



Himalayan Institute of Alternatives, Ladakh

(An Alternative Institute For Mountain Development)



Annual Report
Year 2019 - 20

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EXECUTIVE SUMMARY

Campus

From just a piece of desert land that was allotted to HIAL by the HILL Council in 2018, the fully passive solar campus today boasts 10,000 sq ft of habitable space with 4 staff quarters, 2 large halls which are used for residential, office and classroom purposes, respectively. In addition, several plantation projects, nurseries and greenhouses have been built that are researching and piloting several plantation techniques.

Academics

HIAL successfully completed its first HILLs Fellowship (Apr 2019-Mar 2020). Its first certificate course, 'Eco-Responsive Building', started in February 2020 and is scheduled to be concluded this summer. There are two more certificate courses scheduled for this year, Responsible Tourism and Farm & Forest Produce Processing, in addition to the second batch of HILLs fellowship scheduled to commence in August 2020.

Tourism

HIAL continued to add more farmstays to its tourism venture, Himalayan Farmstays, which also won the Outlook Responsible Tourism Award for Best Social Impact Project 2019.

Ice Stupas

From one Phyang village till 2017 to 12 villages in 2018, the building of Ice Stupas got bigger with 16 villages across Ladakh participating in the Ice Stupa competition held for the second time this year sowing the seeds of not just water management but also winter tourism in the coming years.

Events

The 'Higher Education Confluence' organised by HIAL in July 2019 saw an overwhelming participation of education leaders from across the globe.

The UT study tour brought all the policy makers, political leaders, media, lawyers and environmentalists together to study all the UTs in India and propose the right model for Ladakh!

'I Live Simply', a global movement encouraging individual behaviour change to combat climate change was launched in December 2019 in partnership with the United Nations Environment Program. The movement, a non-monetary crowd-funding activity has so far garnered pledges equivalent to 2 million USD.

Visitors

Many dignitaries visited our campus like our chief patron, HH Chetsang Rinpoche, Former Governor Shri Satya Pal Mallik Ji, Lt. Governor Shri R K Mathur Ji, among many others to see our work and also explore the possibilities of replicating the same in other parts of Ladakh.

The report elaborates upon all the developments at HIAL over the span of last one year.

Vision

“HIAL aims to develop Ladakh into a benchmark for sustainable living for the mountain world, where all the children receive a meaningful education that prepares them for a life of dignity in harmony with nature.”

Mission

*“Create a transformative educational experience for students by inculcating in them the practice of learning via practical application of knowledge.
Foster an environment of responsible entrepreneurship.
Establish centres of excellence to showcase innovative approaches to education and environment.
Enable sustainable and locally embedded development in mountain societies.”*

***“We shape our buildings;
thereafter they shape us.”
- Winston Churchill***



Projects at HIAL Architecture & Construction

HIAL campus is being built with natural resources from the earth making it completely eco-friendly and sustainable.

Energy is being extracted from the sun.
Phyang Desert is being greened with Ladakhi native plants.



Inside View of Rammed Earth Building

1 STAFF QUARTERS

Currently, there are four occupiable buildings for the staff and students to live, work and study at School of Architecture within HIAL's Phyang Campus adding to around 10,000 sq ft. The buildings have same design footprint but are made with different building materials to study and compare their thermal comfort performance throughout the year making it one of the world's largest test labs.

Passive solar technique can be employed with any building material.

ADOBE



Sun-dried traditional bricks made of earth.

RAMMED EARTH



It is a wall building technique used by ramming the earth in a pre-fabricated mould.

STRAW-CLAY BLOCKS



Bricks made of straw & clay are used, replacing the traditional bricks.

PRE-FABRICATED STRAW-CLAY PANELS



Pre-FREB (Fibre-Reinforced Earthen Blocks) building, a technique in which the entire construction is pre-fabricated and assembled on site, making construction twice as faster.

2 VIP GUEST HOUSE

Built with the rammed-earth technique, the VIP Guest House is expected to be completed by the end of the construction season in 2020.



3 AMPHI-THEATRE & EARTH-BAG DOME

Built by students of HIAL and SECMOL in an educational hands-on workshop with the help of experts from 'Earth Building'. The earthbag dome recycles used cement bags as walls by filling them with sand.



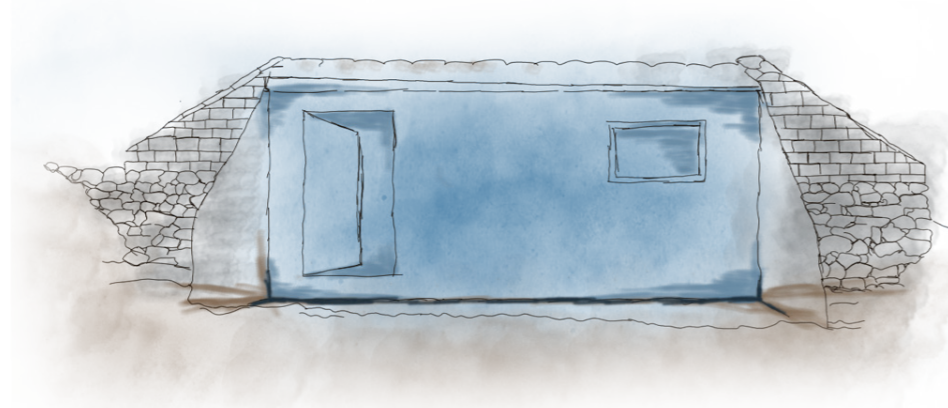
4 COMPOSTING TOILETS

All the toilets at HIAL campus are the traditional dry composting toilets. In addition to saving water that is wasted in flush toilets, they provide the required compost for plants to the otherwise infertile desert of Ladakh.



