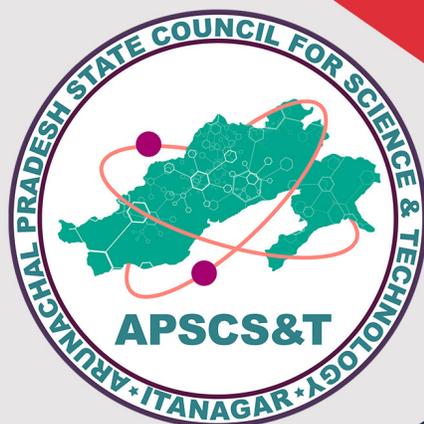


ARUNACHAL PRADESH
STATE COUNCIL FOR
SCIENCE & TECHNOLOGY

(DEPARTMENT OF SCIENCE & TECHNOLOGY)
GOVT. OF ARUNACHAL PRADESH



ANNUAL
REPORT
2020-21

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HONCHUN NGANDAM
MINISTER
Rural Works and
Science & Technology
Arunachal Pradesh



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MESSAGE

I am happy to learn that Arunachal Pradesh State Council for Science and Technology DST, Govt. of Arunachal Pradesh has bringing out its Annual Report for the year 2020-2021. The report highlights the significant achievements that have been made by the Council as well as important activities undertaken by it. This report showcases the many ways in which the council supports the promotion of S&T in the state.

I extend my compliments and best wishes to the publication.

(HONCHUN NGANDAM)

Dated : 7th Nov., 2022
Place: Civil Secretariat, Itanagar.

Bamang Mangha
CHAIRMAN



Arunachal Pradesh
State Council For Science & Technology
(Department of Science & Technology)
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Date.....

M E S S A G E

Science and Technology has been become integral part of all round development of the society. It goes without saying that a nation's development and prosperity is judged largely by the status of Science and Technology of that Nation.

I am delighted to note that the Council is bringing out its Annual Report for 2020-2021. The report highlights the significant achievements that have been made by the Council as well as important activities undertaken by it. This report showcases the many ways in which the Council supports the promotion of S&T in the state.

I extend my good wishes to entire team of the Council who involved and for making the council a role model for others to follow.


(BAMANG MANGHA)

M E S S A G E

I believe that the role of Science & Technology for development must be directed within the framework of fundamental, social, culture and economic rights in a peaceful and cooperative world. Science and Technology is the pivot of any nation's development.

I am glad that Arunachal Pradesh State Council for Science and Technology has been making its sincere efforts in this direction and is bringing out its Annual Report of the year 2020-2021


(REMO KAMKI)



A.P. STATE COUNCIL FOR SCIENCE & TECHNOLOGY
(DEPARTMENT OF SCIENCE & TECHNOLOGY)
GOVT. OF ARUNACHAL PRADESH
ESS-SECTOR, ITANAGAR -791113

C.D. Mungyak
Director -cum- Member Secretary

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Ref. No.....

Date.....

Foreword

It gives me immense pleasure to present the Annual Report of Arunachal Pradesh State Council for Science and Technology for the year 2020-2021

The Arunachal Pradesh State Council for Science and Technology, was established in the year 1992 (registered under the Societies registration Act 1860) with the prime objective for application and popularisation of science and technology in the state. The Council as a nodal agency carry forward all the programs of the Government of India's Department of Science & Technology.

I am extremely happy to put on record that APSCS&T accomplished the task expected of it by organising various Science and Technology activities and exhibitions across the state on various occasions. The council has been successful in carrying out the desired objectives of the DST, Govt. of India and Govt. of Arunachal Pradesh by implementing numerous Projects related to Science & Technology. The Council has also established linkages with the various RD and scientific institutions in the country.

The above achievements were possible only through the single minded and untiring efforts of our scientists and researchers, and the partners involved with our R&D programme throughout the year.

I would also like to express my heartfelt gratitude to the staff and officers of APSCS&T who have been involved on preparation of the annual report.

Place : Itanagar
Dated :

(C.D. Mungyak)
Director Cum Member Secretary
A.P State Council for Science & Technology



INDEX

1. INTRODUCTION

2. REGULAR PROGRAMME UNDER SCIENCE & TECHNOLOGY DEVELOPMENT
ACTIVITIES DURING 2020-2021 IN ARUNACHAL PRADESH BY APSCS&T

3. RESEARCH AND DEVELOPMENT PROJECTS/PROGRAMME
TAKEN UP BY COUNCIL DURING THE 2020-21

4. ORGANISED WORKSHOP/SEMINAR AND PARTICIPATED
IN SCIENTIFIC PROGRAMME

5. PHOTO GALLERY

6. APSCS&T IN NEWS

7. AUDIT REPORT

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INTRODUCTION

Arunachal Pradesh State Council for Science and Technology was established in 1992 as an autonomous organization under the state government's Department of Education and registered under the Societies Registration Act, 1860 (Extension to Arunachal Pradesh, 1978) and later brought under the Department of Science and Technology, Government of Arunachal Pradesh in 1998. Its prime objective is to bring about the application of science and technology to address local issues and accelerate sustainable development of the State through science and technology.

As a nodal agency it carries forward all the programs of the Government of India's Department of Science & Technology and takes it to the people.

Its administration and management are conducted by its Executive Committee comprising of a Chairperson, Secretary, and Commissioners to the state government. Its daily affairs and administration are looked after by the Chief Executive, i.e., the Director / Member Secretary.

Despite the setbacks and hurdles posed by the Pandemic (COVID-19) since March 2020, the Arunachal Pradesh State Council for Science and Technology (APSCS&T), has not left any page of its works or projects unturned.

Though much of stress and dilemma was faced, the Council has foregone all the difficulties and has carried out all works to the best possible. It continues, undaunted, to promote scientific and technological services in the state.

OBJECTIVES OF APSCS&T

1. To indicate optimum development of untapped new and renewable sources of energy in Arunachal Pradesh by applying contemporary scientific research and appropriate technology.
2. To plan and strategies, development programme for academic research and development in existing institutions of the state.
3. To assist the State government in developing suitable Science & Technology structures to ensure and promote the application of proper scientific method and technology in rural areas that will assist the administration in all matters relevant to application of science and Technology in the regional development and preparation of perspective planning.
4. To liaise with national organizations in facilitating collaboration and transfer of scientific and technological know-how.
5. To recommend means of popularizing the use of Science and Technology amongst the people of the State and utilization of mass media, participation in and organization of seminars, exhibitions and other such related activities and also development of application centers, Museum etc.
6. To evolve a long term science & technology policy and programme keeping in view the natural resources/geographical features and socio-economic conditions available in the state.
7. To ensure that Science & Technology is harnessed meaningfully for the development of the state.
8. To evolve strong and workable mechanism for the transfer of indigenous technology
9. To identify projects and programmes to improve the conditions of the rural population and improve the quality of the health and hygiene.
10. To promote and fully involve the various departments connected with development schemes as well as the people.
11. To promote all activities which are necessary or conducive to the attainment of the objectives of the society.

Arunachal Pradesh Science centre was established under the aegis of Arunachal Pradesh State Council for Science and Technology and inaugurated on 3rd December 2005, by the then Chief Minister, Shri Gegong Apang at the Indira Gandhi Park in Itanagar. Since its establishment, AP Science centre has become a centre for exhibitions and expositions that explores the knowledge unknown.

PROGRAMME AND PROJECTS

TAKENUP BY APSCS&T UNDER SCIENCE & TECHNOLOGY DEVELOPMENT ACTIVITIES DURING 2020-21

01. COLLABORATIVE PROGRAMME ON SCIENCE AND TECHNOLOGY COMMUNICATION FOR ENTREPRENEURSHIPS DEVELOPMENT AMONG THE TRIBAL WOMEN OF ARUNACHAL PRADESH AND ASSAM

It is a programme of Vigyan Prasar coordinated by Arunachal Pradesh State Council for Science & Technology (APSCS&T), Itanagar and Society for socio-economic awareness and environment protection (SSEAEP), Nagaon, Assam. The programme would focus on augmentation traditional knowledge of tribal women through appropriate adaptation of scientific approaches and technological application to produced value added product and develop entrepreneurial skill among them. The project will be targeted for the tribal women of Assam and Arunachal Pradesh.

02. DEMONSTRATION OF THE TECHNOLOGY ON GEOTHERMAL HEATING & COOLING SYSTEM AT KIMIN GENERAL HOSPITAL, PAPUM PARE DISTRICT ARUNACHAL PRADESH

The project has been established as a technology demonstration for the entire North East region where there is tremendous potential for geothermal energy utilization as there is requirement of both cooling and heating in many parts of the region, which is ideal for such a system. Apart from conservation of energy through high efficiency variable refrigerant volume heat pump, this system also addresses conservation of water which is another crucial resource that needs to be conserved. Analysis showed that in cooling mode, geothermal based heat pumps are 29% more efficient than conventional water based heat pump and in heating mode



Hon'ble MP Shri Nabam Rebia inaugurates the Geo-thermal heating & cooling system at GH Kimin on 24th February 2021

geothermal based heat pump are 31% more efficient than conventional electrical heater. Compressor in the heat pump requires electrical energy for its operation. This electrical energy was proposed to be offset through renewable source of energy.

Extremely cold climate conditions of the region provide a huge geothermal potential that can be tapped and this is an opportunity for India. The use of various conventional sources for heating the space is deteriorating people's health, the temperature remains below 0°C for more than seven months. Irregular rainfalls in this region lead to a shortfall of potable water. Conventional fuels such as LPG, coal, kerosene, etc. are costly due to the high transportation cost. On the other hand, extracted energy by combustion of fossil fuel is poor due to the lack of sufficient oxygen at an altitude above 9000 feet. Hence, there is a need to develop environment-friendly sustainable technologies for heating of buildings such as geothermal to overcome the existing problems and develop generic models for different built-up area buildings with payback and quantified guarantee. With a focus on the related issues and factors, the Arunachal Pradesh State Council for Science and Technology, Department of Science and Technology Govt. of Arunachal Pradesh has taken an initiative to implement the project with an aim to carry out demonstration of heating & cooling system (Geo-thermal Technology) integrated with renewable energy system at Kimin General Hospital of Papumpare District in Arunachal Pradesh. It will meet the energy requirements of the Kimin general hospital. The project has been completed and inaugurated on 24th February 2021.

