Collaborating to Spur Change SEEDS SEEDS Annual Report | 2019-2020





Keynote by Founders

Dear Friends,

It's been a challenging and interesting year of collaborating to spur change. For as risks grow more interconnected, we too must find ways to nuance our approaches. That's why it has also been a year of strengthening our approach to using technology for social good.

Unfortunately, there was no respite in the string of rapidly normalising 'unprecedented' events. Cyclone Fani devastated Odisha. Massive monsoon rains hit a still recovering Kerala; and left wreckage in Maharashtra, Karnataka and Bihar.

As we swiftly responded to new emergencies, we continued to serve those who have faded from the headlines – including tribal families left without a home since Cyclone Gaja last year and children still studying in damaged classrooms in J&K. Our flagship school safety programmes in East Delhi continued and we expanded the highly appreciated model to Uttarakhand. It continues to re-define corporate partnerships for risk reduction as we tailor solutions to each of the 150 schools with which we are working.

Our initiatives on integrated risk management saw traction in panchayat development plans, a positive step to building harmony between people and their environment.

As we enter a new decade, SEEDS has also been evolving its strategic direction for 2030. Building on our work over the last 25 years, we seek to serve the bottom 1% of those most vulnerable to climate emergencies. To carry out this urgent task, we realise we cannot do it alone. In the last one year, SEEDS has invested in building partnerships with Government, expert institutions and grassroots organisations across the country aligned to our shared objective.

The challenges only grow increasingly vast. As this year draws to a close, we face the danger of COVID-19; a national lockdown; and the imperative to swiftly pivot our programmes to continue serving those most in need.

With warm regards,

Manu Gupta and Anshu Sharma Founders, SEEDS







VISION

Transforming the vulnerable into resilient and thriving communities

MISSION

Equipping the most vulnerable with appropriate tools and technologies, sharing knowledge and skills and promoting linkages among stakeholders to prevent loss of life and suffering.

STRATEGY 2030

SEEDS' 2030 strategy is dedicated to enabling the bottom 1% of those vulnerable to climate emergencies – helping them withstand it, secure their future potential and thereby that of the larger community. They will live in safer homes, go to safer schools and access safer health facilities. Through a growing network of partners and young ambassadors, we aim to work in 100 identified districts.

Certifications & Alliances

SEEDS is certified by and is a signatory to:

- The Code of Conduct for The International Red Cross and Red Crescent

 Movement
- Core Humanitarian Standard (CHS) an international certification system for quality and accountability in disaster relief
- Charities Aid Foundation (CAF)
- GuideStar India
- Credibility Alliance
- Give India

We are members of and allied to:

- Alliance for Adaptation and Disaster Risk Reduction (AADRR)
- Asian Disaster Reduction and Response Network (ADRRN)
- Active Learning Network for Accountability and Performance (ALNAP)
- Climate Action Network (CAN) South Asia
- The International Council of Voluntary Agencies (ICVA)
- The Network for Empowered Aid Response (NEAR)
- The Global Network of Civil Society Organisations for Disaster Reduction (GNDR)
- Start Network and also a member of India Hub of the Start Network
- SPHERE Global Network
- Sphere India
- Owner Driven Rehabilitation Collaborative (ODRC)
- Voluntary Action Network India (VANI)



OUR APPROACH AND WAY OF WORKING

SEEDS enables community resilience through practical solutions for disaster readiness, response & rehabilitation - grafting innovative technology on to traditional wisdom. We empower the poorest and the most vulnerable to build a better future. SEEDS works with both disaster-affected and at-risk communities. We do this in a long-term and interconnected manner – in peacetime, before, during and after a disaster. Our attention is on the most vulnerable and marginalised families. Within our broad areas, specific programmes focus on safer housing, schools & community infrastructure; water & sanitation; the environment; health – all with an ecosystem approach.

Education in safe learning environments

Among the most affected in disasters are children. Globally statistics reveal children getting disproportionately affected by disasters. Our work in ensuring safe societies starts by ensuring safe learning environments. As schools play a pivotal role in local communities, we support schools that enrol students from the poorest sections of the community, in ensuring their safety and securing. Much progress in India, following Honble Supreme court's judgement that has made safety precautions and preparedness compulsory for all schools in the country. SEEDS works with State Governments in carrying out the safe school measures and provide necessary training and awareness to school going children, parents, teachers and management.

Humanitarian Response

When disasters strike, affected communities require immediate assistance. SEEDS tailors every response to the need on the ground. We help with emergency tents, early recovery housing and kits of essential items. In cases where schools are damaged, temporary learning centres are established to help continue education. Major water sources are cleaned and repaired. SEEDS also sets up roving medical camps to provide remote populations with immediate health services.

Building Back Better

The reconstruction process is not just to restore what was lost, but to create a better and safer life than before. SEEDS partners with survivors to rebuild their homes, schools and community infrastructure; and to address ecosystems around these. The quality of those buildings is upgraded through relevant disaster reduction techniques. Sustainability lies at the heart of our design process using cultural norms, environmentally-friendly features and local materials. Where possible, buffer plantations and nature-based solutions are incorporated into the larger programme. We strive to leave behind skillsets, not just infrastructure. Our programmes incorporate the training of local construction workers on retrofitting and safe construction practices. School safety or community preparedness trainings are added. Awareness campaigns on safe water, sanitation and hygiene practices are put in place. SEEDS also works closely with local governments on larger reconstruction planning processes. Together, these varied strands embody the spirit of building back better.



Reducing Future Risk

Disaster risk is not always seen or acknowledged. India has communities where disasters are an annual occurrence and others who have no collective memory of the last emergency. SEEDS works with both sets of communities to be better prepared for future disasters and reduce overall risk. It starts with assessments, planning and training. We also support governments and communities on their contingency and early warning plans.

Environmental sustainability and resilience

Unsustainable environmental practices are often the root causes for both slow onset disasters or catastrophic climate related events. The poorest with high dependency on natural resources are the most impacted. Each silent risk (e.g. air pollution) or stresses such as access to clean water adds to their vulnerability. We help communities find ways to solve or better withstand their daily risks. Finally, dealing with climate emergencies requires changes in how we interact with nature. In addition to schools, we work on practical environmental and adaptation initiatives. From nature-based solutions to managing financial risk; from mitigation strategies to adapting livelihoods. Each of these is tailored to the area's ecology, needs and strengths

SEEDS is an active member of the Asian Disaster Reduction and Response Network (ADRRN) and serving as its localisation hub, this year we worked on a special publication for the ADRRN Annual General Meeting. The Face of Disasters 2020 was a practice brief for civil society. It explores the myriad changing realities in Asia-Pacific from the shifting profile of hazard risks to new hotspots and growing restrictions to civil society.

It asks the question, against this backdrop, how can civil society best bring value to at-risk communities? The brief suggests eight emerging areas of engagement for civil society and humanitarian agencies.