5 BURIED CONTAINER HOUSING

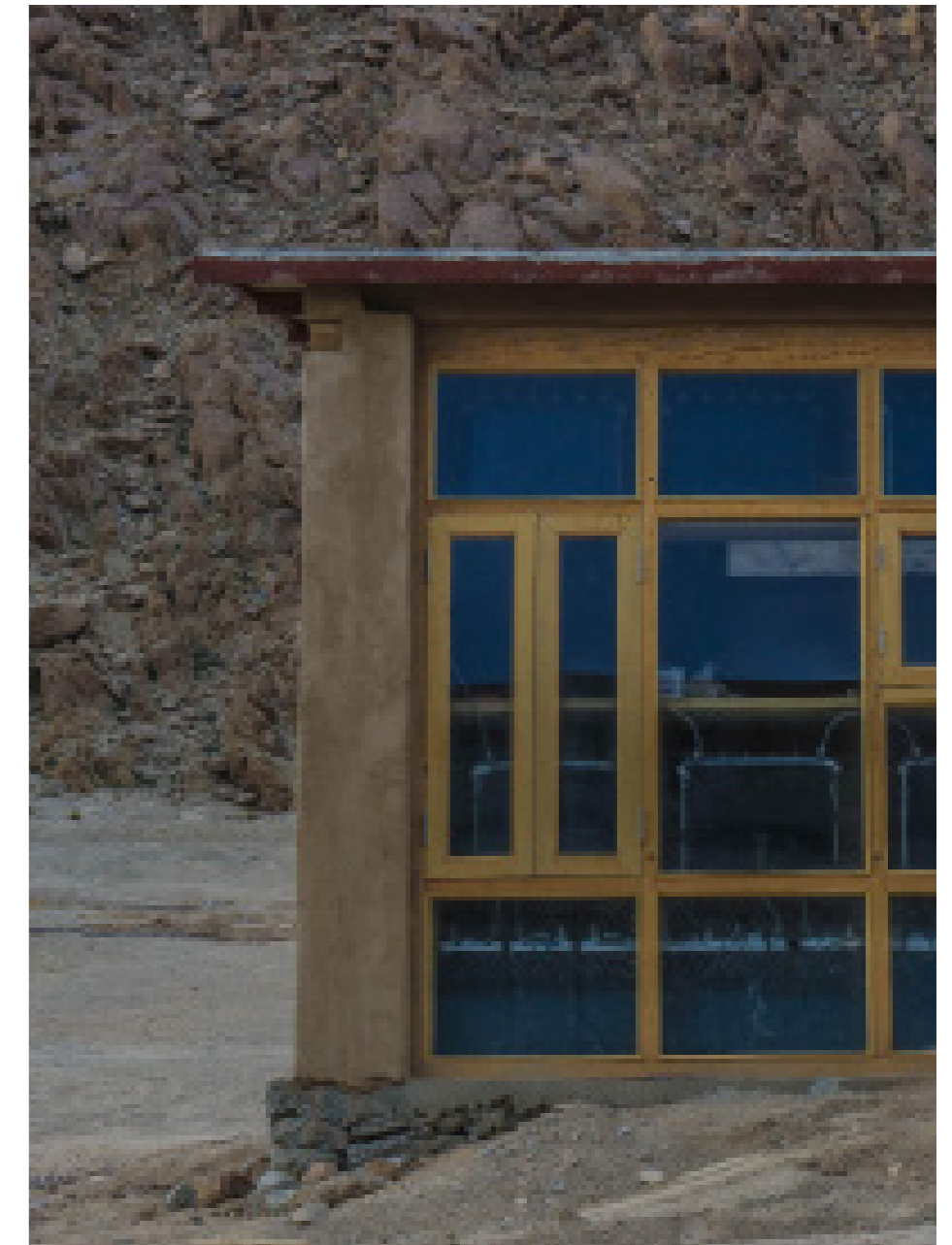
An experiment that reuses the trashed shipping container to increase its insulative capacity by burying it under earth. If successful, this will be used to build the housing facility of our labourers on site and also a student cluster!



8

6 GUARD/BATTERY HOUSE

The Battery House serves the twin purpose of being a power-producing, passive solar heated battery storage facility that keeps the batteries warm and thereby increases their efficiency by using them as trombe walls of the battery house and as a guardhouse for security personnels who have to stay outdoors in the harsh Ladakhi winter nights.