03. SETTING UP OF RURAL APPROPRIATE TECHNOLOGY DEMONSTRATION CENTRE IN ARUNACHAL PRADESH AT KIMIN



The **Rural Appropriate Technology Demonstration Centre** is being set up at Kimin, Papumpare district of Arunachal Pradesh with an aim to imparting skill training and providing economic sustainability to the rural population of the state. The future prospects will involve training for the farmers, entrepreneurs and women of the state on different aspects of entrepreneurial skills using science and technology intervention for economic sustainability. So far the work progress under the project during the year 2020-2021.

The centre had received the machineries and equipment from Engineered Bamboo Furniture and Interior Works received and Procurement process for the Food Syrup and Squashes technologies is in progress.

On 24th April' 2021, Hon'ble Science and Technology Minister of Arunachal Pradesh Shri Honchun Ngandam had visited the RTDC site and interact with the scientists and projects officials on the progress and plan of the project. He inspects the Vermicomposting and Oil distillation plant and appreciated the progress.

04. ESTABLISHMENT OF STATE-OF-THE ART ORCHIDARIUM AT KIMIN FOR CONSERVATION AND MULTIPLICATION OF THE PRIORITY ORCHID SPECIES ALONG WITH ESTABLISHING SATELLITE UNITS IN THE SELECTED VILLAGES TO PROMOTE ORCHID BASED ENTREPRENEURSHIP IN THE RURAL AREAS OF ARUNACHAL PRADESH

The main objectives of the DBT- PMC recommended programme “Establishment of State-of -the Art Orchidarium in the main centre at Kimin for the conservation and multiplication of the priority orchid species along with establishing satellite units in the selected villages with a view to promote orchid based entrepreneurship in the rural areas of Arunachal Pradesh” are;

- (a) **Establishment of State-of-the-Art Orchidarium in the DBT-APSCS&T Centre at Kimin for Conservation and Multiplication of priority RET and economically important orchid species of Arunachal Pradesh.**
- (b) **Establishing satellite units in selected villages to promote orchid based entrepreneurship in rural areas of Arunachal Pradesh and to nurture potential orchid farmers and to organize production and marketing groups.**

The following initiatives have been taken till date for implementation of the programme:

The centre has already begun with the initial work of collecting of important orchids and maintaining them for conservation and propagation. The 69 Nos. of orchids have been identified for collection, cultivation and multiplication.

05. PROJECT ON BLACKTOPPING OF ROAD USING PLASTIC WASTE MATERIAL

A road was laying at Itanagar using waste plastics on 29thMay2020. This is initiative of Arunachal Pradesh State Council for Science &Technology (APSCS&T). This is the first of its kind project where waste plastic has been used in road construction in Arunachal Pradesh. The project is being jointly implemented by Arunachal Pradesh State Council for Science &Technology (APSCS&T) and Arunachal Pradesh Public Work Department (APPWD) along with technical guidance from Central Road research Institute (CRRI), New Delhi. Lab testing of the aggregates' and plastic qualities shall be done by the CRRI in their lab. The project is being funded by the Government of Arunachal Pradesh with multi-prong objectives.

- i. **Conversion of waste plastic into useful product thereby reducing the menace of plastic waste and help waste plastic management.**
- ii. **To prolong the road durability and improve quality.**
- iii. **Revenue generation/employment generation amongst the rag pickers and help them for their livelihood.**



06. TRANSLATION OF SCIENCE BOOK POPULARIZATION BOOK KYUN AUR KAISE TRANSLATED IN GALO LANGUAGE OF ARUNACHAL PRADESH ON 8TH SEPTEMBER 2020

The People of Arunachal Pradesh speak various dialects, each seemingly unrelated to the others. As a matter of fact, most of the words in all Arunachalee dialects have originally come from the same root. The similarity is striking. If more attention is paid to the development of our languages, dialect with the idea to unite them rather than separate them.

The Galo one of the major tribe and inhabited in the districts of viz, West Siang, Lower Siang, Leparada and also in some parts of East Siang, Upper Siang Upper Subansiri district of Arunachal Pradesh, have their own language of the Tani branch of the Tibet-Burman language family, one of the largest and most diverse language families in the world.

As there has been no substantial materials and project so far been made related to the clan, people of the state in particular, it may form a basics for future younger generation of these tribe in particular and in general for the people of Arunachal Pradesh in general. Keeping this in the mind, an attempt has been made to give an aspect on popularization of science related book as translated in Galo language to make the users easily and better understanding by reading and learning of science in own dialect. The objective of the projects was:

- To make easy understanding of the science and scientific facts in reading of learning through own dialects.
- To make an easy interpretation and identification of scientific words.

The book is being developed by Vigyan Prasar and the project was funded by National Council for Science and Technology Communication, Department of Science and technology, Govt. of India, New Delhi and sanctioned to Arunachal Pradesh State Council for Science and Technology, Itanagar, under the project 'Translation of science popularization materials book "*kyun Aur kaise*" in Galo language of Arunachal Pradesh. The translated book by Dr. Pakngu Lombi, Scientist- C & Deputy Director technical) of the council was finally released on 8th September 2020 by C.D Mungyak, Director cum Member Secretary, APSCS&T in midst gathering. Shri Yaadam Loyi, Member Secretary, Galo Language Development Committee of Galo Welfare Society was also invited to attend in the releasing ceremony. It is hoped that this translated book will help our young scholars realize the vast potentialities of science and will infuse in them a desire to learn things in the true scientific perspective and to work more deeply towards achieving the final goal.



07. WORKING ON ESTABLISHMENT OF HIMALYAN KNOWLEDGE NETWORK (HKN) IN ARUNACHAL PRADESH

The Indian Himalayan Region (IHR) is the section of the Hindu-Kush-Himalaya (HKH) within India. The IHR extends to 11 states (09 fully - Himachal Pradesh, Uttarakhand, Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram, Tripura, Meghalaya; and 02 partially - hilly districts of Assam, and West Bengal) and 02 Union Territories (Jammu & Kashmir and Ladakh). The region comprises about 4% of the total India's population (48.6 million), 16.2% of the total geographical area (5,33,604 km²), 30% of the total ethnic group's (170), 36% of the total forest cover (2,50,708 km²), 44% of the total biodiversity, 63% of the total water flow budget and 100% of the alpine & glacial systems of India. The HKN is also known as the 'Third Pole'- the water tower of south Asia. Three major river systems, Brahmaputra, Ganga and Indus originate from this region and provide life giving water to millions of people downstream. The Himalayan region is therefore well recognized in terms of its richness in natural resources, forests, flora/fauna and socio-cultural diversity. The innumerable ecosystem services provided by the IHR such as fresh water, food materials, life-saving medicinal products, habitat for rich biodiversity, cultural services etc. are not only important to the people living in this region but also to those living downstream and adjoining neighboring countries.

Thus, Himalaya is at the crossroads of environment change and sustainable development. The IHR is rich also in human resources and expertise in various sectors of environment & development. There are 145 universities (Central-15, State-59, Deemed-5, and Private-66) and over 2000 faculty and 500 scientists work in these institutions and R&D organizations. Most R&D organizations/ Institutes/University work independently and there is no inter-institutional and inter-university network to collect, compile, collate and synthesize the data/ information that could be

utilizable by the State/ Central planning and policy making arena. Additionally, knowledge and learning to customize policies and practices to specific situations is limited due to deficiency and integration of existing database in this region. These issues create a huge gap in synergy and convergence across disciplines, sectors and people working on the environment & sustainable development issues of the IHR.



Considering the importance of IHR, National Action Plan on Climate Change (NAPCC) has recognized IHR vital for sustainability of the country. NITI Aayog, Government of India has also highlighted the importance of data base for decision making in the vulnerable Himalayan region. The lack of data sharing among different stakeholders remain scattered and fragmentary and need to be countered with innovative and effective ways of knowledge documentation, creation, dissemination and, finally its sharing for the welfare of mountain inhabitants and other end-users. To address these critical issues, there is a need to foster collaboration and networking among scientists, policy makers and practitioners, leading to improved convergence and synergistic actions in a holistic and integrated manner and need

to build a dynamic mountain knowledge partnership and networking across various sectors that sets the pace of informed decision making for reconciling conservation and development actions in the IHR

Realizing the gravity of this issue the NITI Aayog, Govt. of India has identified GBP-NIHE as a Centralized Data Management Agency (CDMA) to enhance institutions and human skills along with strengthening R&D. In view of the above, the 'Himalayan Knowledge Network' (HKN) has been conceptualized to enhance collaboration and networking among all relevant institutions engaged with Himalaya specific R&D leading to environmental conservation and sustainable development practices to cater to the need of planners and policy makers. The following are the objectives for which the programme has been conceptualize with objectives:

1. **Develop an understanding of the need for establishing Himalaya Knowledge Network (HKN),**
2. **Identify partners/ nodal agency at state-level to house the HKN, and**
3. **Making HKN functional and drawing a way forward**

The Arunachal Pradesh State Council for Science and Technology (APSCS&T) has signed a letter of agreement (LoA) with G.B. Pant National Institute of Himalayan Environment, North East Regional Centre, and Itanagar to facilitate the sharing of data/information relating to science-policy-practice interface for the Himalayan Environment and Development. No. of state level seminars and consultative workshops were conducted by APSCS&T on HKN w.e.f 24th February 2021 to 28th March 2021. The programme is being supported and funded by NERC, GBP-NIHE.



Signing of LoA

08. TECHNOLOGY BASED ENTREPRENEURSHIP DEVELOPMENT PROGRAM (TEDP)

The **TEDP** online training programme is to boost graduated un-employed youths to begin entrepreneurship start-ups and this training will let them start business of their choice niche to generate revenue. The training will guide the youths to self-reliant through lucrative entrepreneurship. After the training un-employed graded youths can choice a business of their niche and use their subject knowledge for better entrepreneurship. It is proposed that 10 Batch will be provided TEDP Training for 300nos. of graduated unemployed youths of the state with 30nos of participants in per batch. The project is funded by Innovation and Entrepreneurship Division, Department of Science and Technology, Govt. of India.

09. ESTABLISHMENT OF SCHEDULED TRIBE ST CELL IN STATE SCIENCE AND TECHNOLOGY COUNCIL OF ARUNACHAL PRADESH STATE

ST Cell means the nodal coordination center, which is especially relevant to ST community of rural areas of Arunachal Pradesh. It would help in integration of ST Science Technology empowerment in the planning process, development of ST community's required Science and Technology at state level and last mile delivery of intervention. It would help in mapping of livelihood system for planning of development strategies, identification of technological gaps including mapping of technological needs, formulation of research/demonstration/projects as well as specific programmes leading to socio-economic development of the community by utilizing local resources and skills of target communities. It is essential to develop the skill of the rural people

in the above mentioned areas. The awareness and training phase will help the rural people to know the need and necessity of technology interventions for need based project and improve their life style. The data survey and mapping involves the utilization of various tools for information assimilation. Major data can be collected through Primary sources with the help of structured questionnaire by sending survey team for door to door household survey. Additional information can also be collected from Secondary sources through discussions, literature review and database of past and running projects. The project is funded by SEED Division, Department of Science and technology Govt. of India.