Face of Disasters 2020: Building a resilient and sustainable future amid changing realities in Asia-Pacific can be accessed at www.seedsindia.org/FaceofDisasters



SEEDERS Retreat 2020

Our 26th anniversary brought together 101 SEEDERS from across the country! It was a time to switch off – no wifi or cell phones. Tents, natural beauty and an endless array of outdoor activities meant no one minded much. The wilderness of Camp Kyari Syat in Nainital, Uttarakhand, provided the perfect backdrop to a special Disaster Simulation activity, a live play that brought in all the various departments and stakeholders in a post-disaster situation.

The core of the retreat centred around finalising and absorbing the new 2030 strategy. SEEDS' founders Anshu and Manu shared their collective vision and target that they foresee for the coming

decade. The extreme climate events in the last couple of years and severity of the emergency requires focussed attention on the most vulnerable communities, including migrant populations, who often do not have the knowledge and resources to deal with it. Considering this, the new strategy has a focus on enabling the bottom 1% of those vulnerable to the climate emergency.

Exemplifying Greta Thunberg and her spirit, SEEDS' young pillars of 30 under 30 were also announced, those who will take the baton forward and be the agents of change!



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Honeywell Safe Schools

Students learn better when schools are safe, secure, happy and comfortable. Honeywell Safe Schools is a holistic school safety programme that is built on SEEDS' child-first approach to risk reduction. It empowers children to become change agents for building resilience in their communities.

In a place like East Delhi where myriad daily stresses and disaster risks coincide, a holistic school safety initiative was required. One that went beyond the confines of the school compound to ensure children go to school without fear, remain safe in school and return home safely! The programme extended to Dehradun and Haridwar districts in Uttarakhand this year, areas which face high seismic and flood risk and extreme difficulties for children to get to school. Designed to bring a tailor-made approach to each school's unique challenges, the implementation differs in each of our 150 intervention schools. However, each looks at different facets of safety and security including:

- Developing detailed disaster management plans and early warning systems for each school
- Strenghtening the School Management Committee and getting other key stakeholders involved
- Forming task forces for students to take the lead on fire safety, first aid, search & rescue, and water, sanitation and hygiene (WaSH).
- Preventing loss from falling hazards: As highly earthquake prone zones, understanding and addressing non-structural mitigation was a key component
- Making the environment of the school more child-friendly through small design changes
- Running campaigns on environmental risks particularly heat stress and air pollution
- Looking at safety on the road and other risks in the neighbourhood
- Behavioural campaigns on water, sanitation and hygiene

EDUCATION: SAFE AND HAPPY AT SCHOOL

Nurturing the youngest and most dynamic safety champions – school children



Highlights from Delhi and Uttarakhand this year

In this year alone, the programme has been able to build preparedness capacities of 11,742 children, 759 teachers and 2,002 parents in Uttarakhand. In Delhi (the third year of our programme here), we reached an additional 5, 908 children, 1,290 teachers and 3,011 parents/SMC members.

Safe Schools Carnival in Uttarakhand

In October 2019, a 'Safe Schools Carnival' was organised at Shri Laxman Vidayalaya Inter College PatthriBagh, Dehradun, Uttarakhand. Children from schools across the area engaged in fun activities to expand their understanding of risk and safety through interactive games.

The event brought together over 700 participants including 500 children, 47 principals and teachers, media and 14 key government dignitaries including Mr. Mukul Kumar Sati, Additional Director School education, Mr. Sunil Uniyal Gama, Mayor Dehradun, and Mahant Dileep Singh Rawat, MLA Lansdowne. Hon'ble Trivendra Singh Rawat, the Chief Minister was particularly impressed with the efforts.









Recognising School Safety Champions in Delhi

On 17th December, 2019, over 150 people came together in Delhi to felicitate school safety champions. The event recognised individual parents and community members who had taken a proactive role in inspiring others. It also felicitated six champion schools that have seen the most impact during the Safe Schools programme, helping transform mindsets and behaviour. The event was an occasion to recognise some of the valuable contributions in this mission of creating a culture of safety.











Developing a 360-degree understanding of disaster management is very important in our city, especially in unauthorised colonies and slum areas. The need to educate children about disaster, not just limiting to their schools, but even at homes, and in their daily lives is very important.

Shri Manish Sisodia Deputy Chief Minister, Delhi





Child friendly-learning environments

Child-friendly learning environments (CFLE) have been developed in each of the intervention school in Delhi. These indoor and outdoor interactions vary from school to school and each game serves different purposes. For example, wave structures are helping children develop cognitive skills. An interactive carbon footprint calculator helps children understand and take measures to reduce their footprint. A tactile clay and storytelling corner tell the tale of birds and animals that have gone missing in the city. Dancing totem poles are painted with different colours, representing different emotions and allow children to engage with their emotional self. Jam Pads use plates, buckets, pedal drums and pipes of different sizes to create a space for children to create music and be creative. Other activities are enhancing geography skills and helping break gender stereotypes.

Along with installations, commonly known games such as snakes and ladders decorate the walkways and warm artwork brightens the walls. Together, these are all having a tremendous role in improving learning spaces. While workshops on the tools were conducted with each school, a user manual of each CFLE was also developed. This details how it should be used, maintained and cared for over time.

Barometer Portal

Testing is under process on an online monitoring platform. The barometer (https:// honeywellsafeschools.seedsindia.org/) helps to measure the growth and expansion of social and technical interventions in the schools. Based on 15 essentials of school safety, each school can see their scores on various social and technical parametres scored from 1-5.

Vertical Gardens

Vertical Gardens have been installed in three schools in Delhi. The main purpose of the gardens are to utilise the waste products such as food, fruits and leaves. These can be decomposed in the composter which will grow plants in turn. This was a need that emerged from the customised themes of the schools.

Making children feel protected

Initiatives around sensitisation and strengthening of child protection form a key part of this initiative. Art-based therapy, theatre and drum circle sessions are helping children overcome fear and speak up against abuse and violence. Such activities provide safe spaces to help children express themselves.





I take pride in bringing my guests and visitors to the location where SEEDS team members have installed the Snake and Ladder game (Child Friendly Learning Environment component) along with many others. The appreciation I gather from them inspires and motivates me to keep working with SEEDS Honeywell.

Ms. Manju Shami, Principal, RSKV West Vinod Nagar, East Delhi



COVID 19 interventions in Uttarakhand

The COVID 19 pandemic also brought about the realities of lockdown suffering, including impoverishment, hunger and spikes in domestic violence. SEEDS began relief operations in the second half of March across Dehradun and Haridwar, reaching out to migrants, labourers and other daily wage workers with ration kits to help them cope. The team worked closely in coordination with the district administration, police department, partner organisations and the nodal COVID response officers.



Small Act, Big Impacts: Eco-Retrofitting at Delhi Schools

How can we understand the impact that we are having on the environment? Climate change has become one of the major challenges of the 21st century. There is a vital need for adaptation of the built environment to reduce the effect of changing climatic conditions. Eco-retrofitting is essentially improving building structures and components to reduce the carbon footprint of the building.