9

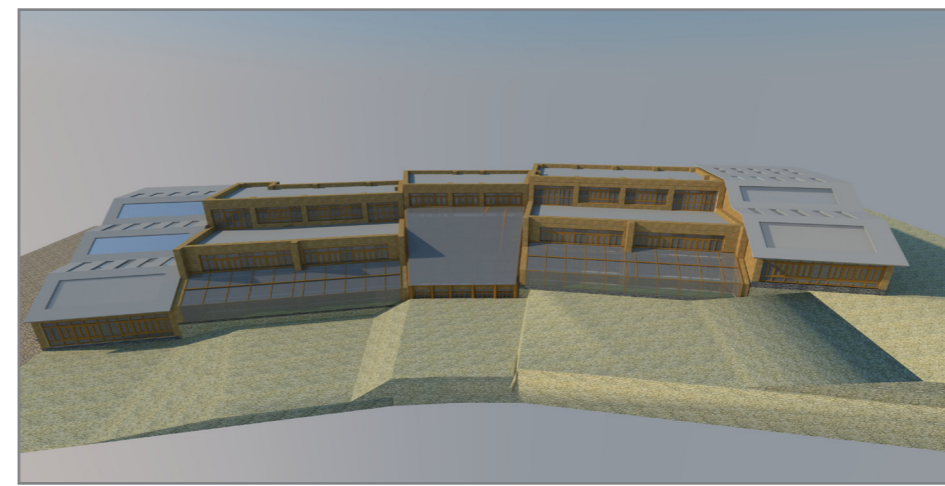
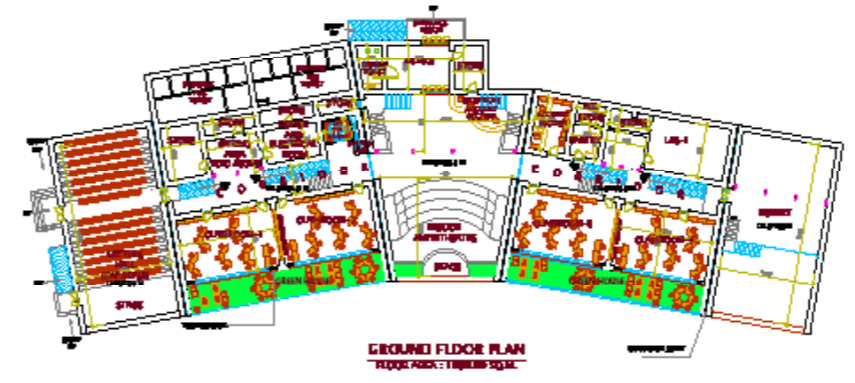


Panoramic shot of HIAL Staff Quarters

UPCOMING PROJECTS

1 ACADEMIC & ADMIN BLOCK

The Academic and Admin Block is one of priority projects of the next construction season, which will be built using the rammed-earth construction technique.



2 MULTI-PURPOSE CONFERENCE, DINING HALL

The Multi-Purpose Conference & Dining Hall would be a passive solar structure in rammed earth. It would comprise a multifunctional conference hall, state of the art kitchen, multiple stores and a root cellar with a spacious dining hall on the first level. This new building is designed to cater to the dining and large gathering needs of the upcoming southern block of HIAL campus.



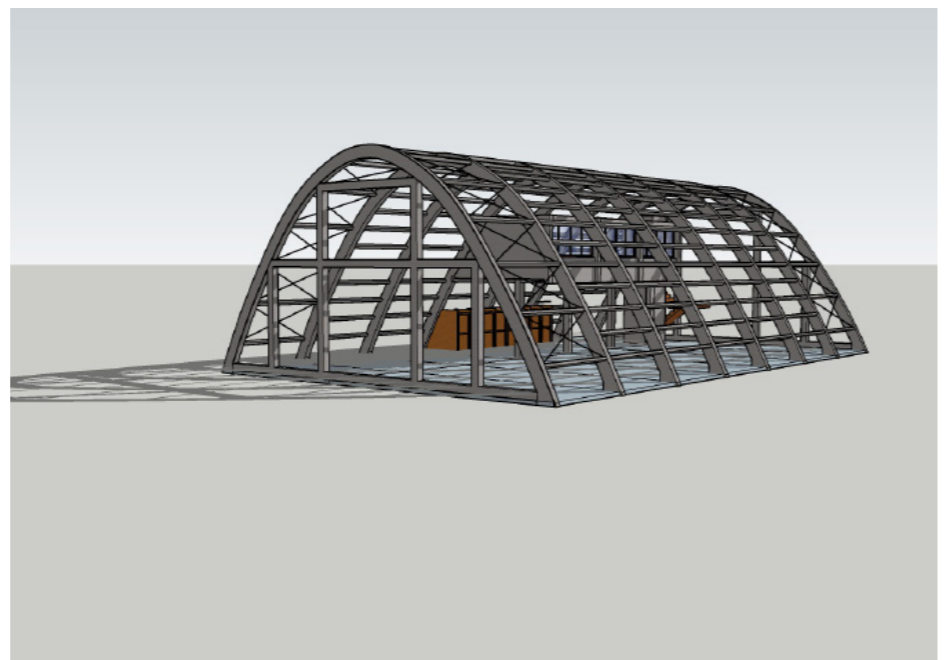
3 STAFF FACILITY

This Building is meant for the accommodation of in-house staff members of HIAL. It constitutes dormitories, shared rooms, studio apartments, one-bedroom apartments, duplex apartments, a chantsa and a gaming room. The total built up area shall be 14,060 sq ft and would accommodate around 40 people.



4 GYMNASIUM FACILITY

This 4,000 sq ft block is going to be a training centre for Gymnastics, Ice Hockey, Wall-Climbing, High Altitude training for all athletes from across India, with gymming equipment as well as a large hall for miscellaneous activities like Karate, Aerobics, Yoga & Meditation.



*“Education is the kindling of a flame, not the filling of a vessel.”
- Socrates*

Projects at HIAL Academics

HIAL employs a contextual curriculum and an experiential pedagogy through a collaborative exercise between learners and facilitators, to inspire the learners to solve local problems using local resources, inventions and interventions. Instead of solving problems with the conventional 3Rs approach (Reading, wRiting, and aRithmetic), learners are encouraged to use the 3Hs approach: Bright Head, Kind Heart, and Skilled Hands.