OBJECTIVES OF CELL:

1. To assess the Livelihood System for sustainable livelihood planning through science, Know-how, and practices. And bottom up approach for gathering of Livelihood frame work assets consisting of (i) Human, (ii) Natural,(iii) Social,(iv) Physical and (v) Financial Capitals.
2. To capture traditional indigenous knowledge and upgrade the skills, building on local innovation local knowledge systems.
3. Establishment of a database of promising technologies that can be taken up for widespread adaptation.
4. Mapping of the above data and resources on a Spatial Domain.
5. To act as Coordination Cell to promote adaptation of appropriate and relevant technologies for socioeconomic development of target population.
6. Promotion, replication and scaling up of successful technologies leading to socio economic empowerment and capacity building.
7. Development of programs and projects for strengthening human capacities, Institutional capacities and technology deployment.
8. Give awareness programme to villagers, SHG, Cooperative society at grass root level to approach for need based projects for rural tribal community. And raise awareness about ST based projects available from time to time.

10. REVITALIZATION, UPGRADATION AND PRESERVATION OF TRADITIONAL TRIBAL METAL, ALLOY HERITAGE CRAFTS AND ARTISANAL SKILLS OF ARUNACHAL PRADESH

Revitalization, upgradation and Preservation of Traditional Tribal Metal, Alloy Heritage Crafts and Artisanal Skills of Arunachal Pradesh is the approved project taken by the DBT-APSCS&T with following objectives:

OBJECTIVES:

- (i) Collection of age-old information on the traditional practices of metal, alloy crafts and craftsmanship through survey, direct contact with surviving artisans of the indigenous tribes of Arunachal Pradesh.
- (ii) Documentation of know-how of the tribal traditional metal/alloy crafts and craftsmanship in written form and through video photography.
- (iii) Establishment of craft training cum production centre and work in organized and sustainable manner towards development, revitalization and preservation of traditional metal, alloy crafts and craftsmanship of the tribes of the state.
- (iv) Organize training programmes and encourage participation of local unemployed and train these youths on metal, alloy crafts and craftsmanship for the development of indigenous tribal art and crafts and as well as would provide scopes to the trained youths for self-employment and income generation.
- (v) Upgradation of the traditional methodologies of preparation, design and artistic component of metal, alloy handicrafts with amalgamation of modern and scientific techniques of preparation and equipment.

RESEARCH AND ACHIEVEMENTS:

During the course of implementation of this project under report, field survey has been carried out in the two districts of Kurung Kumey and Papum Pare of Arunachal Pradesh to gather, document valuable information on indigenous tribal metal, alloy crafts prepared by several old artisans residing in various parts the two districts. A total of twenty villages spreading over five blocks dominated by people belonging to the Nyishi tribe have been covered during the period. During these field surveys, information on traditional and indigenous tribal metal, alloy crafts, products and craftsmanship has been gathered and documented form old artisans of the Nyishi tribe. Several valuable information such as traditional process and practices on raw materials being used, methods of preparation of alloy, methods of designing, time required for preparation of products, craftsmanship, utilization of the products and its estimated price, value in the tribal societies etc. have been

gathered through direct interaction with surviving artisans of the indigenous tribes of Arunachal Pradesh. Their experiences and knowledge shared were recorded in written form and also through video photography. Information regarding the constraints they currently face as well as lack of patronage was also shared properly by the artisans. The knowledge shared and information gathered will be useful in innovating future approaches such as infusing some new element to give their craft a modern design and touch, patronage, marketing prospects so that these artisans does not lose interest and motivation to continue with their valuable indigenous metal, alloy crafts and craftsmanship.

Training cum production centre with two room semi-permanent type work- shed have been set up and developed through the partnering registered society i.e., the Arunachal Pradesh Tribal Research & Skill Development Society (APTRSDS) at its premises in Itanagar. Equipment and machinery have been procured and installed in the work-shed. One training programme has been conducted in association with APTRSDS during the period under report w.e.f. 2nd to 20th February, 2020. In the first phase of the training programme, twenty participants have been trained in different processes of traditional metal, alloy craftsmanship, designing and preparation of various products. The trainees were given an idea of the indigenous methodology involved in the craft and also the machines and equipment used in the processes. The whole training programme has been documented through video recording.

The training programme was organized with the main objective for skill development in youths and up-gradation of skills through the use of modern equipment and tools. The traditional tribal artefacts, ornaments produced by the trainees during the training period have been given the final touch by the master trainer from APTRSDS. These artefacts and ornaments produced will be marketed by the society for generating income and income generated will be used for self-sustainability of the society. Implementation of the project is under progress towards achieving the approved objectives.

TECHNOLOGY DEVELOPMENT:

The training cum production centre developed through APTRSDS is working on for infusing interest among local youths on the traditional metal, alloy crafts by providing trainings, technical guidance to interested youths, perspective entrepreneurs for establishing cottage and small-scale industries based on metal and alloy crafts. Work on up-gradation of traditional, indigenous methodologies, skills of preparation, artistic component, designs of metal alloy handicrafts are being carried out by using the tools and equipment installed.

OBSERVATION /REMARK/SUGGESTION:

Up-gradation and preservation of the indigenous knowledge /value systems possessed by the tribal people of Arunachal Pradesh related to metal, alloy art and crafts, craftsmanship would be safeguarded and the ancient knowledge from being lost and further depletion. The vast treasure of indigenous knowledge systems associated among the tribal populace in the state are community and location specific. Documentation of these traditional knowledge systems provides scope for use of these age-old wisdoms by our future generations. The rich age-old heritage of metal, alloy art and crafts of the tribes of the state has seen major changes with passing of times and has faded away from the society due to lack of dedicated approach towards in revitalization and as well as with onset modernization. Work done under this project and the training cum production centre that has been set up is definitely going to help towards development, revitalization and preservation of the rich tradition of metal, alloy art and crafts of the tribes of the state.

11. ESTABLISHMENT OF BANANA FIBRE EXTRACTION AND PROCESSING UNITS IN SELECTED DISTRICTS OF ARUNACHAL PRADESH

The primary objectives of the DBT sanctioned programme entitled “**Establishment of Banana Fibre Extraction and Processing Units in Selected Districts of Arunachal Pradesh**” are;

- To establish Banana Fibre extraction and processing units in three selected locations of Arunachal Pradesh.
- Sustainable utilization of available wild banana resources and encouraging commercial cultivation of banana-like Bhimkhol, Bhatmanohar, Chinnia, Malbhog, Grand naine etc. The possibility of Introduction of varieties like Nendran, Monthan would also be looked into.
- To demonstrate and give technical trainings and assistance to farmers, self-help groups and small entrepreneurs on extraction and processing of the banana fibers/rope and encourage them for setting up such processing units.
- Processing and value addition of the untapped resource
- Develop niche market, marketing linkages with industries for the banana fiber as raw material and products like ropes, etc.



The following initiatives have been taken for implementation of the program so far;

A. One-day long Training cum Awareness Programme on Banana Fibre Extraction Method and Value-Added Product Development was organized on 17th December, 2020 at the DBT-APSCS&T Centre at Kimin. Progressive farmers representing farmers groups from various parts of Papum Pare District has attended the program with active cooperation from Arunachal State Rural Livelihood Mission. The workshop was a successful one with a technical resource person from the Rural Technology Centre. The farmers have shown their best interest in pursuing the project with great enthusiasm.

B. Workshop/awareness program was organized to promote the Banana Fibre extraction, processing, and entrepreneurship development avenues. The workshop was organized on 5th March 2021, with support from the College of Horticulture and Forestry, Central Agriculture University, Pasighat, East-Siang District of Arunachal Pradesh.

C. Workshop on “Value-added product development from Banana Fibre” was organized to impart technical training to the self-help group of the Kimin area. The workshop was successful and encouraged the young entrepreneurs and self-help group members to fabricate various handmade products from the extracted banana fiber.

D. A day-long exhibition was organized to showcase the prospects of banana fibre-based handmade products. The exhibition was visited by ShriHonchunNgandam, Hon’ble Minister of Science & Technology, Govt. of Arunachal Pradesh as a special guest along with other distinguished dignitaries and officials of the State Govt.

A novel natural dyeing process for banana fibre has been developed by the Centre. The dye extracted from *Rubiocordifolia* has been successfully dyed-through a temperature-based process. The process parameters have been optimized/standardized for efficient and resistant dyeing of the banana fiber.



12. ESTABLISHMENT OF MEDICINAL AND AROMATIC PLANTS GARDEN FOR EX-SITU CONSERVATION OF PRIORITY SPECIES AND ESTABLISH ESSENTIAL OIL DISTILLATION UNITS

Programmes on promoting the cultivation of medicinal and aroma crops at the farmers level are undertaken along with buy-back arrangements with industries. A medicinal and aromatic plant garden for the conservation of RET species of Arunachal Pradesh has been established in the DBT-Centre, Kimin. Currently, the garden has more than 200 variety of Medicinal and Aromatic plants. A workshop/awareness programme was organized to promote medicinal and aroma crops' cultivation to attain an alternative and sustainable livelihood among the farmers of the Pasighat area of East-Siang District. The workshop was organized on 05th March 2021, with support from the College of Horticulture and Forestry, Central Agriculture University, NH52, Medog, Pasighat, Arunachal Pradesh 791102. The farmers were informed in detail about the project and the benefits they will get from the same. The farmers promised support for the successful implementation of the project. They have also promised to lend their land resource for the dedicated cultivation of medicinal and aromatic plants. DBT-APSCS&T CoE Bio resource and Sustainable Development is in a final stage of developing and signing an MoU with CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow. CIMAP has kindly agreed to provide full package for implementation of the programme and also impart consultancy & training services to farmers/ entrepreneurs for complete technical know-how/ training to farmers, SHGs, entrepreneurs and scientific staff of DBT-APSCS&T centre on the cultivation of medicinal and aromatic plants, soil 9 quality testing, land preparation/inter culture, irrigation pattern, selection and application of fertilizers, pest and disease management, harvesting, storage, post-harvest management, packaging etc. The training will also cover maintenance of quality/ quality control of the produced medicinal and aromatic plants, norms and certification process for commercial sale or export of herbal raw materials. Tissue culture and other techniques for medicinal plant sapling production and maintenance. Concerning aromatic plants; in addition to the previous point; CSIR-CIMAP has kindly agreed for complete support for the following: installation of Field Distillation Units in the selected clusters, trial run/training and demonstration, training of the farmers / youth/women on the production of essential oil, training of the farmers on various aspects of distillation and value addition of aromatic plants. CSIR-CIMAP will also provide hand-holding in marketing and market linkage development