Promoting awareness and capacity on ecoretrofitting can help change behaviour!

We worked in twelve New Delhi Municipal Council (NDMC) schools to develop a model for calculating carbon footprint based on the functions of the school. Baseline surveys were conducted on six carbon intensive areas (energy, water, waste, transportation, building and food) with the help of NDMC authorities, school staff and their eco clubs.

Carbon footprints and per capita carbon emission of each school were then calculated

with the help of global tools and emission factors. Using this model, school-specific interventions were proposed around solar energy, water purification and solid waste management. Each proposal was accompanied with a calculation of how much their carbon footprint would reduce.

This year, we implemented these interventions in two schools. Vertical garden composters are helping to reduce degradable waste. Automatic on-off sensors for water storage tanks and installation of water filters are helping reduce water wastage. In fact, just these two can reduce 2.5 kg of CO2 per tap! Heat reflective paint coating were applied that can bring roof temperatures down by up to 20°C.

Some school administrations have even taken the initiative to replace all fluorescent bulb into LED lights.

School authorities and eco club in-charges have shown keen interest to integrate proposed solutions as part of their club activities. These activities have a gradation system which gets calculated in their final results. No such tool was available for Indian schools so far. It's a first step towards carbon neutral schools!





You don't see solar panels at an EDMC school every day. On a hot summer day when there are electricity cuts, it was hard for us to teach and even harder for students. Now that we are producing solar electricity of our own, we don't have to worry about that.

The heat reflective paint is also very helpful in reducing the heat intensity inside the class. I am considering doing this project at my house too.

Mr. Santosh, extra-curriculum teacher EDMC Railway Colony, Mandawali, East Delhi



PIRA Project: Studying handwashing in schools

According to the World Health Organization (WHO) mortality data, South Asian countries are highly vulnerable to water, sanitation, and hygiene (WASH) -related diseases in children, with India ranking highest in the prevalence of diarrheal diseases.

Children are often targeted for hygiene behaviour as good habits carry over into adulthood. This school-based intervention was to improve hand hygiene with the main emphasis being on hand washing with soap.

It builds on a large network of public schools established via the ongoing Safe Schools Programme in East Delhi. The programme has enrolled 300 children from six EDMC schools. The selected schools have been randomly assigned to the three study groups (A, B and C) using computer generated allocation sequences. Group A schools receive educational interventions with additional input from the teachers. They are also told about bacteria risk in contaminated water and hands. Group B schools receive only risk of exposure information about bacteria, whereas group C schools will not receive any education. No changes to allocation are being made after randomisation.

This year, we have reached out around 2,786 children, 26 teachers and 300 parents through the project intervention in the four EDMC schools.

Educating communities in disaster preparedness: Disaster Information Volunteers

Disaster data is often limited at the local level. Smaller disasters are left out and even within a large emergency, there are areas that go unheard. In fact, the lack of accurate and timely hyper local disaster information for disaster management authorities can lead to much higher loss of life and assets. The question was how do we begin bridging this gap?

SEEDS is working in partnership with National Disaster Management Authority (NDMA) on a Disaster Information Volunteers (DIV) programme. The idea is to have trained and verified volunteers in every district who provide information on the disasters occurring in their area. The data is logged in a simple and easy-to-use mobile app which goes to the NDMA officer in charge of the area with the aim that timely action can be taken, as needed. The pilot phase began this year, working across the 13 districts in Uttarakhand.

The AAPDA FI (Disaster First Information) is an application that can be downloaded by a large number of community level volunteers using their smart phone. It allows them to log first-hand information on the type of disaster, estimated losses, current relief status, along with photos and the specific time and lat/long location.

Every log is directly sent by the app to the central command centre. Triangulated together, the chronology provides a near real-time local area status for immediate intervention and help in reduction of disaster impact.

The 132 Disaster Information Volunteers (DIVs) themselves come from all walks of life. Each one has been vetted, registered by the Disaster Management Authority and comprehensively trained on using the app. This citizen-based and community- driven application is the first of its kind in the Indian disaster management sector.



Educating local CSOs on Community-Based Disaster Risk Management

How do we support the scale out and institutionalisation of sustainable community based disaster risk management?

This programme aims to identify the enabling environment required; building the capacity of actors to work/ together to put these building blocks in place. It aims to increase commitment for scaling community-based disaster risk management.

This year, we kicked off April with a National Training Course on Institutionalised Sustainable Community Based Disaster Risk Management (CBDRM). The activity endeavoured to hone capacities on local CBDRM; and to strengthen relationships between CSOs and the local government.

In India, two national training workshops were conducted in Bihar and Uttarakhand respectively. The 29 participants in the Bihar workshop were drawn from active organisations and local governments. Officials from Bihar State Disaster Management Authority (BSDMA) also participated in the workshop. The 30 participants in the Uttarakhand workshop came from the state as well as Himachal Pradesh.

Participants were selected based on their exposure to working on community based disaster preparedness. At the end of each workshop, the group discussed next steps. The consensus was the importance of working together as a sector. The programme also promoted good practices from around the world at the sixth Session of the Global Platform for Disaster Risk Reduction (GP2019). This included SEEDS' sharing of the case study 'Trans Border Approaches: Towards Flood Risk Management'. It strongly advocates establishing cross-border community based early warning systems between communities in Nepal and India.



RELIEF TO THE POOREST: HOPE IN THE FACE OF FLOOD AND CYCLONE FURY

Reaching further through our network on the ground

Cyclone Fani Response

On May 3rd 2019, Cyclone Fani made landfall south of Puri district, Odisha. With wind speeds touching 200 kmph, it wreaked havoc on coastal communities of Odisha. Families have returned from cyclone shelters to find their homes destroyed (and in many cases possessions as well). Over 500,000 houses were damaged and 15 million people affected across Odisha; and over 33,000 houses damaged and 630,000 people affected in West Bengal.

Addressing immediate needs

600 family kits were distributed with basic hygiene needs including mosquito nets and soap. SEEDS and local partner SPANDAN also supported a community kitchen that was managed by cyclone survivors themselves in the Baliapanda slum of Puri. 500 people from 123 families were able to have access to a good meal when most needed.

Health camps

Through facilitated camps in both rural and urban areas across Puri, we reached over 2,860 people with immediate basic healthcare. This focused on skin, stomach & waterborne ailments, trauma & mental health. Free medicines were distributed and cases referred to government hospitals as needed. We also carried out WaSH awareness orientation sessions.

Access to clean water

Water is such a crucial element after any disaster. In two villages of East Medinipur, West Bengal, we worked with local partner KJKS to impart training on safe water and chlorinate common drinking water sources. We were able to reach 190 families (910 people).