1 HILLS FELLOWSHIP 2019-20

We have successfully completed our first HILLS Fellowship in Integrated Mountain Development 2019-20. The convocation ceremony, scheduled in March 2020 is now postponed to later months of summer due to the CoVID-19 pandemic and may be conducted online.

The fellowship programme included various experiential hands-on lessons and many field trips. The classes consisted of movie-screenings, discussions and lectures whereas the field trips focused on visiting numerous places to understand several indigenous architectural techniques, sustainable initiatives, various geographical and aspects of the mountain ecology.



THE FELLOWS



Hari Chand Dhali and Sarabdeep Singh Manchanda set-up their start-up called *Kaath-Kuni*, with an aim to educate children in local areas about vernacular architecture, especially the Kath-Kuni style.



Srijan Dangwal has gone ahead with his passion for mountaineering, only this time he plans to promote the idea of 'Responsible Tourism' in his ventures.



Thinles Nurboo, from Responsible tourism elective, started *The Makhang*, a Homestay chain start-up.



Motup Rabgais plans to start an Organic Farm, *Chokra* that envisions to grow and sell fresh and processed organic products.



Stanzin Namsas and Stanzin Dawa, together plan to promote tourism around the concept of passive solar building in the Zanskar region of Ladakh.



Jigmat Stanzin founded *Golden Age Ladakh* which is his own travel company, with a vision to promote the concept of responsible tourism.



Himanshu Dua plans to set-up an enterprise in Waste Management that would convert plastic into poly-fuel through the process of Thermo Catalytic Depolymerization (TCD), which effectively reverses the plastic production process.



Lipika Mitra wants to build a school *BhooShala*, based on J Krishnamurti's philosophy.

2 CERTIFICATE COURSES 2020

The three short certificate courses lined up for this year are:
Eco-Responsive Building (Ongoing)
Organic Farm & Forest Produce Processing
Responsible Tourism

ONGOING: ECO-RESPONSIVE BUILDINGS

HIAL's first certificate course, 'Eco-Responsive Building' (ERB), is underway. The course spans three months with a curriculum co-created with the students. From theory classes to field trips with hands-on activities, the course digs deep into the field of various existing and futuristic examples of earth building, relevant to the climatic conditions in the mountains.



3 INTEGRAL EDUCATION FELLOWSHIP

Education is fundamental to evolution and civilization. The biggest need in India today is of an education that is contextual, experiential, reclaims indigenous wisdom and blends it with modern technology to find solutions to local problems through an approach which is interdisciplinary. This can only be done by producing a breed of professionals who are not only fine teachers but also great administrators and 'Edupreneurs'.

In order to address this issue, HIAL has designed an Integral Education Fellowship program, in association with SECMOL Alternative School. This program started in February 2020 with a study tour where the fellows visited Manzil (Delhi), Auroville and many schools in Chennai and Pondicherry. It is an 18-months long residential post-graduate diploma course in education and management based in Ladakh.



HILLs Fellows at Likir Monastery

ONGOING PROJECTS

Responsible Tourism

In this course, learners will learn to tackle the problems that arise from mass tourism, and receive guidance in inclusive tourism – bringing the tourism economy to rural areas that are remote and haven't benefited from the travel economy yet, to address the problems of rural migration and revitalisation of local economy.

Organic Farm & Forest Produce Processing

This includes sustainable wild-plant harvesting methods, food-plant preservation as well as the creation of non-food products from native plants. This course exposes students to the theoretical and practical skills and knowledge required for developing plant-product businesses; right from the field, all the way to marketing.



UPCOMING PROJECTS

Public Leadership

It is a 3-month short certificate course with the objective of preparing a student to become a social leader. Citizenship Education will be an integral part of the program.

Objectives of the course:

- To encourage youth leadership in the region
- To identify, train and recruit senior leadership for HIAL
- To build successful network of Ladakhis outside Ladakh for HIAL as its friends and ambassadors
- To empower Ladakhis to return to Ladakh and contribute to their motherland with their skills and professional knowledge
- To imbibe higher virtues and work ethics and become overall mindful towards everything they do



*"One touch of nature makes the whole world kin."
- William Shakespeare*

Projects at HIAL Afforestation

“Afforestation, being the plantation of forest plants on an area with no previous plant cover, is one of the major objectives in the development of the HIAL campus.

As such, the plantation team has taken significant initiatives to green the campus primarily with plants native to Ladakh and some horticultural tree crops.”

1 MIYAWAKI PILOT PLANTATION

In the month of April 2019, 10 plant species native to Ladakh like juniper, wild rose, seabuckthorn as well as various herbs and shrubs, were planted on a 6,400 sq ft area of land on the campus. The plantation team is presently maintaining and nurturing this plantation. A survival count of all the plants shall be done by the end of June this year.



2 GREENHOUSE

A large greenhouse with about 2,400 sq ft floor space, has been constructed from natural materials and is well insulated for winter time production. This is being used for the propagation of native plants as well as for winter and springtime production of vegetables.



3 GANGLES PLANTATION

For celebrating Children’s Day 2019, Leh Phudo Society, along with HIAL and Municipal Committee of Leh, organised a ‘Desert Greening Drive’ in Gangles Valley. Five hundred students from five schools of Ladakh participated by planting around six thousand plants. The occasion was graced by the presence of H.E. Palga Rinpoche, Lt. Governor Shri. R.K. Mathur, Venerable Gen Sangasena and CEC-Leh Gyal P Wangyal.