13. DEVELOPMENT OF INTEGRATED MODEL VILLAGES IN THREE VILLAGES OF ARUNACHAL PRADESH

The Himalayan ecosystem is fragile and diverse. The Himalayan ecosystem is vital to the ecological security of the Indian landmass, through providing forest cover, feeding perennial rivers that are the source of drinking water, irrigation and hydropower, conserving biodiversity, providing a rich base for high value agriculture and spectacular landscape for sustainable tourism. But the region is prone to natural disaster. The state of Arunachal Pradesh is one of the states in the Himalayan region of North East India. Arunachal Pradesh is prone to natural calamities such as earthquakes, landslides, cloud burst etc. There is need for special attention required for Himalayas due to ecological and economic crisis. The resources are depleting fast and the natural calamities are constantly threatening the natural ecosystem, affecting human life and the economy of the region. Mountain governs major bio resources and thus resource based enterprise can only be through sustainable approach. Involvement of the community in the Himalayan conservation and bio resource based intervention will lead to growth of economy and ecology both.

Arunachal Pradesh is slowly developing its economy with the objectives of improving the quality of life of its people. The tasks ahead are uphill, the resources available are plenty but the ways and means to achieve the objective through gainful utilization of the resources are not well defined. Technology has been relegated to the back resulting in stagnation of growth. Agriculture is the main source of income and livelihood of the state. It has been seen that the villagers are not getting sufficient agricultural output to maintain their livelihood due to lack of appropriate technology, proper initiatives and financial conditions. Integration of different agri-horti related enterprises will provide ways to bring in improvement in soil health and reduce the cost of production of the products which will finally raise the total income of the farm.

The project Development of Integrated Model Villages in Three Villages of Arunachal Pradesh is being taken up by Arunachal Pradesh State Council for Science & Technology, Itanagar, Arunachal Pradesh in collaboration with Himalayan Environmental Studies and Conservation Organization (HESCO), Dehradun, Uttarakhand with the following objectives:

- i) Development of S&T Model Villages in different Agro- Climatic Zones and Social Setups.**
- ii) Integration of Technologies available with different Institutes in the development of Model Villages.**
- iii) Partnership with civil societies, as facilitator, to connect knowledge with the local community.**

Under the project three districts i.e. Lower Subansiri, Papumpare and Namsai has been selected. The project requires the participation of the community for the successful implementation and overall success of the project. Therefore, to incorporate community participation three SHG's from each of the selected village of the selected districts has been identified. The three villages selected to develop Integrated Model Villages are Khach Neelam Village, Lower Subansiri District, Lower Jumi, Kimin, Papumpare District and Nampong Village, Namsai District. The project envisages in making the selected village a "Model Village" which is self-reliant in terms of basic technologies in the field of Agriculture, Horticulture, Bio farm, Energy and Water Conservation

PROGRAMMES ON SCIENCE POPULARISATION/ SEMINAR/ WORKSHOP/ TRAINING AND OTHER SCIENTIFIC PROGRAMME PARTICIPATED

01. CELEBRATION OF NATIONAL MATHEMATICS DAY



National Mathematics Day-2020 was celebrated on 29th December 2020. The programme was organized by Arunachal Pradesh State Council for Science and Technology and conducted at Rajiv Gandhi Govt. Polytechnic, Itanagar. National Mathematics Day is celebrated every year on 22nd December in the country to commemorate the birth anniversary of Srinivasan Ramanujan, the greatest mathematician ever produced by India. The programme was rescheduled due to Panchayat and Municipal election of Arunachal Pradesh in the same day. Dr. Debajit Mahanta, Scientist and Project Director, DBT, Arunachal Pradesh and Mr. D. Devarasiddappa, Principal I/c, Rajiv Gandhi Govt. polytechnic grace the occasion as the Chief guest and guest of honor respectively. The celebration started with the lighting of ceremonial lamp by the chief guest and other dignitaries and also show respect to the greatest Mathematician Sir Srinivasan Ramanujan by offering flowers by the chief guest of the programme. To mark the day long programme essay competition was organized for the junior and senior groups for students held earlier on 27th December 2020 by the faculty members of Rajiv Gandhi Govt. Polytechnic.

The topics of the essay for the both categories are:

1. Srinivasa Ramanujan , His life history and contribution to the field of mathematics for Junior.
2. Contributions of Indian Mathematicians to the world of mathematics for the senior category.

The event was coordinated by Ms .Kamlin Mongchan, Lecturer (Communication skill) and Ms. Ayem Pertin, Lecturer (Physics of Rajiv Gandhi Govt. Polytechnic. The participants and winners were awarded mementoes and participant certificate during the valedictory function. The technical session was proved very vital for both the students and faculty members. The invited resource persons for the NMD Mr. Arun Joram, Lecturer in Mathematics Govt. Rajiv Gandhi Polytechnic, Itanagar and Dr.(Miss) Christina Gammeng, Lecturer in Mathematics , Govt. Polytechnic, laying of Kurung Kumey gave efficient presentation during the technical session who were present in the programme as a resource persons.

02. CELEBRATION OF NATIONAL SCIENCE DAY

National Science Day is celebrated every year on 28th February to popularize the benefits of scientific knowledge and practical appropriation. This day is celebrated every year to commemorate the discovery of the 'Raman Effect'. On this day, Physicist CV Raman announced the discovery of the 'Raman Effect' for which he was awarded the Nobel Prize in 1930. Every year a different theme is selected and all the forth programmes and activities are based around that theme. Joining with rest of the nation, The Arunachal Pradesh State Council for Science and Technology, Department of Science and Technology, Govt. of Arunachal Pradesh organized National Science Day - 2021 at Arunachal Pradesh Science Centre on 28th February 2021. Dr. Bhim Prasad Sarmah, Professor & Head, Department of Mathematical Sciences, Tezpur University, Assam was attended as the Chief Guest and Dr. R.M. Altekar, retired Scientist (BARC) as a guest of honor. While presenting his welcome speech, Dr P. Lombi narrated the objective of celebrating National Science day. The theme for this year National Science day was 'Future of STI: Impacts on Education, Skills and Work. A webinar was also conducted in association with Vigyan Prasar, DST GOI Noida. Resource person Dr. Irfana Begum, Project Officer, Vigyan Prasar spoke on the theme Future of STI; Impact on Education, Skills and Work".



03. STATE LEVEL WORKSHOP ON HANDS ON LEARNING FOR THE TRIBAL SCHOOL CHILDREN OF ARUNACHAL PRADESH

Arunachal Pradesh State Council for Science and Technology, Department of Science and Technology, Govt. of Arunachal Pradesh has organized Three days State level workshop on “ Hands on learning activities for tribal school children’s of Arunachal Pradesh during 19th& 21stMarch 2021 at Arunachal Pradesh Science Centre, Itanagar The workshop was being catalysed and supported by Vigyan Prasar, An autonomous body under the Department of Science and Technology Govt. of India, Noida. The programme was inaugurated by Shri Bamang Mangha, Chairman, Arunachal Pradesh State Council for Science and Technology, Department of Science and Technology, Govt. of Arunachal Pradesh in the midst gathering of students and district coordinators of the different districts of Arunachal Pradesh on 19th March 2021. District Coordinators from 22 districts and students from different districts schools of the state participated in the workshop. Dr. Pakngu Lombi, Scientist – C & Deputy Director (Technical) Arunachal Pradesh State Council for Science and Technology, highlight the objective of programme. The main objective of the programme was to encouraged the school children’s to use their hands and head coupled with keen observational skills to understand nature’s dynamics through a process of participations and engagement. Dr. B.K. Tyagi, Scientist – ‘F’ from Vigyan Prasar and Mr Pankaj Kumar Baroah, PGT from Koliabor Higher Secondary School of Nagaon, Assam was attended as a resource person of the programme.



Dr. B.K. Tyagi, during workshop at Itanagar while Nature walk

04. ORGANISED TWO DAYS STATE LEVEL CONSULTATIVE WORKSHOP

A two days 'State Level Consultative Workshop on 'Identifying Priority Thematic areas of the state under Himalayan Knowledge Network (HKN) was organized from 24th February 2021. The workshop was conducted at G.B. Pant NIHE, NERC, Chandranagar, Itanagar, Arunachal Pradesh with an aim to identify the major issues/ challenges and knowledge gaps in different R&D sectors related to the sustainable development of Arunachal Pradesh. A representative from Department of Horticulture, Dept. of Rural Work Development, Dept. of Environment & Forest, Botanical Survey of India, APRC, Dera Natung Govt. College, State Remote Sensing Application Centre, Zoological Survey of India, SIRD & PR, Himalayan University, Dept. of Economics & Statistics, Dept. of Rural Development, Dept. of Town planning & ULB's, Dept. of art & culture, Officers, and staffs from APSCS&T, A.P. Science centre, and G.B. Pant National Institute of Himalayan & Environment had attended the workshop.

C.D. Mungyak, Director cum Member Secretary, APSCS&T Govt. of Arunachal Pradesh gave the opening remarks for the workshop. Er. M.S. Lodhi, Scientist – E & Head, North-East Regional Centre of G.B. Pant National Institute of Himalayan Environment while giving the welcome speech he also gave a brief introduction about the project and programme.

05. WORKSHOP ON YOUTH FORUM ON "CLIMATE CHANGE IN INDIAN HIMALAYAN REGION: CAUSES, IMPACT, MITIGATION AND STRATEGIC ADAPTATION



Workshop on Youth Forum on "Climate Change in Indian Himalayan Region: Causes, Impact, Mitigation and strategic adaptation was organized on 15th March 2021 by Arunachal Pradesh State Council for Science and Technology (APSCS&T), and G. B. Pant NIHE NERC, Itanagar at Dept. of Physics, Dera Natung Government College under project entitled Himalayan Knowledge Network (HKN). The program agenda and list of participants are attached as The programme was attended by C.D. Mungyak (Director-cum-member Secretary, APSCS&T), Dr. P. Lombi (Deputy-Director, APSCS&T), Dr. M. Q. Khan (Principal, D.N. Govt. College), Dr. Kesar Chand (Resources

person), Dr. B. B. Bhatt (Resource person), faculties and students from various dept. of D.N.G.C. The officer and staff from APSCS&T and G. B. Pant NIHE Itanagar also participated in the programme.