In Puri, we tried to tackle it in two ways. The first was to chlorinate and raise 15 hand pumps. The second was distributing 62 water filter devices across the most affected sites in Puri, benefitting over 2,260 people. One of these communities is Jag Jivanraji Colony in Puri. There are around 40 families in the colony; each with at least one member who is living with leprosy. The majority depend on begging, labour work or pulling of rickshaws to make ends meet. Their source of water is primarily from municipality supply and two tube wells.

After the cyclone, water supply was cut off for more than two weeks. Since they are not accepted by the neighbouring colonies, there was no way to fetch clean water. They had to make do with the tube wells where the water was affected with salinity and impurities. The two water filters installed here to cater to the colony's 200 inhabitants in June 2019 are continuing to provide safe drinking water.

Transitional homes for 129 families

A month on, media attention waned but Cyclone Fani's survivors continue the long road to recovery. A total of 129 such families were selected to be supported with 'transitional shelters' across Puri district. One of these areas was Birapadia Village in Sadar block of Puri. Located about 15 km from Puri town, this is a marginalised community, mainly with daily wage labourers and landless families. They survived the cyclone under an uprooted tree. The homes, designed and built with the help of the community were symbols of hope in a setting where there was still devastation all around. Truly local, the design incorporated salvaged timber from uprooted trees, thick bamboo mat walling that can be made locally, and coconut leaf thatch to cover the roof for thermal comfort. The tying techniques using GI wires, roof anchoring systems and veranda-roof separation all enhanced cyclone resistance.

Encouraging social change

The approach throughout the initiative was to engage youth volunteers, both to empower and to build a sense of civic engagement. In fact, issues of social change appeared through the programme, from building an understanding of land entitlements to taking collaborative action. Months after the response died down, women in the Pentakota slum (one of our response areas) continued taking matters into their own hands. They banded together to create a resilience fund, pooling in Rs. 1,24,600!











We all jumped into the pond for our survival and were into it until the cyclone stopped.

Kuntala Behera, a survivor of Fani



IN FOCUS A pond saves lives

25 families of Arola Village in Puri have a huge debt to the local pond as it was the only source of shelter during the havoc created by Fani. Each community in this area has a pond which can also become an income source if given better training on production techniques and better management practice. Water from ponds can provide irrigation for crops and water for livestock. It can also have a positive effect on family nutrition through fish production. As the pond serves as the only source of water for household activities, awareness on sustainable and clean surroundings was also part of the discussions.

Build Back Better – Powering post disaster recovery for speed, sustainability and resilience

In the wake of Cyclone Fani which hit in May 2019, coastal communities across Odisha were struggling to cope. The primary concern was that that the recovery is slow. Some marginal groups may slip through the recovery nets. This means homes, schools and infrastructure may be built in ways that are again vulnerable to the next disaster. This is a systemic problem seen after every major disaster. The idea was to explore decentralised energy as a catalyst for sustainable interventions.

Safe, connected, green and off-the-grid. SEEDS is developing a roadmap where risk reduction meets sustainable energy solutions for better resilience to future disasters. Using one school and one health centre in Chandrapur block of Puri as model demonstrations, the aim was to develop an off-grid campus. Aside from the 130 children and 5 staff members who study at Biranirsinghpur primary school, the premises serves as an emergency shelter. The programme is developed to ensure that the children and community members who end up here have access to a safe space, a reliable

energy source, water, sanitation and food in case of an emergency. The Chandanpur CHC plays a crucial role in providing basic services to improve the health status of communities residing in the district. It covers 3 Public Health Centres and a Sub-centre, providing health care facilities to about 158 villages in the district.

Each building is being restored and upgraded with better water, sanitation and hygiene facilities. The model buildings will be equipped with solar panels, solar charging stations, and solar water pumps. Energy loads are also being reduced through efficient fixtures, roof insulation and wall painting.

At school, we're adding a kitchen garden, sunny weather school and outdoor shaded play space for the children. The provision of document storage lockers makes it more user-friendly. At the health centre, strategically placed vertical buffer plant screens will help improve thermal comfort and patient well-being. The buildings themselves are being complemented by planning processes done with the community.



India Flood Response 2019

Unprecedented monsoons in 2019 resulted in floods that created havoc across various states in India. The rain led to the rise in the level of the Krishna River, causing flooding in several parts of Western Maharashtra and North Karnataka. Floods also affected parts of Bihar and Kerala.

After careful assessment, SEEDS chose to focus on Sangli and Kolhapur districts in Maharashtra; Belagavi district in Karnataka; Patna and Saharsa districts in Bihar; and Wayanad district in Kerala. SEEDS created an overall plan that focused on immediate relief with hygiene kits and footwear; and early recovery with a focus on repairing schools, and WaSH initiatives.

Water, sanitation and hygiene interventions

A critical impending threat in the affected areas is of waterborne diseases that erupt a few days after such disasters. Water, sanitation and hygiene are areas to be addressed urgently to avoid the spread of such diseases.

SEEDS addressed this in a few ways. We distributed 1,250 hygiene kits to affected families in Maharashtra and Bihar. We're cleaning 60 wells using chlorination techniques to re-establish access to potable water for marginalised communities in Maharashtra. Finally, we also carried out awareness campaigns within the community. These focussed on sensitising people on safe water handling and sanitation practices and encouraging a community led initiative towards safe drinking water. Supported by Bata, SEEDS distributed shoes to children across 15 schools and 90 anganwadis in Belagavi district, Karnataka; and 17 anganwadis across Wayanad district, Kerala.

Repairing and restoring nine schools and 14 damaged anganwadis

In terms of early recovery, SEEDS is looking at repairing and restoring nine schools and 14 anganwadis across the intervention districts. While the specifics vary for each school, the interventions all follow our approach of building back better; creating a more comfortable, safe and hygienic learning environment. Among others, this includes upgradation of drinking water and sanitation facilities; repair to the physical structure of the school buildings; the additions of playful child-friendly elements; and disaster risk reduction & hygiene trainings.

While identification, needs assessments and bill of quantities have been done for most of the schools, the nationwide lockdown in March brought a break to several on-ground activities. 600 student kits were also procured for students who had lost their books and stationery during the floods, and it's a wait to distribute them once the lockdown ends.



Kerala Floods 2018 **Continuing to Recover**

Spells of rain in July and August 2018 caused Kerala's most severe floods since 1924. Excess water being released from dams across the state aggravated the impact. Over 300 landslides were triggered, taking away entire areas of land. The devastating floods and landslides affected 5.4 million people and displaced 1.4 million people. Our efforts began in late August 2018 with addressing basic needs. This year, the recovery efforts continued with clean water, homes and school related initiatives.

Access to clean water

Contaminated water remained a challenge even months after the floods. SEEDS identified an additional 176 flood affected wells in the district of Wayanad. Debris was cleared from the bottom and the well rings were thoroughly cleaned. Each well was chlorinated according to the need based on tests for PH, turbidity, TDS and residual chlorine. With the two wells that were extensively damaged, wells were rehabilitated and then chlorinated.