4 SEED BANK AND NURSERIES

HIAL, as the winter approached, started to collect the seeds of various native plant species from local villages, which are ready for plantation in this season. The seeds are being collected with the aim of developing a nursery to support the campus greening. At the same time the collection will be researched upon with an aim of developing a commercial opportunity for propagation of these Ladakhi plants in the future.



5 WORLD ENVIRONMENT DAY

On this occasion last year, the entire HIAL family came together to plant 35 Apple & Apricot trees on the campus, which is now being passively irrigated by the grey water from the staff quarters. A Dutch apple orchard expert working with an organization called Root2Fruit, Mr. Gerrit van Dieren visited the HIAL campus to give inputs about two apple orchards on campus.

This year, we are also planning to expand our current orchards with the addition of more cold-tolerant apple trees.





*"There is no energy crisis, only a crisis of ignorance."
- R. Buckminster Fuller*

HILLs Fellows planting Junipers on Campus

Projects at HIAL Energy

Ladakh's Climate with 300 sunny days per year and temperatures that do not exceed 30 degrees makes it an ideal place to harness Solar energy efficiently.

Our entire campus is solar powered.

1 AN EXPERIMENTAL GREENHOUSE THAT GENERATES SOLAR ENERGY

Since most plants do not need all the sun in Ladakh, a 5 kW Solar Photovoltaic (SPV) system was fixed atop the greenhouse in the winters of 2018. Last year, the greenhouse was planted with Peas and Alfalfa, to test the growth of fodder crops under the partially shaded parts. The peas showed better growth than alfalfa. However, no deductions could be made about the effect of shade as the control area where the same plantation was done outside of the greenhouse did not show any kind of growth. Since then, we have successfully grown vegetable crops like spinach, silverbeet and coriander this year.



2 20 KW SPV POWERED CAR-SHED & BATTERY / GUARD HOUSE

To meet the growing requirements of energy in HIAL, a 20 kW SPV system was installed on a car-shed, probably the first one in the Himalayas. This serves a dual purpose of a solar installation as well as a car-shed with a provision to charge electric vehicles in line with HIAL's aim of promoting e-vehicles in Ladakh.



3 PASSIVE SOLAR HOUSING IN LADAKH: LEARNINGS FROM PAST AND WAY FORWARD FOR MASS-ACCEPTANCE

Energy studies research wing at HIAL is conducting a study to understand the reasons behind the scarce acceptance of the passive solar housing techniques in Ladakh. The study aims to mainstream PSH Buildings in Ladakh by identifying the bottlenecks and suggesting appropriate solutions to them.



“We shall not cease from exploration. The end of all our exploring, will be to arrive where we started, and know the place for the first time.”

- T S Eliot

Projects at HIAL Tourism

“Travelling signifies a union of two sets of people who usually belong from different places, cultures and traditions.

It is not only about sightseeing or driving through the beautiful landscapes. It is about the blend of two identities and experiencing the authenticity of that exchange.

That is the kind of involvement on which ‘Himalayan Farmstays’ are built on.”

1 OUTLOOK RESPONSIBLE TOURISM AWARD FOR BEST SOCIAL IMPACT PROJECT

HIAL’s ‘Himalayan Farmstays’, has been awarded the second position in the **‘Best Social Impact Project 2019’** category by **Outlook Responsible Tourism Awards**.

The Sarpanch of Phyang village, the Host of Skiltang Heritage, Amaley Yangchan and our Tourism Coordinator, Mr. Manish Adlakha went to receive the award in Delhi.



Himalayan Farmstays receiving the Best Social Impact Project 2019 award

2 HIMALAYAN FARMSTAYS

Himalayan Farmstay, an initiative by HIAL focuses on the twin goals of kick-starting the local economy on one hand while providing an authentic experience of Ladakhi culture to its guests. The travellers stay with the local people in their traditional farmhouses and enjoy their warmth and hospitality. Whether it be helping with the farms or milking the cows or cooking together, the guests and the hosts build a unique and lasting bond. This initiative aims at mobilizing communities to adopt ecologically viable practices and promote the true cultural heritage of the region. It also aims at educating the locals on sustainable farming practices and local handicrafts while providing an immersive experience to the tourists in the local traditions.

Himalayan Farmstays has now expanded in Pangong, Mann Village and Sham Valley. It is also features on Airbnb, MMT and other travel portals.



COMMUNITY REACH: PHYANG COMMUNITY MEETINGS

The interesting part of the farmstays initiative by HIAL is the monthly community meetings. HIAL coordinates with the local hosts of Phyang Farmstays to discuss the farmstays related development. A healthy relationship between HIAL and Phyang residents is maintained, which is important for both to co-exist harmoniously.



Community Meetings at Phyang Village and HIAL



4 ICE-HOCKEY RINK

HIAL inaugurated its Ice-Hockey Rink in the winter of 2019 and the first ice-skating/ice-hockey workshop was conducted under the supervision of Mr. Chamba Tsetan, with the children of Phyang village.



An introductory session of Ice-Skating with the children of Phyang



Gundar Farmstay, Phyang Village



*“Water is the driving force of all nature.”
- Leonardo da Vinci*

Projects at HIAL

Ice-stupa

As much as addressing the Climate Emergency is important, finding simultaneous solutions to the growing environmental issues, is also essential.

The Ice Stupa Project has given a new hope to the people of Ladakh.

'Artificial Baby Glaciers,' the Ice Stupa is the future of water conservation, not only here, but also in other mountain deserts in the world.

