Total (B)		40,24,724	95,28,355
Net Current Assets C = (A-B)		1,46,97,141	1,36,14,594
<b>Total</b>		<b>1,57,73,386</b>	<b>1,47,74,679</b>

*Refer our Report of Even Date*

**For MSSV & Co**

**Chartered Accountants**

**FRN 001987S**

**For Technology Informatics Design Endeavour**

**Ravi Prasad**  
**Partner**

**M No.203414**



**Hari Natarajan**  
**Chairman**

**A.N.Jayachandra**  
**Secretary**

**Sumathy Krishnan**  
**Executive Director**

**Place: Bangalore**

**Date: 29-06-2022**

**Place: Bangalore**

**Date: 29-06-2022**



**INCOME & EXPENDITURE ACCOUNT**

Particulars	Schedule No.	For the year ended 31st March, 2022	For the year ended 31st March, 2021
		In Rupees	In Rupees
<b>INCOME</b>			
(A) Project grants	11	28,925,927	28,791,060
Add: Interest earned on project grants	11	237,555	227,623
Unspent balance b/f from previous year	11	8,848,338	6,066,802
Less: Unspent Balance at the end of the year	11	3,251,848	8,848,338
		34,759,972	26,237,147
(B) Donations received	11	167,084	731,936
Add: Unspent balance b/f from previous year	11	325,049	11,950
Less: unspent balance at the end of the year	11	72,479	325,049
		419,654	418,837
(C) Other income			
- Overhead recovery	11	1,130,151	1,397,449
- Usage of TIDE facilities	11	145,633	311,138
- Interest received		532,971	491,095
- Miscellaneous income		150	-
- Admin cost of sarala stoves		2,400	2,800
- Other Admin cost recovered		60,850	-
(D) Service income	11a	2,658,971	702,900
<b>Total Income (A)</b>		<b>39,710,752</b>	<b>29,561,366</b>
<b>EXPENDITURE</b>			
(A) Project expenses during the year	11	34,759,972	26,237,148
(B) Donation related expenses	11	419,654	418,837
(C) Administration expenses			
- Secretariat expenditure	12	1,913,987	1,430,365
- Depreciation	5	91,493	93,723
(C) Expenses Against Service Income	11a	1,233,005	601,917
<b>Total Expenditure (B)</b>		<b>38,418,111</b>	<b>28,781,990</b>
Excess of income over expenditure for the year carried to Balance sheet	C = (A-B)	1,292,641	779,377
<p>Refer our Report of Even Date For MSSV &amp; Co Chartered Accountants FRN 001987S</p> <p>For Technology Informatics Design Endeavour</p> <div style="display: flex; justify-content: space-between;"> <div> <p>Ravi Prasad Partner M No.203414</p> </div> <div> <p>Hari Natarajan Chairman</p> </div> <div> <p>A.N.Jayachandra Secretary</p> </div> <div> <p>K. Sumathy Sumathy Krishnan Executive Director</p> </div> </div> <p>Place: Bangalore      Place: Bangalore Date: 29-06-2022      Date: 29-06-2022</p>			

**TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR**

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

**RECEIPTS AND PAYMENTS ACCOUNT**

Particulars	Sch. No.	For the year ended 31st March, 2022	
		In Rupees	In Rupees
<b>RECEIPTS</b>			
<b>Opening Balance</b>			
- Cash on Hand	9	4,317	
- Cash at Bank	9	71,49,804	71,54,121
<b>Project Receipts</b>			
- Grant - Specific Projects / Programmes	11	2,90,40,417	
- Donations	11	1,67,084	2,92,07,501
- Service Income		11,81,236	11,81,236
<b>Overhead Recovery / Receipt - Per Contra</b>			8,02,946
<b>Usage of Facilities Recovery / Receipt - Per Contra</b>			-
<b>Interest Received</b>			
- Interest on I.T refund		26,130	
- FD interest		4,31,826	
- SB interest		14,080	4,72,036
<b>Recoveries</b>			
<b>Travel / Project Advance Recovery</b>			
- Staff/ Entrepreneurs and others		19,67,727	19,67,727
<b>Salary Deductions - Recovery</b>			
- Professional Tax		70,600	
- Provident Fund		12,05,223	
- SWF Loan		1,18,997	
- Gratuity		2,13,932	16,08,752
<b>Other Recoveries</b>			
- TDS Recovery (Consultants/Contractors)		-	11,36,824
<b>Other Receipts / Refunds</b>			
- Interest Receivable on F.D (Receipt)		50,293	
- TDS refunds		3,40,660	
- Receipt of Outstanding		-	
- Received from Projects		1,400	
- <b>Fixed Deposit - Withdrawal</b>		-	
- NON-FCRA		79,00,000	
- FCRA		12,00,000	94,92,353
<b>Other Misc Income</b>			
Other miscellaneous income			150
<b>Entrepreneur Development Fund (Receipts)</b>			62,075
<b>Staff Welfare Fund (Receipts)</b>			1,75,205
<b>Total</b>			<b>5,32,60,926</b>



*[Handwritten signature]*

*[Handwritten initials]*

*K. Sumathy.*



<b>PAYMENTS</b>			
<b>Project Expenditure</b>			
- Specific Projects / Programmes	11	3,45,21,231	
- Donation related expenses	11	3,64,037	3,48,85,268
<b>Secretariat Expenditure</b>			
			23,74,624
<b>Travel / Project Advance</b>			
- Staff		6,43,608	
- Entrepreneurs /Others		22,81,601	29,25,209
<b>Deposits</b>			
Fixed Deposit			
- NON-FCRA		40,00,000	
- FCRA		12,00,000	
- EDF		-	52,00,000
<b>Salary Deductions - Remittance</b>			
- Professional Tax		70,200	
- Provident Fund		11,92,888	
- SWF Loan		1,27,257	
- Gratuity		61,588	14,51,933
- TDS - (Consultants / Contractors)		12,46,101	
- TDS - Grantors / Bank		43,331	12,89,432
Entrepreneur Development Fund			3,61,477
Staff Welfare Fund (Payments)			1,36,340
Inter office Accounts			(46,611)
Fixed Assests			7,650
<b>Closing Balance</b>			
- Cash on Hand	9	2,104	
- Cash at Bank	9	46,73,500	46,75,604
<b>Total</b>			<b>5,32,60,926</b>

Refer our Report of Even Date

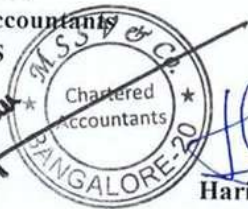
For MSSV & Co

Chartered Accountants

FRN 001987S

For Technology Informatics Design Endeavour

Ravi Prasad  
Partner  
M No.203414



Hari Natarajan  
Chairman

A N Jayachandra  
Secretary

K. Sumathy  
Sumathy Krishnan  
Executive Director

Place: Bangalore

Date: 29-06-2022

Place: Bangalore

Date: 29-06-2022





Technology Informatics Design Endeavour (TIDE)  
A Science and Technology NGO



FF-1, Sapthagiri Apartments, No. 30, 10th Cross,  
15th Main Road, RMV Extension, Sadashivnagar, Bengaluru - 560080

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