35-year-old Kamala Chandran lives in Ward No. 7 of Kottathara Panchayat along with her husband, mother-in-law and two young children – a four-year-old son and two-year-old daughter. Her husband is a daily wage labourer and motherin-law works as a labourer with Kottathara Panchayat under the Mahatma Gandhi National Rural Employment Guarantee Scheme.

This well was our major source of drinking water for the past two decades. Our neighbours also take water from this well whenever they require. But after the flood, things have changed. It got polluted. From then, it has been a difficult journey for us. We were helpless and struggling for safe drinking water. I am grateful to get the well cleaned and restored to give us back a safe drinking water source.



Kamala Chandran, Kottathara Panchayat, Wayanad, Kerala





Transitional shelters

Co-ordinating with the Government of Kerala, SEEDS proposed various options to address the immediate requirements of the flood affected families. Transitional shelters was one of the interventions that was suggested and gained acceptance among the community. This year, an additional 104 transitional shelters and 41 transitional toilets have been constructed in various panchayats of Wayanad district.

The unique process of design imbibed the cultural norms of traditional architecture of the state. It used low cost material, that could be reused later. The use of material salvaged from previous constructions an option, as was of building over existing plinths. These transitional homes were built in partnership with the homeowners, and a simple smart card walked them through the construction process.

The toilets too are flood resilient, using local materials and natural filters. This nature- based solution allows waste to decompose without affecting the natural habitat.





Schools and anganwadis full of smiles

This year, we were able to bring back smiles to 16 flood affected schools within six districts (Wayanad, Malappuram, Ernakulam, Thrissur, Alappuzha and Idukki) and three anganwadis in Wayanad. With the help of Bata, we were also able to distribute shoes to 3,324 children across schools and anganwadis in Wayanad.

The interventions were tailored to suit the needs of different schools – from complete rebuilding to just installing extra space.

Damaged toilets became a key component of the restoration plan. Solar panels are helping promote renewable resources. In order to ensure scientific waste management, compost pits were also built at the schools.

The process included training and orientation for the entire school community on reducing risks. Safety elements such as fire extinguishers and evacuation maps were installed at all the blocks of our intervention. DRR and WaSH training were also given to the students and PTA members of each intervention school.

The repair and upgradation initiative went beyond safety. It was clear that the trauma of the floods had stayed with the children. Psychological counselling was initiated and the designs also took this into account. Childfriendly, playful spaces could have a major impact on their well-being. Plants were added and landscaping was done to add to the vibrance to these buildings.



Having been a pre-primary teacher for many years, I can understand the mindset of children. Children of this age always prefer to be at a place where they have an attractive atmosphere with paintings on the walls, play equipment etc. SEEDS has provided all facilities at the school and created a children centric atmosphere here. I can see that the children are now more interested in coming to the school than before.

Lincy Thomas, Pre-primary teacher, Government Lower Primary School, Veliyanad, Kerala



Lincy Thomas has been a pre-primary teacher at Government Lower Primary School, Veliyanad for the past 13 years. This school has served as a shelter and relief camp in previous floods. However, the situation in 2018 was different. The entire school building was covered with water and mud. The walls of the building, the garden, furniture, everything was damaged as a result of sustained water inundation over days. The houses of most of the students were also inundated and all the people from the area were relocated to the nearby district of Kottayam which is at higher altitude.

The initiative has changed the face of the school. Even a week of no power (due to electrical repairs) left them unphased. Their power needs were fulfilled by the solar panels and has also cut down huge electricity bills.

Health Matters

Public health centres (PHCs) and sub-centres are an essential need of rural communities. A lifeline for health services, severe flood damage meant a critical disruption. SEEDS worked to repair and restore three PHCs across Wayanad and Malappuram districts, improving resilience to future emergencies.

Permanent Homes

The families chosen for permanent shelters are all extremely poor, without the resources to restore a shelter even incrementally. 9 shelters have been built and 3 restored in Puthenvelikkara panchayat of Ernakulam district. 16 more homes for tribal families are under progress in Wayanad district.







Homes for Cyclone Gaja Survivors

Cyclone Gaja made landfall on the coast of Tamil Nadu on 16th November 2018. It was one of the worst cyclones to hit the region. More than 1,17,000 houses, including thatched huts and tiled roof houses, were partially or fully damaged across the state. Keelaiyur panchayat in Nagapattinam was one of the most affected. Mainly from the Scheduled Caste community, the families here had received little assistance except immediate relief. They found themselves excluded from many aspects of day-to-day life including health services, economic incentives and educational establishments.

Between May and November 2019, SEEDS supported nine families to rebuild their homes. The programme was unique in that it was completely done by the community. The community representative (Mr. A Balakrishnan) took the initiative not just to mobilise people, but also manage materials, labour and ensure that the house owners could move into their completed houses. Designed through a community consultation process, the shelters were also a way to develop the skills of local artisans.

Over 90 years old, Krushnammal is a widow with no family to support her and survives on a monthly pension. She lived alone in a dilapidated house with the community checking in on her from time to time. The roof was blown away and the structure damaged, but she was managing with a tarpaulin that the community has helped secure.



When you are as old as I am, you are merely living day to day. You go about following a set routine. I didn't think I would survive the cyclone, let alone my house. I feel overwhelmed that my neighbours and well-wishers came together to put a roof above my head and even more indebted and grateful to the people who gave me a concrete house.

Krushnammal



Jammu & Kashmir 2014 Floods Schools still recover

The unprecedented flooding of Jammu & Kashmir in September 2014 left in its wake a trail of destruction from which the state is still recovering. According to the Education Department of Jammu & Kashmir, 1,000 schools were affected across the state.

Five years hence, many school buildings still awaited restoration and classes continued to be held in unsafe temporary arrangements. We decided to help restore another three schools in Pulwama, spreading smiles and DRR knowledge among more students. Workshops also focused on the possible usage of the campus during non-school hours, for common purposes at community level. Together the three schools

- Govt. Upper Primary School BajiBagh, Govt. Girls Middle School Drangbal Pampore and Govt. Boys Upper Primary School Chatlam Lalpora - originally served 261 students. The 24 new classrooms (8 in each school) are not just brighter, safer and more child-friendly. They can now accommodate 500 students, allowing room for enrolment to grow in each school.

The buildings were designed keeping in view earthquake and flood resistance; and to incorporate fun into the school building itself. Using innovative design, the roof and window designs were the biggest hit among the students!





The school buildings were also constructed keeping in view the Green Rating for Integrated Habitat Assessment (GRIHA). GRIHA initiatives included green net fencing to reduce air pollution during construction and the use of low VOC paints to reduce allergy-causing toxins, odour and air quality impacts. Recharge pits with rain gutters help to recycle rainwater and recharge underground aquifers. Compost pits were built to allow for the recycling of kitchen scraps and creation of natural fertilizer for garden plants & vegetables. Low-energy material was used in the interiors.