1

ICE STUPA COMPETITION

The first Ice Stupa Competition was held in 2018 -19 in an endeavor to spread awareness for the need for such water resource management / climate change adaptation measures and the technical know-how of building Ice Stupa artificial glaciers across the villages of Ladakh and was continued this winter. The process started with registrations of various interested villages followed by workshops and training through the months of October and November.

16 villages across Ladakh built Ice Stupas including Igoo, Nang, Gya, Tarchit, Kulum (experimental) in the east; Gangles, Phyang, Takmachik, Takmachik Phu, Skurbuchan, Umla in the west; Mulbek, Lamshu, Sandow, Karith in Kargil and Stongdey in Zaskar. Others like Mahabodhi and Silmoo village of Kargil also built Ice Stupas without participation in the competition. Since Ice-Stupas have garnered international media and expert attention, some Ice-Stupas were also built in Austria and Czek Republik this season.

In an attempt to scale up the project, around seven Ice Stupas were built in Gangles valley itself. In all, there were around 25 Ice Stupas being built in Ladakh this year as compared to 12 last year.



Gangles Valley

2 LADAKH ICE CLIMBING FESTIVAL

The Ice Stupa Project has been experimenting and trying out creation of different kinds of artificial glaciers apart from Ice Stupas such as Ice-Fall artificial glaciers. Our team along with Ladakh Mountain Guides Association (LMGA) created an Ice-Fall glacier in Ganges valley. Ice-Fall glaciers apart from serving as an artificial glacier, are also seen as an opportunity for ice climbing by adventure seekers. Considering this potential, the Ice Stupa Project, along with professionals from LMGA organized a three-day Ice Climbing Festival in Ganges Valley. The event was graced by the Lt. Governor of Ladakh, Shri RK Mathur and the CEC of LAHDC - Leh, Shri Gyal P Wangyal who welcomed and encouraged the event and the initiative.



1 EDUCATION CONFLUENCE

Educational Confluence, a 5-day educational event was held at HIAL (21-25 July, 2019). The confluence curated by our founding CEO, Ms. Gitanjali JB included experiences and discussions related to contextual curriculum, experiential pedagogy and indigenous wisdom in order to design a structured prospectus for the functionality of the university. The event was inaugurated in SECMOL, where Mr. Sonam Wangchuk addressed the participants by sharing his experiences and struggle through the conventional methods of education as opposed to more productive and practical ways of approaching education.

The Confluence witnessed a successful participation of people from diverse fields, age groups and countries like Nepal, Bhutan, US, Vietnam and Australia. They visited multiple locations for an immersive understanding of Ladakhi geography, culture and traditions. Various movie screenings and debates were organised for a holistic understanding of Ladakh, its uniqueness and challenges.

Discussions amongst the participants were held in the World Café format, where everyone brought forward their own examples, experiences and learnings from different geographical and cultural settings. The event concluded with a cultural programme which was graced by HH Drikung Kyabon Chetsang Rinpoche. It would not have been successful without the major contributions from Kiran Vagella and Atul Vyas of Hunarshala, Anita Rampal, Neha Bhatia of SEE (Social, Emotional and Ethical) Curriculum, Ravi Gulati of Manzil, film-maker Stanzin Dorjey Gya, Jinan KB, Shilpi Sarkar and Amitabh Sharma.



Visit to the Basgo fort: A session on Geological History of Ladakh

Highlights Of The Year



Closing Ceremony of Education Confluence: Participants with HH Chetsang Rinpoche and the Advisory Board of HIAL

2 HIAL STUDY GROUP TO VARIOUS UT

Ladakh was declared a Union Territory after 30 years of active struggle. Yet, there was confusion about the modalities of how it would function. HIAL took the initiative to constitute a small study group consisting of representatives from different NGOs, academia, media, religious groups and political parties. The group went to various UTs throughout the country to note and understand their socio-political policies and civic operations between the 5th and 12th of Sept, 2019.

The group returned on the 12th of Sept to Delhi to share their understanding with each other, reflecting upon the various aspects related to functioning of UT Ladakh along with required protections for the locals in a new setup.

The meeting was attended by Sri V. K. Singh, Union Minister of Roads, transport and Highways and Sri. Jamyang Tsering Namgyal, the MP of Ladakh. As decided in the meeting, an all-inclusive memorandum was submitted to the Union Government.



Teams sharing insights in JK House, Delhi



The study group at Shillong

3

I LIVE SIMPLY MOVEMENT

We, in the Himalayan region of Ladakh, are at the forefront of the impacts of climate change. SECMOL and HIAL in Ladakh have been instrumental in innovative measures towards climate change adaptations in the mountains. But, we find that these measures will get us nowhere as long as the people in big cities of the world continue their life and consumption of business as usual.

Mahatma Gandhi has been a person epitomising simple living and high thinking. Therefore, on the occasion of his 150th birth anniversary, we started a global campaign called the **I Live Simply Movement**, in association with UNEP. The movement believes that individual behaviour change is as important to addressing the climate crisis as is policy and political change.

The campaign rides on a non-monetary crowd-funding website that facilitates individuals with a variety of sustainable pledges they can commit to. These pledges in turn has been assigned a dollar value based on research.

The website was launched on the 15th of December, 2019 in Delhi and has so far garnered pledges equivalent to 10 million US dollars.