Dr. Kesar Chand, Scientist-C, GBP NIHE, NERC and Dr. B.B. Bhatt, Senior Research Scientist, Wildlife Biologist, Department of Environment and Forest, Arunachal Pradesh was the key resource persons and delivered a lecture and presentation before the participants.

06. ONLINE WORKSHOP ON ARDUINO MICRO CONTROLLER

Innovation Hub of Arunachal Pradesh Science centre organized online workshop on Arduino Microcontroller was conducted on 11th August, 2020. The programme was conducted by Shri Subu Tarang (Junior Mentor, Innovation Hub, Itanagar) on Introduction of Arduino Micro controller and Sensor and their use in day to day life along with the introduction to Electronic and Artificial Intelligence. Around fourteen (14) nos. of participants attended the online workshop

07. ORGANISED ONLINE DRAWING/ PAINTING, PHOTOGRAPHY ON WORLD ENVIRONMENT DAY

Innovation Hub, Arunachal Pradesh Science Centre under the Arunachal Pradesh State Council for Science and Technology, Department of Science and Technology organized Drawing/ Painting, Photography competition on the eve of world environment day on 5th June 2020. The programme was organized through online for students. In the meantime the competition for generating idea on waste management was also conducted for the students of Class- VII – Class XII

08. OUT REACHED PROGRAMME OF INNOVATION



As a part of outreach programme day long awareness programme on “Innovation, Ideas & Robotics” was organised on 17th October 2020 in Government Secondary School, Deed, District - Lower Subansiri, Arunachal Pradesh. During the programme Foot Operated Handwash Machine made by innovation hub, Arunachal Pradesh science centre (APSCS&T), Itanagar was also installed in the school. The officials highlighted the importance and use of the Foot Operated Handwash Machine during this Covid – 19 Pandemic.

09. ONLINE WORKSHOP ON ARDUINO MICRO CONTROLLER

Arunachal Pradesh Science Centre Innovation Hub organized online Workshop on Arduino Microcontroller which was conducted on 11th August, 2020. The programme was conducted by Shri Subu Tarang (Junior Mentor, Innovation Hub, Itanagar) on Introduction of Arduino Microcontroller and Sensor and their use in day to day life along with the introduction to Electronic and Artificial Intelligence. Around fourteen (14) nos. of participants attended the online workshop.



10. ORGANISED AND OBSERVED WORLD OZONE DAY

Arunachal Pradesh Science Centre under Aegis of Arunachal State Council for Science and Technology also Celebrated Ozone Day ON 16TH SEPTEMBER 2020 WITH THEME: - **‘OZONE FOR LIFE: 35 YEARS OF OZONE LAYER PROTECTION’**. With the crisis of corona virus pandemic that has engulfed the world in its distress grip, even though being confined, the staff of science centre, Itanagar pledged to celebrate this day at innovation hub and homes as well. Dr. Vivek Kumar, curator Arunachal Pradesh Science Centre, Itanagar briefing the members of Innovation Hub about Ozone layer and its importance. Poster making competition held among members of Innovation Hub and staff of science centre at innovation HUB.

11. ORGANISED ONLINE TRAINING PROGRAMME ON HEALTH ISSUE OF PANDEMIC & ITS MITIGATION

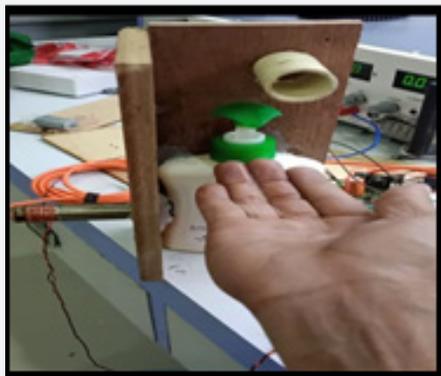
Online Training Programme on Health Issue of Pandemic and its Mitigation was organized by Vigyan Prasad EDUSAT Network during 25th – 27th August 2020. Students from students from different schools JNK Public School, Itanagar, Govt. Higher Secondary School Arunodaya, Itanagar, Vivekananda Kendra Vidyalaya, Ziro, Vivekananda Kendra Vidyalaya, Roing , Vivekananda Kendra Vidyalaya, VivekVihar, Itanagar and Members of Innovation Hub Itanagar joined and taken part in the online programme

12. ORGANISED WORKSHOP ON CRYSTALLOGRAPHY- REINTRODUCING CRYSTAL GROWTH AND DESIGN FOR THE STUDENT

Organised Workshop on Crystallography- “Reintroducing Crystal Growth and Design” during 2nd – 6th March, 2020 for the student. The workshop was organized at different location i.e. Himalayan University (Jollang), Govt. Higher Secondary school Arunodaya, Itanagar, JNK Public School, Itanagar and at Holy Cross Higher Secondary School. Member of Innovation Hub A. P. Science centre was also attended the programme. Dr. Suprakash Roy, Assistant Processor, Dept. of Science & Humanities, Technical Education & Training, Kolkata attended as a resource person during the programme.



13. ORGANISED TRAINING / WORKSHOP ON DEVELOPING AUTOMATED SANITIZER AND SOLAR LAMP CUM HAND SANITIZER



Automatic Hand Sanitizer Using Proximity Sensor and DC Motor developed in Innovation Hub, Itanagar using scrap material available in innovation Hub by the officials of the A.P. Science Centre, of APSCS&T

14. ORGANISED TRAINING/WORKSHOP ON DEVELOPING MASK AND OWN MADE HAND SANITIZER

In view of Covid-19 pandemic, the Arunachal Pradesh State Council for Science and Technology has organised workshop which aim to initiate on making face mask and hand sanitizer on its own for the use of its employees and distribution to frontline workers. Leg pressed hand wash dispenser has also been developed for daily purpose and use. In this council has put sanitizing hand rub dispensers in prominent places around the workplace to prevent any infection. The mask and sanitizer were prepared and developed at Innovation Hub, AP Science centre.



15. ONLINE IDEA CHALLENGE AND DRAWING COMPETITION

Online Idea Challenge and Drawing Competition on Covid -19 were conducted during the time of Pandemic in order to spread the Awareness on Covid-19 and the safety measures on 26th May 2020. The theme: Automatic Sanitizer Dispenser and Mask Making, where more than 200 Student from different school of State took Part in the competition.

DRAWING COMPETITION ON COVID-19 MANAGEMENT

Cash prize for best drawing

Category: upto 8 class

Submit your drawing via email/whatsapp: apscihub@gmail.com/8755165988
With Contact number, Name.
Last date of submission: 15th June 2020

For queries contact: 7982320450/9366058090
innovation hub, Arunachal Pradesh Science Centre, Itanagar

COVID-19 CORONAVIRUS

IDEA CHALLENGE

HAVE AN INNOVATIVE IDEA TO HELP FIGHT COVID-19?

Theme

1. Automatic sanitizer dispenser
2. Mask making

Who Can Apply

Category 1: Upto class 12
Category 2: Open

Student can work in Innovation Hub without any cost with prior slot booking

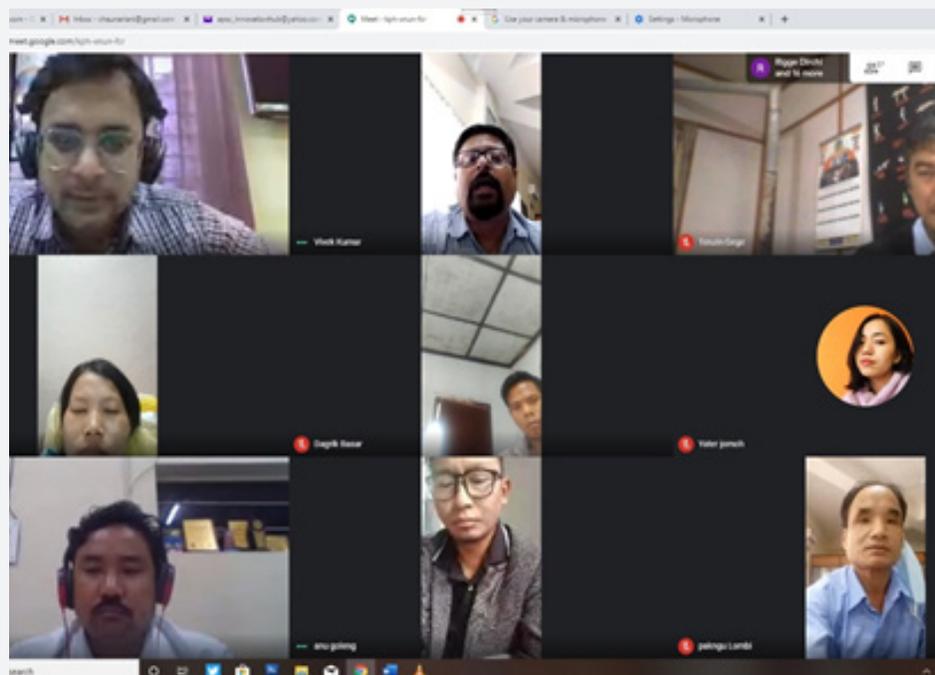
Submit your Idea via email/whatsapp: apscihub@gmail.com/8755165988
With Contact number, Name/Name of team member, Project Name & Idea
Last date of submission is extended upto 30th June 2020

Cash prize for best Ideas

For queries contact: 7982320450/9366058090

16. ONLINE WEBINAR ON INSPIRE MANAK AWARD

Online Webinar on INSPIRE MANAK Awards Scheme and other Science Popularization activities conducted in association with NIF Resources person Dr. Nitin Maurya on 26th June 2020.



17. ONLINE WEBINAR ON INTELLECTUAL PROPERTY RIGHT (IPR)

Online programme was organised on 15th -16th July 2020 by Puspa Gujral Science City on Intellectual Property Right (IPR) where total number of 32 participants attended the online webinar including members of innovation hub and students from NERIST.