The initiative in all the schools went beyond brick and mortar alone. School Management Committees were oriented on risk reduction practices. Students and teachers were given basic emergency training. Task forces on first aid, fire safety, search and rescue and early warning were created in the neighbouring community. These increased ownership, and sowed seeds for broader community disaster management planning.



Leveraging technology to enhance our people-centric approach in disaster preparedness and response

Bihar is one of the most vulnerable states to flooding, with 74% of its geographical area severely affected by recurrent floods.

The changing course of the Ganga river and its tributaries adds to the challenge. The Jal Prahari (Water Guardians) programme attempts to forecast flood impact in the region by placing community knowledge at the centre. Can we get inundation warnings with sufficient lead time to minimise losses? The idea was to provide near real-time information on the rise of river levels through google maps.

The initiative began in February 2019 by establishing a roster of local task force volunteers called 'Jal Praharis' who keep a close watch on the water levels and pass on information in the surrounding communities for subsequent action. These 'Jal Praharis' help us to monitor and provide real time first- hand information on water level rise, during and after floods in fifteen blocks of Patna district.

Considering the need, the volunteers were selected on their knowledge of operating Smart Phones; their familiarity with google applications including maps and location sharing; and an age range of 18-45. Yuganter (SEEDS' on-ground partner) organised meetings with community leaders, mukhiyas (panchayat heads), active youth members who were also part of government flood rescue teams in the villages and at the block level. 107 youth were formally

registered and 80 volunteers were finalised post-verification. Training sessions were held at the district level to handhold and train the volunteers on data collection.

Mock tests on the ONA application encountered a few challenges in uploading the forms. With constant feedback of the 'server being down', the forms kept getting saved to the draft box. This further slowed down the process of data capturing. The learning was to explore other applications that could work in the geography and not face the server issue. Collect App run by Social Cop seemed to meet the requirements and was put to the test in June. Volunteers were able to submit responses within 60 seconds to90 seconds. Testing went live during the monsoon season from June to September, when the Jal Praharis submitted real-time information on water levels rise status in their respective areas.

The information collected was collated and organised in pre-set templates by SEEDS. That was then added to a central damage database maintained by Google. Once added to the database the information was triangulated with other sources to provide a real and dynamic assessment of damage and losses in a disaster.

The consolidated information has proved to contribute significantly in improving effectiveness of response and recovery efforts. In this case, it helped analyse the situation and mark the flooding zone in Patna district.



AI For Humanitarian Action

A neighbourhood does not have access to information about specific vulnerabilities that they need to fix to reduce disaster risk. They also cannot decipher from the warnings they receive what the precise extent of the impending risk is. This makes informed pre-emptive action by individuals/local communities almost impossible.

Currently, there are two data sets that a family or neighbourhood can access to be informed about their vulnerability and about immediate threats – vulnerability maps, and hazard warnings.

The Vulnerability Atlas of India and its subsets provide information about earthquakes, cyclones, and flood risks from national to district levels. In addition, landslide information is also available at a similar resolution. These however are not of much use to families and neighbourhoods as their resolution is very poor and there are very significant variations within one category of vulnerability that they identify.

Hazard warnings primarily come from the meteorological department, some new private players, and government departments that monitor specific data such as river flows. The forecasts are however very vague in nature and do not reveal the exact impact that can be expected at a particular location, such as the level of flooding or the impact of storm winds.

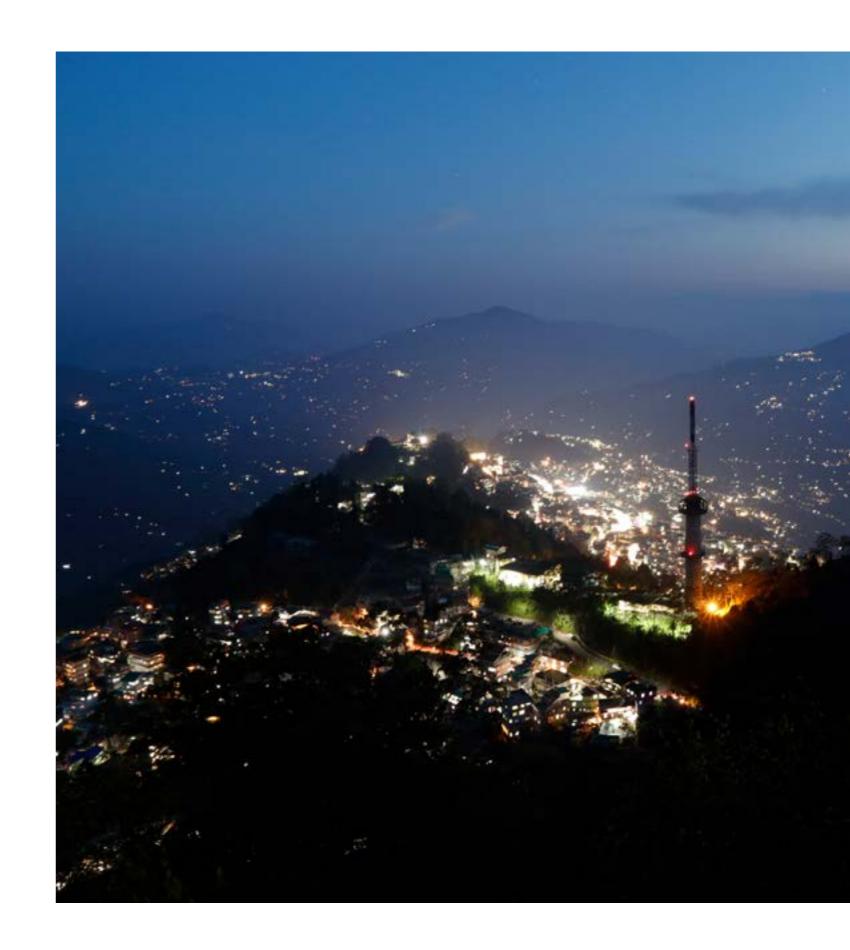
As a result, the vulnerability information and disaster warning are often not even taken seriously, and loss of life and property takes place. This, though applicable for all disasters, is most visible in the case of annual floods across the country.

will change the way neighbourhoods use disaster related information to make decisions and to act for avoiding loss of lives and assets. Information about their inherent vulnerabilities will be available with a very specific context of their region and surroundings. Disaster alerts and warnings will be in forms that will tell them exactly what is expected in their current location and when, and what immediate action they should take. This will be backed with community plans that would have been prepared in advance through a consultative process.

The proposed approach involves the processing of very large volumes of data, virtually impossible to be carried out with manual processes involved. With each house, school, and public building of the country being a pixel with specific and unique attributes, data on vulnerability and warnings need to be correlated and made available in an easy format. In particular, the warning data will need to be processed in near real-time.