I Live Simply Movement: Pre-launch at UN House, Delhi



Sonam Wangchuk addressing the digital audience



Launch of the ILS movement: Siri Fort Auditorium, Delhi



Annual theme of a KBP College was based on the ILS ideology

VISITORS



Lt. Governor. Shri RK Mathur, Shri Khenpo Rigzin, CEC-Gyal P Wangyal, Phyang Sarpanch and others visit the HIAL campus



HIAL employees greeting Lt. Governor. Shri RK Mathur on the campus



Visit by the Former Governor of J&K and Ladakh, Shri Satyapal Malik



Prof. Talat Ahmed addressed the HILLS Fellowship students



Visit by Shri. Satish Kumar, Schumacher College



IOCL Chairman, Mr. Sanjiv Singh, with his team



Visit by Maj. General Y P More

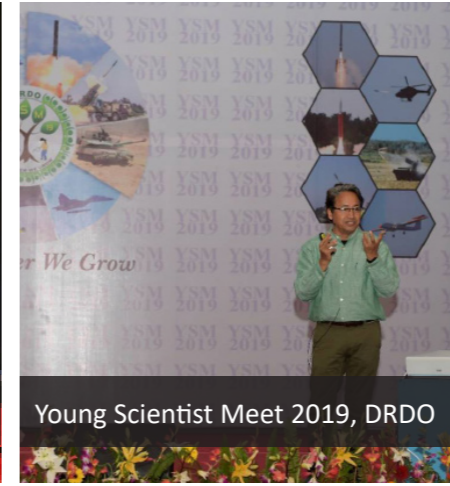


Visit by Anshu and Meenakshi Gupta, Founders of Goonj and Prof. Talat Ahmed, VC of J&K University

TALKS & PRESENTATIONS



BITS Pilani: Talk on Education, Innovation & Entrepreneurship



Young Scientist Meet 2019, DRDO



Yuva Abhyuday, Haridwar, Uttarakhand

- BY SONAM WANGCHUK
- Indian Institute of Management, Bangalore
- Birla Institute of Technology & Science, Pilani
- Indian Institute of Technology, Mumbai
- Press Institute of India
- Defence Research & Development Organisation
- Jaipur Lit Fest
- Dell



BY SUJATA SHAKYA
A spatial story of an innovative campus, SECMOL, IAPEX



TEDx Hyderabad: Why be a lifelong learner?



Receiving Satya Sai Award for Human Excellence from Sadguru Sri Madhusudan Sai; Sharing the stage with Padma Bhushan Shri Padma Subrahmanyam and Shri Rajashree Birla



A talk on 'Education for Tomorrow' at CII's Quality Summit, Bangalore

BY
GITANJALI JB
TEDx Hyderabad
Responsible Tourism, UT Ladakh
ThinkEdu, Chennai
Confederation of Indian Industries (CII), Bangalore
Satya Sai Award for Human Excellence, Bangalore
Bhoomi College, Bangalore



Mr. Rohit Ranjan's Talk on 'Energy Efficient Buildings at HIAL'

BY
ROHIT RANJAN
ANGAN, Green Buildings: HIAL

HIAL FAMILY



HH Chetsang Rinpoche at Education Confluence Closing Ceremony

CHIEF PATRON

His Holiness Drikung Kyabong Chetsang Rinpoche

ADVISORY BOARD

Aba Norphel
ES Gergan
Wangial
Khenpo Rigzin
Mipham Otsal
Murup Namgyal
Sonam Dorje

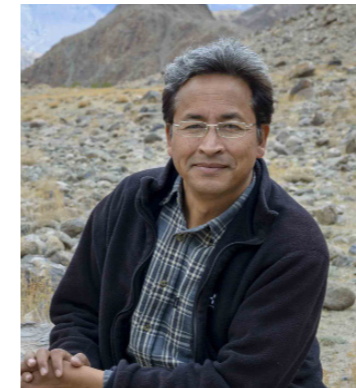


HIAL's founding members with the Advisory Board



Mr. Mipham Otsal, Khenpo Rigzin, Mr. Sonam Dorje - the members of Advisory board with HIAL staff

Senior Management



Sonam Wangchuk
Director



Gitanjali JB
Founding CEO

Finance & Administration



Meenakshi Koul
HR Manager



Kunzang Dolmasiri
Accountant



Michelle Pavri
Executive Assistant



Mohd. Ahsan
Driver & Office Assistant



Anil Kumar
Purchase Incharge &
Delhi Liasoning

Architecture & Construction



Sameer Bajracharya
Lead-architect



Sujata Shakya
Architect & Construction
Manager



Katha Mehta
Design Architect



Faiza Khan
(Former) Lead - Architect
& Lead Faculty



Suril Patel
Consultant for
Architecture &
Construction



Kunzang Tsephel
Assistant Architect



Charanjeet Singh
Site Engineer



Stanzin Namgail
Building Assistant



Skalzang Phunchok
Building Assistant



Tsering Wangdus
Procurement Head

Academics



Varada Kulkarni
Academics Manager



Chamba Tsetan
Academics Co-ordinator

Afforestation



Clare Harrison
Agricultural Researcher



Stanzin Angmo
Lead - Faculty (Plantation)