Free Webinar

INTELLECTUAL PROPERTY RIGHTS (IPR)

July 15-16, 2020
4 pm - 6 pm

For Industry, ITIs, Polytechnics, Engineering & Professional Colleges, Universities, General Public

Platform: TIFAC Cisco Webex

Free Registration @ www.pgsciencecity.org

Login details will be shared on registered email id of participants

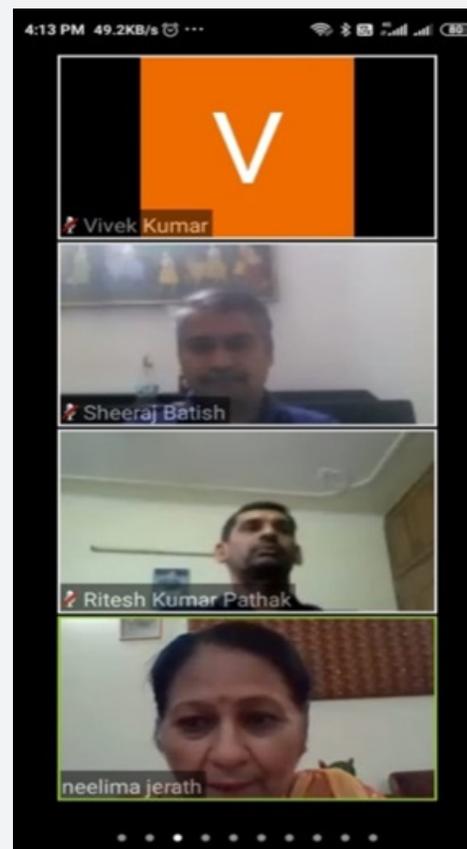
Watch out for the detailed program

Topics:

- Overview of Intellectual Property Rights
- Patents
- Copyrights & Preventing Plagiarism
- Trademarks
- Geographical Indications
- Plant Variety Protection & Farmers' Rights Act

Organized By:

Pushpa Gujral Science City & PFC - Technology Information Forecasting and Assessment Council (TIFAC) DST,GOI



18. ONLINE WEBINAR ON "INNOVATION BEYOND FORMAL BOUNDARIES IN NER"

Online Webinar series on Innovation beyond formal boundaries in NER was organized on 15th August 2020 by NESM in weekly programme by Dr. Nitin Maurya, Scientist & Coordinator- Northeast, NIF Guwahati Cell, Technology Complex, IIT Guwahati where total of 15 members of Innovation Hub participated along with the staff of Arunachal Pradesh Science Centre.



WHAT EXPERT SAYS??

14th talk in the NESM Talk Series

"Innovation beyond formal boundaries in NER"

Let's hear it from... **Dr. Nitin Maurya**
Scientist & Coordinator- North East, NIF Guwahati Cell, Technology Complex, IIT Guwahati

15 AUGUST 2020
6PM Onwards

Do Join Us on...

www.facebook.com/northeastsciencemovement
www.youtube.com/northeastsciencemovement

19. ONLINE WEBINAR ON HEALTH ISSUE OF PANDEMIC & ITS MITIGATION

Online programme on Health Issue of Pandemic and its Mitigation was organized on 25th – 27th August, 2020 by Vigyan Prasad EDUSAT Network where more than 50 students from different schools JNK Public School, Govt. Higher Secondary School Arunadaya, VKV Ziro, VKV Roing, VKV Vivek Vihar and Members of Innovation Hub Itanagar attended the online webinar.

वि P
V प्र

Vigyan Prasad
DST

Training Programme on Health Issues of Pandemic & its Mitigation
Date of the programme : 25-27 August 2020
Login to ZOOM

nidm
Resilient India - Disaster Free India

National Institute of Disaster Management
MHA

Science of Hand Sanitizer
By
Dr. T.V Venkateswaran, Vigyan Prasad
Timing : 11.40 AM

Living with Enemy
By
Dr. B.K Tyagi, Vigyan Prasad
Timing : 11.30 AM

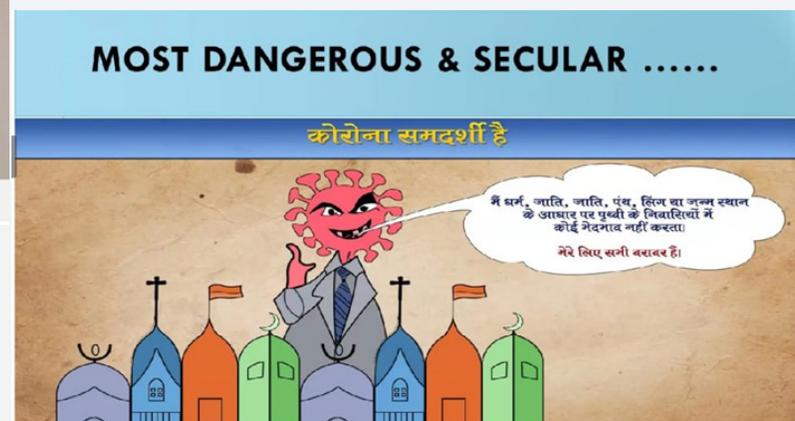
Mental Health in Pandemic
By
Dr. Rima Sehgal, I Can Care
Timing : 11.30 AM

Pandemic and community health
By
Mr. V.R Raman, Water and India
Timing : 12.30 PM

Effect of pandemic on Society
By
Dr. Ainder Walla, NIDM
Timing : 12.30 PM

How to Handle mental Stress
By
Prof. SGMagan, NIDM
Timing : 12.30 PM

Detail Schedule for the programme on Psycho-Social Effects of Pandemic
Day #1 Aug 25, 2020 11:30 AM Mumbai, Kolkata, New Delhi
Meeting ID: 987 9998 7258
Passcode: 2u5C4
Day 2 Aug 26, 2020 11:30 AM Mumbai, Kolkata, New Delhi
Meeting ID: 925-6429 2027
Passcode: 4VVH4C
Day 3 Aug 27, 2020 11:30 AM Mumbai, Kolkata, New Delhi
Meeting ID: 944 4346 2576
Passcode: 6U4K



20. CELEBRATED WORLD OZONE DAY WITH THEME: 'OZONE FOR LIFE: 35 YEARS OF OZONE LAYER PROTECTION'

Arunachal Pradesh Science Centre under Aegis of Arunachal State Council for Science and Technology celebrated Ozone Day on 16th September, 2020 in a very unique and Innovative way. With the crisis caused by Covid-19 pandemic that has engulfed the world in its distress grip, even though being confined, the staff of science centre, Itanagar pledged to celebrate this day at innovation hub and at their respective homes as well.



Dr. Vivek Kumar, Curator Arunachal Pradesh Science Centre, Itanagar briefing the members of Innovation Hub about Ozone layer and its



Gem Peri, Education Officer, Arunachal Pradesh Science Centre Explaining the children about ozone layer, its benefits and outcome of ozone layer depletion at her home.





Poster making competition held among members of Innovation Hub and staff of science centre at innovation Hub.

21. ONLINE STUDENT SOLAR AMBASSADOR WORKSHOP

Online programme was organised on 2nd October 2020 in continuation of GGSY where hands-on training for making own solar product using home tools and also organised lucky draw and slogan competition was conducted.



22. TREE PLANTATION PROGRAMME , NONVIOLENCE TO ENVIRONMENT



Tree plantation Programme was organised on 2nd October 2020 as remarks to Nonviolence to Environment. Tree plantation is significant because it is linked to our basic need for good food to eat and clean air to breathe. Aside from these necessities, they preserve biodiversity, conserve water, preserve soil, and control climate, among other things

23. WASTE MANAGEMENT PROGRAMME



On 18th October, with innovation hub members Programme was organised on Waste Management, "Reuse, Recycle & Reduce" where we collected the waste cold drink cans and bottles and moulded to different Shapes. It decreases the amount of waste for disposal, saves space in landfills, and conserves natural resources



24. THREE DAYS WORKSHOP ON IDEA, INNOVATION & TECHNOLOGY AND ENTREPRENEURS

Three days' workshop on idea, innovation and technology for students, teachers and entrepreneurs conducted on 18-20 November, 2020 by Arunachal Pradesh Science Centre, Dept. of Science & Technology, I.G Park Itanagar concluded in a courteous way. In this workshop, participants from various schools like holy cross, auxiliium, GSS Police colony, VKV Vivek Vihar, innovation hub members and assistant scientific officers presented their project before the panel of judges. Titles of project presented are:

School	Project
Holy cross school	Natural Hair Color
Auxilium School	Cigarette butt pouch
GSS Police colony	Manure Sprinkle Machine
Innovative Generation (VKV Vivek Vihar)	Ink Station
Innovation Hub Members	1.Abhay Bhumi 2.Social distancing device
Assistant Scientific officers	1.Air cooler cum Aquarium 2.Eco Friendly usage of Phrynium Capitatum leaves 3.Recycle: Re-use of Paper waste

Above these mentioned projects Ink station by Innovative Generation (VKV Vivek Vihar) felicitated as Best Presentation Project and social distancing device by Innovation Hub members bag with Best Documentation Project.



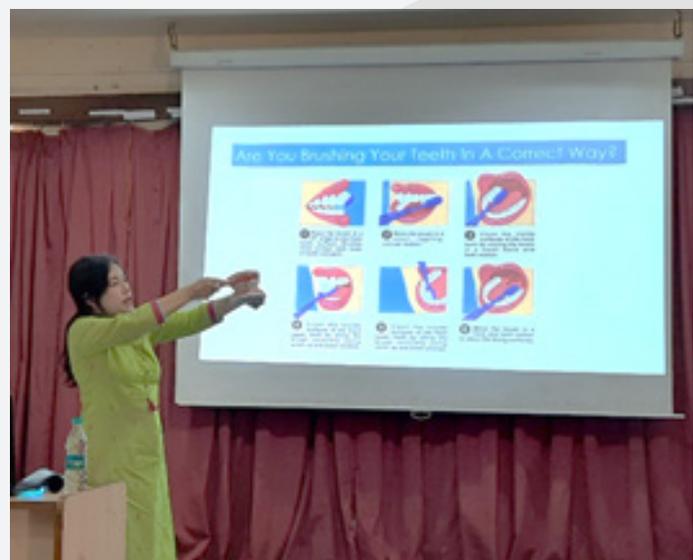
25. INSTALLATION OF HYDROPONICS

Installation of Hydroponics on 22nd January, 2020. Hydroponics eliminates soil and soil-borne pests and disease, so there is no need to use large amounts of pesticides. This, in turn, reduces soil erosion as well as air and water pollution. Pesticides from traditional soil-based agriculture run off into rivers and streams, harming fish populations. Hydroponics has the potential to sustain a large proportion of the world's population and to allow third world countries to feed their own people, even in places where soil is poor and water is scarce. The technology can also be used as a valuable source of food production in places where space is scarce.