Many of the attributes of location-specific vulnerability and anticipated disaster impact have to be derived from secondary information, such as the building material commonly found in a cluster/neighbourhood that tells us how it will behave in a storm or flood of a specific strength. These interpretations are based on principles that can be programmed into machine learning and can be extended over wide geographies, with improvements over successive cycles.

The project will be able to demonstrate with evidence, how better information can save lives and property, and change mindsets.



ENVIRONMENTAL SUSTAINIBILITY AND RESILIENCE

Finding ways to adapt and live with nature

Partners for Resilience: Strategic Partnership

What does risk mean in a broader sense? Since 2016, we've been exploring this question as part of the Partners for Resilience (PfR) programme. It takes the lens of Integrated Risk Management, a multi-disciplinary approach combining disaster risk reduction, climate change adaptation and ecosystem restoration at the same time

SEEDS has been working across Mahishi block, located on the eastern flanks of River Kosi in Saharsa District of North Bihar. The block is inhabited by 0.2 million people who draw sustenance from agriculture and allied activities primarily within river flood plains. The focus is on water risks and a multi-sectoral approach for managing disasters.

Specific activities facilitated under the programme vary from community-based early warning systems to the development of long-term vulnerability plans. Another key aspect to the programme is the generation of strong social capital. A citizen forum was formed at the district level with members coming from all walks of life.

These activities are helping take into view the larger perspective of landscape and long-term risk analysis. For example, seven gram panchayats have developed seasonal calendars to assess climate related risks in general and livelihoods in particular. These track seasonal changes and climate-related hazards, helping plot seasonal farming activities.

The changes in mindset are visible. Individuals are establishing linkages with available developmental schemes and policies. These are being leveraged for uses from a pond construction scheme (artificial wetland) to planting trees under Krishi Vaniki Yojna (a scheme to promotes agroforestry among local farmers).



Farmers have also been motivated to use Jaivik (organic) fertilizer and set up vermicomposting units. The agriculture department now provides a 40 percent subsidy to farmers engaged in vermicomposting.

The initiative continues to improve preparedness to prevent losses. It's exploring the protection of natural wetlands as buffers against floods. Ultimately, it's a step toward building harmony between people and their environment.

This year, the focus was on integrating IRM into how Gram Panchayat Development Plans (GPDP) are prepared, specifically to reduce water risk through wetlands management. Continuous engagements with the Panchayati Raj Institutions to familiarise them with the concept has borne fruit.

A fund of INR 57 crore was also leveraged for wetlands management with the collaboration of SEEDS, Wetland Management, Gram Panchayats and local CSOs. Resources have also been collated from the different line departments under various schemes for village development. 10 GPs have developed their panchayat level matrix on IRM measures and submitted it for inclusion in the GP Development Plan 2020-21.

IN FOCUS Wetlands as livelihoods

Narayan Mukhiya from Narwar panchayat is the secretary of Mahishi Block Cooperation Fisheries Association (Matsya jivi Sahoyog Samiti). The association gets wetlands on lease from the government and further lease out to various groups of fishermen and farmers for fish farming and makhana (fox nut) cultivation. The association holds around 2000 acres of wetlands.

Having attended the PfR meetings, he was motivated to access benefits from government schemes. For the first time, Narayan took the initiative to apply for 13 new wetlands from Maheshi Block Revenue Department and has succeeded in the task. He has also assisted 433 fishermen to access the central government accident insurance scheme- Pradhan Mantri Suraksha Bima Yojna.



EDITORIAL COVERAGE

MY FIVE

Anshu Sharma Co-founder, SEEDS

A handshake here, a high-five there, amazing energy boosters!

- A happy start to the day gets things rolling on the right note. I look out of the window, and take in the sky, trees, birds and squirrels who are already merrily at work before I am up. I wake my child up with a new fun activity each day. and things are already feeling good.
- A day of focus on ideas, not people and incidents, is my kind of a day. I thrive on solutions, minimising the time I complain about problems. Usually by breakfast time I have already had a few ideas to fuel my day with. Breakfast is light, and includes some fruit and nuts in it.
- Stop eating before you are full, is the mantra to eat whatever you like but still be fit. I let my mind tell me how much to eat, and not my stomach. I also limit snacks, and avoid late-night eating.
- An evening walk in the park with natural sights and sounds is my favourite exercise. I like to absorb the chirping of birds and the squealing of the children at play, and have never used headphones and music with beats or simulated sounds for my walks. A handshake here, a high-five there and a greeting to some elderly neighbours sitting on the benches are all amazing energy boosters.
- A good night's sleep is finally a healthy wrap-up to a day well lived, and is best ushered in with a few minutes of a good read. I aim to have at least seven hours of sleep, which is not just akin to charging batteries but is also maintenance time when the body and mind self-repair the wear and tear of the day, and get me geared up for a great tomorrow.

Disaster management requires more than skills

Dr Anche Sharme

There were \$750 reported discu-tors across the world over the last ten years, more than one-every day. Many disasters don't make news headlines, but affected people still require automoreosorthy-the-shocks. assistance to certify the shocks. About 134,000,000 people across the world acceled assistance, but in 2018, according to the UN. India, and in fact the entire South and South-East Asia. ter prone parts of the world will nessing floods, cyclones droughts, estimate loss words shes throughout the year i

are dedicated trains in these organisations that comprise trained and motivated profestrained and motivated profits nitrods, who position helping people in trial day and might, it is insportantly understand that working in new of post them or risk relabilization and class-ter risk relabilization and class-net risk relabilization and them and their executional and well as meeted one obvious. The meeted one obvious and the continual constitution of the continual constitution

The work of desider managers is often most visible when ons is often most visitor when they are conducting search and rescue operations or distribut-ing relief of or scalor disasters. They, however, carry outs wide mange of activities behind the somes to make those operations, somesful disquire challenging restrongeneous and torrotes. The only motive is to save lives.

Integral to disaster management in There are number of university profrosterial prospect in the integral to disaster management skills are unit, made open hair, postgrad. The after 60 funds: 1995.



transportation, distribution and eword keeping all have to be managed. Disoster management is moves or the study of adminis moreover the study of admin-istration of programmes and resourcesfor responding in cla-soter emergency situations occurred antendity or by sep-luman lotter feveror. There are two kinets of educational entry-ruction into a dissister mininga-tion carrier a degree in dissister management or a basis dog swin-sey relevant stream with added short-term courses in dissister management or a basis dog swin-sey relevant stream with added short-term courses in dissister management.

and understanding natures of disasters, in Ref and rescue plan-ning, such technological devel-opment, environmental and souody motite is to save lives, the theory, statistics and legis-honocond schools with dignity. Size etc.

The word 'management' in There are number of account.