Energy



Rohit Ranjan
Energy Research Engineer



Tsering Chusom
Maintenance & Project
Officer



Mohd. Hussain
Field Assistant

Tourism



Manish Adalkha
Lead - Tourism



Chirag Mahajan
Experiential Learning
Facilitator

Ice stupa



Deskit Angmo
Environmental Lawyer



Rigzen Mingyur
Technical Executive

Cooking & Housekeeping



Lekhraj
Cook



Sandeep Sharma
Cook & Housekeeping

Communication



Koyena Biswas
Communications Manager



Sonam Dorje
Media Executive



Padma Rigzen
Assistant Media Executive

HIAL IN MEDIA





FINANCIALS

HIMALAYAN INSTITUTE OF ALTERNATIVE LADAKH
HOUSING COLONY, NEAR POLICE COLONY LEH, LADAKH
Balance Sheet as at 31st March, 2020

| Particulars | Note No | As On March 31st, 2020 | As On March 31st, 2019 |
|---|---------|---------------------------|---------------------------|
| I. EQUITY AND LIABILITIES | | | |
| (1) Shareholder's Funds | | | |
| (a) Share Capital | 2 | 1,00,000 | 1,00,000 |
| (b) Reserves and Surplus | 3 | 3,00,15,759 | 1,34,30,401 |
| (c) Money received against share warrants | | | |
| (2) Share application money pending allotment | | | |
| (3) Non-Current Liabilities | | | |
| (a) Long-term borrowings | 4 | (9,036) | (9,036) |
| (b) Deferred tax liabilities (Net) | | | |
| (c) Other Long term liabilities | | | |
| (d) Long term provisions | | | |
| (4) Current Liabilities | | | |
| (a) Short-term borrowings | | | |
| (b) Trade payables | | | |
| (c) Other current liabilities | 5 | 18,81,801 | 14,55,968 |
| (d) Short-term provisions | | | |
| Total | | 3,19,88,524 | 1,49,77,333 |
| II.Assets | | | |
| (1) Non-current assets | | | |
| (a) Fixed assets | | | |
| (i) Tangible assets | | | |
| (ii) Intangible assets | 9 | 2,26,01,003 | 1,03,90,167 |
| (iii) Capital work-in-progress | | | |
| (iv) Intangible assets under development | | | |
| (b) Non-current investments | | | |
| (c) Deferred tax assets (net) | | | |
| (d) Long term loans and advances | | | |
| (e) Other non-current assets | | | |
| (2) Current assets | | | |
| (a) Current Investments | 6 | - | - |
| (b) Inventories | | | |
| (c) Trade receivables | 8 | 37,28,017 | 17,96,532 |
| (d) Cash and cash equivalents | 7 | 56,59,504 | 27,90,634 |
| (e) Short-term loans and advances | | | |
| (f) Other current assets | | | |
| Total | | 3,19,88,524 | 1,49,77,333 |

HIMALAYAN INSTITUTE OF ALTERNATIVE LADAKH
HOUSING COLONY, NEAR POLICE COLONY LEH, LADAKH
Profit and Loss statement for the year ended 31st March, 2020

| Particulars | Note No | As On March 31st, 2020 | As On March 31st, 2019 |
|---|------------|---------------------------|---------------------------|
| I. Donation and Grants Received | | 3,92,21,393 | 1,71,87,892 |
| II. Other Income (Interest Income from FDR) | | | 1,45,972 |
| III. Total Revenue (I +II) | | 3,92,21,393 | 1,73,33,864 |
| IV. Expenses: | | | |
| Cost of materials consumed | | | - |
| Purchase of Stock-in-Trade | | | - |
| Changes in inventories of finished goods, work-in-progress and Stock-in-Trade | | - | - |
| Employee benefit expense | | 14,11,490 | 27,61,739 |
| Financial costs | | - | 3,760 |
| Depreciation and amortization expense | | - | - |
| Expenses on Projects and Administration | 1 | 2,12,24,544 | 1,08,23,774 |
| Total Expenses | | 2,26,36,034 | 1,35,89,273 |
| V. Profit before exceptional and extraordinary items and tax | (III - IV) | 1,65,85,359 | 37,44,591 |
| VI. Exceptional Items | | - | - |
| VII. Profit before extraordinary items and tax (V - VI) | | 1,65,85,359 | 37,44,591 |
| VIII. Extraordinary Items | | - | - |
| IX. Profit before tax (VII - VIII) | | 1,65,85,359 | 37,44,591 |
| X. Tax expense: | | | |
| (1) Current tax | | - | - |
| (2) Deferred tax | | - | - |
| XI. Profit(Loss) from the period from continuing operations | (VII-X) | 1,65,85,359 | 37,44,591 |
| XII. Profit/(Loss) from discontinuing operations | | - | - |
| XIII. Tax expense of discounting operations | | - | - |
| XIV. Profit/(Loss) from Discontinuing operations (XII - XIII) | | 1,65,85,359 | 37,44,591 |
| XV. Profit/(Loss) for the period (XI + XIV) | | 1,65,85,359 | 37,44,591 |
| XVI. Earning per equity share: | | | |
| (1) Basic | | 1,658.54 | 374.46 |
| (2) Diluted | | - | - |

SUPPORTED BY

We can only achieve our vision with the support of passionate individuals and organisations that help us by contributing in various ways. We sincerely thank our Chief Patron, HH Chetsang Rinpoche, Ladakh Autonomous Hill Development Council, Leh, our Advisory Board, Phyang Village and all our supporters to believe in our ideology and support us consistently.



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Mr. Prabhat Singh, MD, Petronet LNG



Mr. Sanjiv Singh, Chairman, IOCL



Future Institute's Team discussing HIAL's 'Master Plan.'



Ms. Sohini Karmakar and her team, Citrix India



HCL's Team at Upper Valley, Phyang



...And the Journey Continues!

Children from Phyang Village, the participants of Ice-Skating Workshop