26. INTERNATIONAL WOMEN'S WEEK

While we unite on International Women's Day to celebrate on 13th March, 2020. We also acknowledge that true gender equality does not yet exist anywhere in the world.



27. MEMBER OF INNOVATION HUB RECYCLING PAPER WASTE

Three days' workshop on idea, innovation and technology for students, teachers and entrepreneurs conducted on 18-20 November, 2020 by Arunachal Pradesh Science Centre, Dept. of Science & Technology, I.G Park Itanagar concluded in a courteous way. In this workshop, participants from various schools like holy cross, auxilium, GSS Police colony, VKV Vivek Vihar, innovation hub members and assistant scientific officers presented their project before the panel of judges. Titles of project presented are:



PHOTO GALLERY



Group of Youth participants during the workshop on Youth Forum on "Climate Change in Indian Himalayan Region: Causes, Impact, Mitigation and strategic Adaptation organized by APSCS&T at A.P Science centre, Itanagar on 27th March 2021



Director cum Member Secretary, APSCS&T inspect the hand sanitizer developed by APSCS&T



Training on Polyhouse making



Workshop on Microbiology and Robotics



During Month long exhibition on Covid-19 pandemic wef. 16th April 2021 – 16th May 2021



During Month long exhibition on Covid-19 pandemic wef. 16th April 2021 – 16th May 2021



Participants during NMDI-2020 celebration



Quiz competition organized during NSD-2021 Celebration



Tisanes (Herbal tea) formulated by DBT-APSCS&T CoE BRSD



Kiwi Wine produced and marketed by SPICE ZIRO Pvt. Ltd., and Scientifically validated by DBT-APSCS&T CoE for Bioresources and Sustainable Development, Kimin.



View of the newly constructed G+3 main building of DBT-APSCS&T CoE for BRSD, Kimin



Ariel view of the DBT-APSCS&T CoE for BRSD building, Project site at Kimin as on 24th April, 2021

APSCS&T IN NEWS





Issued by: State Project Director, Samagra Shiksha/DSE, Arunachal Pradesh

ARUNACHAL PRADESH STATE COUNCIL FOR SCIENCE & TECHNOLOGY (DEPARTMENT OF SCIENCE & TECHNOLOGY)
GOVERNMENT OF ARUNACHAL PRADESH, ESS, SECTOR - ITANAGAR - 791 113

'Progress through S & T Intervention'

Arunachal Pradesh State Council for Science and Technology (APSCST) was established as an autonomous organization under the Department of Science and Technology, Govt. of Arunachal Pradesh. The council has also been recognised as also the Nodal Agency for implementing the programmes of Department of Science & Technology, Government of India in assisting with identify the areas in which science & technology can be applied for the development of Arunachal Pradesh by application of contemporary scientific research and appropriate technology.

The main objectives of the council:

- To indicate optimum development of untapped new and renewable sources of energy in Arunachal Pradesh by application of contemporary scientific research and appropriate technology.
- To formulate appropriate research and development programme for academic research and development in the existing institutions of the state.
- To assist the State Govt. in developing suitable Science & Technology structure in order to ensure and promote application of proper scientific method and appropriate technology in development of rural area to assist the administration in all matters relevant to application of science & Technology in regional development and preparation of perspective planning.
- To liaise with the National organizations to facilitate collaboration and transfer of know-how in the domain of Science & Technology.
- To recommend means of popularizing application of Science and Technology amongst the people of the State and utilization of mass media, participation in and organization of Seminars, Exhibitions and other such related activities and also development of application centres, Museum etc. in that context.
- To evolve a long term science & technology policy and programme keeping in view of the natural resources / geographical features and socio-economic conditions available in the state.
- To ensure that Science & Technology is harnessed most meaningfully for the development of the state.
- To evolve strong and workable mechanism for the transfer of indigenous technology through Science & Technology inputs and improve the conditions of the rural population through schemes as well as the people of Science & Technology for development.
- To promote and fully involve the various departments connected with the development schemes as well as the people of Science & Technology for development.

With an objective to pursue the development of scientific culture among the people and act

Sansa: Bho & Arunachal Feb. 20, 2021

...s around Itanagar: a visual journey



AUDIT REPORT 2020-2021



CONSOLIDATED STATEMENT OF ACCOUNT
&
AUDIT REPORT

ARUNACHAL PRADESH STATE COUNCIL FOR
SCIENCE & TECHNOLOGY
ESS SECTOR, MAUNG-PHI COMPLEX, ITANAGAR
ARUNACHAL PRADESH



YEAR : 2020-2021.

MUKESH PARIK & CO.
CHARTERED ACCOUNTANTS
N T ROAD, BELOW ALAHABAD BANK
NORTH LAKHIMPUR
ASSAM
EMAIL: MUKESHPARILNLP1@GMAIL.COM
M-9957207048

MUKESH PARIK & CO.
Chartered Accountants



Ph.No.9957207048M)
N T ROAD, BELOW ALLAHABAD BANK
NORTH LAKHIMPUR, ASSAM

AUDIT REPORT

We have examined the attached Balance Sheet of **ARUNACHAL PRADESH STATE COUNCIL FOR SCIENCE & TECHNOLOGY, (MICRO HYDEL PROJECT) ,ESS SECTOR , MAUNG-PHI COMPLEX, ITANAGAR, ARUNACHAL PRADESH-791113** as at 31st March 2021 and the Income & expenditure Account for the year ended on that date ,which are in agreement with the books of account maintained by the Council at the above address.

We have obtained all the information and explanation which to the best of our knowledge and belief were necessary for the purpose of the audit. In our opinion except to the Notes on Account proper books of account have been kept by the council so far as appears from our examination of books .

In our opinion and to the best of our information and according to the explanation given to us , the said accounts, give a true and fair view:-

- a) In case of the Balance Sheet ,of the state of the above named Council's affairs as on 31st March 2021.
AND

- b) In case of the Income & Expenditure Accounts ,of the Surplus of the above named Council for the accounting year ending on 31st March 2021.

DATE: 26/10/2021
PLACE:ITANAGAR



FOR **MUKESH PARIK & CO..**
Chartered Accountants

MUKESH KUMAR PARIK,FCA
(Proprietor)
M.No. 306251
FRN-328425E

MUKESH PARIK & CO.
Chartered Accountants
Mukesh Kumar Parik, FCA



North Lakhimpur.
Ph.No.9957207048(M)

ARUNACHAL PRADESH STATE COUNCIL FOR SCIENCE & TECHNOLOGY
&
DEPARTMENT OF SCIENCE & TECHNOLOGY , GOVT.OF ARUNACHAL PRADESH
ESS SECTOR : MAUNG - PHI COMPLEX : ITANAGAR
ARUNACHAL PRADESH.

BALANCE SHEET AS AT 31ST MARCH , 2021

LIABILITIES :	SCHEDULE	AMOUNT(Rs)
CAPITAL FUND ACCOUNT	1	39,17,97,229.31
RESERVES & SURPLUS		
Depreciation Reserve	2	13,22,47,937.70
OTHER LIABILITIES	3	47,66,976.00
	TOTAL	52,88,12,143.01
ASSETS :	SCHEDULE	AMOUNT(Rs)
Fixed Assets		
At Cost	4	22,49,60,015.88
Sundry Advance:	5	2,27,32,515.00
Bank Balances:	6	28,11,15,700.68
Cash in Hand (OB)		3,911.45
	TOTAL	52,88,12,143.01

In terms of our report of even date.

FOR, **MUKESH PARIK & Co.**
Chartered Accountants



M. Parik
Mukesh Kr Parik, FCA
(Proprietor)
M.NO. 306251
FRN-328425E

Date : 26.10.2021
Place : North Lakhimpur

Continued from page 1

To Maintenance of Integrated Technological Farming System	29,77,163.00
To Leave Encashment	12,870.00
To NCSC 2019	7,91,031.00
To N M D - 2020	4,56,932.00
To N S D 2020	3,93,064.00
To Registration Fees	10,000.00
To Revitalization Upgradation & Preservation	20,69,000.00
To Black Apong	4,73,000.00
To Study of Landslide in Hill Road	97,62,105.00
To Hiring Charge	22,000.00
To Interest Refund to DST, New Delhi	1,86,530.00
To Cost of DPR	4,50,000.00
To E M	58,40,000.00
To Distribution System	20,00,000.00
To Training & Travel	3,27,000.00
To Poultry	4,20,000.00
To Piggery	19,14,800.00
To Nursery	54,79,362.00
To Vermicompost	9,62,484.00
To PPC Wall	4,04,811.00
To Construction of Fencing	4,01,511.00
To Rain Water Harvesting	1,97,615.00
To Last year's TA not entered in Cash Book now being entered	61,925.00
To Wages	4,33,100.00
To Sanitisation Workshop	5,71,810.00
To Model Village Expenses	52,25,000.00
To Solar Net Meter Consultancy & Installation	3,77,895.00
To Complete EPC of Inverter & Battery Bank	62,540.00
To Cabling work for Inverter Backup	1,05,020.00
To Consultancy for Net Meter Installation	13,500.00
To Videography & Photography charges during Innauguration of Solar powered Geothermal	50,000.00
To Bamboo & Cane Processing	2,65,775.00
To Advertisement	52,748.00
To Analysis of Green Tea	14,82,000.00
To Audit Fees 2017-18	70,000.00
To Audit Fees 2018-19	70,000.00
To Awareness Programme on Science & Technology	1,47,75,000.00
To Bioactive Efficiency	1,77,000.00

Continued to page 3



L7

Continued from page 2

To Labour Charge	20,000.00		
To Micro Hydel Project Expenses	12,65,000.00		
To I I S F - 2019	8,93,420.00		
To I I S F - 2020	11,94,100.00		
To Incentive for Young Scientist	80,000.00		
To I E C	22,25,000.00		
To Infrastructure Development	66,71,324.00		
To Maintanance & Furnishing of SRSAC Building	30,00,000.00		
To Patent Information Centre	2,64,000.00		
To Pending Liabilities	44,02,620.00		
To Plastic Road	2,31,232.00		
To Postage Stamp	5,000.00		
To Purchase of Tyre	80,000.00		
To GIA to Director, SRSAC	4,88,58,000.00		
To Salary to Project Director, DBT, Kimin, 2019-20	17,76,000.00		
To Salary to Project Director, DBT, Kimin, 2020-21	25,27,000.00		
To GIA to Geothermal Project	8,00,000.00		
To Upkeeping & Sustenance 2019-20	12,58,440.00		
To Bank Error	5,000.00		
To Excess GPF paid	120.00		
To Excess Civic Water Charge paid	10.00		
To Transferred to DST	3,00,00,000.00		
To Robotic Awareness Programme(J.V.)	3,00,000.00		
To Depreciation	1,13,21,382.55		
To Excess of Income over Expenditure	11,12,83,059.50		
TOTAL	43,64,43,989.03	TOTAL	43,64,43,989.03

In terms of our report of even date.