Pursuing a course in diseasor well as imprivate organizations. ties come from gove organisations such as the NDMS, UN agencies, bureau serve humanity and make a dif-ference with a will to connec

CM unveils Safety First Carnival in Dehradun

Feel Good Factor

They prepare people against nature's fury



Dr Manu Cupita (centre), co-founder of Sustainable Environment and Ecological Development Society

Dr Manu Gupta's organisation helps create long-term resilience of communities and citizens

By Aasheesh Sharma In New Delhii

A STRING of disasters that lot India in the 1990s led to hage loss of lives. Among the most affected by calamities

Every visit to a disaster-hit zone

ity, but was also manne

Let's manage risks, not disasters

Disasters set communities back by decades'



भूकंपरोधी होंगे स्कूल भवन

प्रदेश में 'अक्षर ज्ञान' को हथेली पर जान

50

OUR PARTNERS

The various activities carried out by us are made possible through the support of individuals and organisations. We gratefully acknowledge the financial, material, moral and technical support of the following partners.

- 1. Asian Disaster Risk & Response Network (ADRRN)
- 2. Bata India Limited
- 3. Club Mahindra
- 4. CRISIL
- 5. Deloitte
- 6. DXC (Xchanging Technology Services India Private Limited)
- 7. Friends of SEEDS and individual donors
- 8. Give2Asia
- Global Network of Civil Society
 Organisations for Disaster Reduction
 (GNDR)

- 10. Godrej
- 11. Google
- 12. Honeywell Hometown Solutions India Foundation
- 13. Indiana University
- 14. Kryfs Power Components Ltd (KRYFS)
- 15. Kundan Trust
- 16. Microsoft
- 17. Ministry of Home Affairs, Government of India
- 18. National Disaster Management Authority
- 19. Oak Foundation

- 20. Partners for Resilience (PFR)
- 21. Price Waterhouse Coopers (PwC)- US
- 22. SDM
- 23. SEEDS Asia
- 24. Sterlite
- 25. United Way of Chennai (UWC)
- 26. United Way of Hyderabad (UWH)
- 27. United Way of India (UWI)
- 28. United Way Mumbai (UWM)
- 29. United Nations International Children's Emergency Fund (UNICEF)
- 30. United Nations Office for Disaster Risk Reduction (UNDRR)
- 31. Vestas
- 32. Wetlands International

A Special recognition of our amazing partners on the ground:

- 1. Aadhar
- 2. Astha Sewa Sansthan
- 3. Amity University
- 4. Ambedkar University
- 5. North-East Affected Area Development Society (NEADS)
- 6. Kajla Janakalyan Samiti (KJKS)
- 7. Prerana Foundation
- 8. Purvi Delhi Aapda Prehari (PDAP)
- 9. Sargakshetra Charitable Trust
- 10. Spandan
- 11. Yuganter



Administrative Expenditure Balance Sheet

SUSTAINABLE ENVIRONMENT AND ECOLOGICAL DEVELOPMENT SOCIETY Address:- 315, Kailash Tower -1, Mount Kailash New Delhi - 110065

BALANCE	SHEET AS AT 31" MARCH 2020		
2013 april	SCHEDULE	F.Y. 2019-20	F.Y. 2018-19
SOURCES OF FUND	A01,000,000,000,000		12-21-21-21-21-21-21-21-21-21-21-21-21-2
LFUND BALANCES:			
a. General Fund	[01]	1,37,84,882	1,34,59,258
b. Project Fund	[02]	7,61,53,211	1,52,80,337
b. Corpus Fund	[03]	46,77,711	46,77,711
b. Asset Fund	[04]	38,74,319	41,24,583
b. Specific Fund	[05]		5,76,65,911
TOTAL Rs.	[1+11]	9,84,90,123	9,52,07,800
APPLICATIONS OF FUND			
LFIXED ASSETS			
Gross Block	[06]	1,06,81,477	98,21,675
Less: Accumulated Depreciation		68,07,157	56,97,091
Net Block		38,74,320	41,24,584
II. INVESTMENT	[07]	1,46,51,793	2,29,21,307
IILCURRENT ASSETS, LOANS & ADVANCES:			
a. Loans & Advances	[06]	26,50,950	27,65,554
b. Cash & Bank Balance	[09]	8,86,41,629	7,19,80,861
c. Other Current Assets	[10]	5,01,679	1,45,800
	A	9,17,94,257	7,48,92,215
Less: CURRENT LIABILITIES & PROVISIONS:		Contract of	
a. Expenses Payable	[11]	13,08,557	11,93,731
b. Other Current Liabilities	[12]	1,05,21,690	55,36,576
	В	1,18,30,247	67,30,307
NET CURRENT ASSETS	[A-B]	7,99,64,010	6,81,61,908
TOTAL Rs.	[1+11+111]	9,84,90,123	9,52,07,800

Significant Accounting Policies and Notes to Accounts The schedules referred to above form an integral part of the Balance Sheet.

For & on behalf : S.Sahoo & Co.

Chartered Accountants Firm No. 32295211

CA Subhajit Sahoo, FCA, LLB Partner

MM No. 057426

Place: New Delhi

For & on behalf:

Sustainable Environment and Ecological Development Society

Secretary

SUSTAINABLE ENVIRONMENT AND ECOLOGICAL DEVELOPMENT SOCIETY Address:- 315, Kailash Tower -I, Mount Kailash New Delhi - 110065

INCOME & EXPENDITURE ACCOUNT FO	OR THE YEAR ENDED 3	Ist MARCH 2020	
	SCHEDULE	F.Y. 2019-20	F.Y. 2018-19
LINCOME			
Grants & Donations	[13]	19,65,90,738	9,54,41,810
Interest Income & Other Income	[14]	39,95,046	58,31,105
TOTAL		20,05,85,784	10,12,72,915
ILEXPENDITURE			
Program Expenditures	[15]		
Relief of the poor		10,40,52,898	5,76,44,711
Education.		8,68,44,621	4,97,06,118
Yoga.		13000	
Medical Relief.			
Preservation of Environment.		31,28,002	1,49,97,753
Preservation of Monuments or Places or Objects of Artistic or Historic In	erest.		
Advancement of any Other Object of General Public Utility.			
Administrative Expenditures	[16]	21,67,872	
Depreciation		11,10,066	9,55,310
Less: Transferred to Asset Fund		(11,10,066)	(9,55,310)
TOTAL		19,61,93,393	12,23,48,554
IILEXCESS OF INCOME OVER EXPENDITURE	[1-11]	43,92,391	(2,10,75,670)
Less:-Transferred to Indian Flood 2017		(2)	(2,46,96,485)
Less: Transferred to School Safety Project-HW			(4,75,90,073)
		43,92,391	5,12,10,888

Significant Accounting Policies and Notes to Accounts

The schedules referred to above form an integral part of the Income & Expenditure A/c.

For & on behalf : S.Sahoo & Co. Chartered Accountant

For & on behalf:

Sustainable Environment and Ecological Development Society

CA Subhajit Sahoo, FCA, LLB

MM No. 057426

FRN: 322952E

Place: New Delhi Date:





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