FOR, MUKESH PARIK & Co.
Chartered Accountants

Mukesh
Mukesh Kr Parik, FCA
(Proprietor)
M.NO. 306251
FRN-328425E

Date : 26/10/2021
Place:North Lakhimpur

5

MUKESH PARIK & CO.Chartered Accountants
Mukesh Kumar Parik, FCANorth Lakhimpur,
Ph.No.9957207048(M)
**ARUNACHAL PRADESH STATE COUNCIL FOR
SCIENCE & TECHNOLOGY
ESS SECTOR, MAUNG-PHI COMPLEX, ITANAGAR.**
CONSOLIDATED RECEIPTS AND PAYMENT ACCOUNT FOR THE YEAR ENDED ON 31.03.2021

RECEIPTS:		AMOUNT YMENTS:		AMOUNT
To	Opening Balance :		By Salary	10,35,97,382.00
	Cash in Hand	-	By EPF / EPS	65,41,140.00
	1.Survey & Investigation	32,021.60	By SSS	27,73,652.00
	2.DBT TERI DNA Club	1,69,395.00	By Income Tax	6,74,762.00
	3.A.P. Science Centre	2,95,89,359.61	By CM Relief Fund	3,36,313.00
	4.A.P.State Council for S & T (Old)	1,34,75,291.20	By Cash Recovery	6,73,680.00
	5.Water Technology Initiative Project	2,678.60	By Civic Water Charges	75,095.00
	6.Thongleng Rong MHP	2,51,634.35	By GST	10,27,138.00
	7. Kodak MHP	1,13,53,920.70	By Labour Cess	2,77,280.00
	8. Siru Riju MHP	71,43,739.00	By I I F S	22,514.00
	9. Micro Hydrel Project	75,681.00	By Development of Staff Canteen	9,74,720.00
	10. Dori MHP	81,570.20	By Petty Expenses	7,75,130.00
	11. Sakthang Rong MHP	1,28,853.60	By Repair & maintainance	41,060.00
	12. Agro Forestry	94,92,164.00	By Computer Equipment	18,21,714.00
	13. State Plan Scheme	8,157.00	By Office Furniture	17,000.00
	14. Improving Traditional Water Mill Project	6,10,319.00	By Printing & stationeries	29,68,919.00
	15. Integreted Farming System	70,85,528.00	By Development of Children's Science Park	40,35,375.00
	16.Model Village Project	81,23,894.00	By Innovation Hub	4,18,682.00
	17.Geothermal Project	5,82,180.30	By Meeting Expenses	47,480.00
	18. Rural Technology Centre	60,49,462.29	By Innovation Festival 2020	6,57,029.00
	19. State Grant (Non Salary) A/c	1,83,12,116.00	By Printing Charges	2,23,297.00
	20. State Grant (Salary)	6,38,29,808.00	By Papers & Periodicals	2,940.00
	21. Pyani MHP	35,729.20	By Electricity Charges	1,00,000.00
	22. Sea Buckthron Project	2,85,751.00	By Bank Charges	4,097.97
To	Grant-in-Aid received for :		By Office Expenses	65,79,165.00
	(i) Office Stationeries	5,00,000.00	By Office Equipment	33,13,411.00
	(ii) Upkeeping of Science Park/Dino Park	10,00,000.00	By Salary of Project Director, DBT	2,90,000.00
	(iii) National Mathematics Day 2019, and National Science Day 2020	25,00,000.00	By Maintenance of Vehicle	3,88,838.00
	(iv) Student Solar Ambessador Workshop	40,00,000.00	By POL	9,83,759.00
	(v) Upkeeping of installed Exhibits and Addition of New Exhibits	30,00,000.00	By Advance	41,81,510.00
	(vi) Training Programme for Teacher & Science Popularisation	15,00,000.00	By Advertisement	52,748.00
	(vii) Salary	15,47,47,000.00	By Telephone Charges	6,606.00
	(viii) Maintanance of Boundary Wall and Development of Parking Area	25,00,000.00	By T A	7,78,162.00
	(ix) Operation and Conducting Activities in Innovation hub and digital space centre	24,95,000.00	By TA Advance	2,14,768.00
	(x) Organizing District & State Level NSC	41,50,000.00	By Maintenance of Science Centre	17,35,877.00
	(xi) NMD & NSD Celebration	40,00,000.00	By Audit Fees for 2019-20	70,000.00
	(xii) Vigyan Prasar	7,500.00	By C.V.Raman University, Kota, for the College Fee for Sri Tadar Anang	72,550.00
	(xiii) Himalayan Knowledge Network	3,20,000.00	By Development of Mirror Gallery	28,95,593.00
	(xiv) Conducting Entreprenureship Training Programme	2,56,000.00	By Annual Day of Science Centre	34,806.00
	(xv) Setting up of Rural appropriate Technology Demonstrtion Centre	80,67,375.00	By Science Popularization 2019-20	1,76,530.00
			By Internet Charges	2,27,976.00
			By Remuneration	7,500.00
			By Gratuity	66,813.00
			By Refreshment on Workshop	24,065.00
			By Civil Work	1,43,81,350.00
			By Hand on Training	2,62,314.00
			By Himalayan Knowledge Network	72,020.00
			By HLTC	1,18,278.00
			By Honorarium	1,74,000.00



(xvi) Establishment of ST Cell in State Science & Tech Council of AP	1,15,83,244.00	By Maintenance of Integrated Technological Farming System	29,77,163.00
(xvii) Agro Forestry Sys & Bamboo irrigation for self sustainability of tribal people	1,89,70,769.00	By Leave Encashment	12,870.00
(xviii) Grants for Creation of Capital Assets	2,00,000.00	By NCSC 2019	7,91,031.00
(xix) Awareness Programme on S & T	1,50,67,000.00	By N M D - 2020	4,56,932.00
(xx) Bore Well	10,00,000.00	By NSD 2020	3,93,064.00
(xxi) Rest cum Inspection Shed	20,00,000.00	By Purchase of New Vehicle	17,28,486.00
(xxii) SPT Building	23,00,000.00	By Registration Fees	10,000.00
(xxiii) Development & Demonstration of Model of Technology relevant to Robots Artificial Intelligency in School Capital Complex	29,00,000.00	By Revitalization Upgradation & Preservation	20,69,000.00
(xxiv) Development of Water Mill at Neelam Village	50,00,000.00	By GIS	9,900.00
(xxv) DORI MHP	12,65,000.00	By Black Apong	4,73,000.00
(xxvi) Establishment of Bamboo Treatment Plant at Nmsai District	50,00,000.00	By Study of Landslide in Hill Road	97,62,105.00
(xxvii) Exploration Identification & Validation of the Alpine of A.P.	15,00,000.00	By Hiring Charge	22,000.00
(xxviii) I E C	30,00,000.00	By Interest Refund to DST, New Delhi	1,86,530.00
(xxix) Infrastructure Development of APSCS&T towards grants for creation of Capital Assets as communicated by the finance Dept. for the year 2019-20	80,00,000.00	By Cost of DPR	4,50,000.00
(xxx) Maintenance of SRSAC Office	30,00,000.00	By E M	58,40,000.00
(xxxi) Exposure visit of Meritorius Students of A.P.	6,00,000.00	By Distribution System	20,00,000.00
(xxxii) Minor Office maintenance & procurement of office stationeries	25,00,000.00	By Training & Travel	3,27,000.00
(xxxiii) Office Stationeries	30,00,000.00	By Poultry	4,20,000.00
(xxxiv) Organizing Exhibition at national geo-smart conference seminar and SRSAC & Geo-Spatial technology in India	30,00,000.00	By Piggery	19,14,800.00
(xxxv) Scheme Pending Liabilities	44,35,000.00	By Nursery	54,79,362.00
(xxxvi) POL & Vehicle maintenance	45,00,000.00	By Vermicompost	9,62,484.00
(xxxvii) Restoration & Renovation of Office Room	30,00,000.00	By PPC Wall	4,04,811.00
(xxxviii) 3 (Three) Nos. Model Village	1,00,00,000.00	By Construction of Fencing	4,01,511.00
(xxxix) Salary of Centre for Bioresources and sustainable development(20-21)	5,47,000.00	By Rain Water Harvesting	1,97,615.00
(xxxx) SRSAC Salary	1,37,07,000.00	By Royalty	15,850.00
(xxxxi) Strengthening of Biotech Laboratory at DBT-APSCS&T	1,50,00,000.00	By Last year's TA not entered in Cash Book now being entered	61,925.00
(xxxxii) Strengthening of Patent Information Centre under APSCS&T, Itanagar	10,00,000.00	By Wages	4,33,100.00
(xxxxiii) Upkeeping & Sustenance of APSCS&T	20,00,000.00	By Sanitisation Workshop	5,71,810.00
(xxxxiv) I I S F - 2019	30,00,000.00	By Model Village Expenses	52,25,000.00
To Contingency	29,110.00	By Solar Net Meter Consultancy & Installation	3,77,895.00
To Transfer of fund from State Grant (Salary)	3,00,00,000.00	By Complete EPC of Inverter & Battery Bank	62,540.00
To EPF / EPS	32,54,070.00	By Cabling work for Inverter Backup	1,05,020.00
To SSS	27,78,130.00	By Consultancy for Net Meter Installation	13,500.00
To GIS	12,240.00	By Videography & Photography charges during Innauguration of Solar powered Geothermal	50,000.00
To GPF	3,60,000.00	By Bamboo & Cane Processing	2,65,775.00
To Income Tax	6,74,762.00	By Analysis of Green Tea	14,82,000.00
To CM Relief Fund	3,42,261.00	By Audit Fees 2017-18	70,000.00
To Civic Water Charges	75,085.00	By Audit Fees 2018-19	70,000.00
To GST	14,73,824.00	By Awareness Programme on Science & Technology	1,47,75,000.00
To Labour Cess	4,33,514.00	By Bioactive Efficiency	1,77,000.00
		By Construction of Office Building	35,99,740.00
		By Construction of Rest cum Inspection Shed	19,99,190.00
		By Micro Hydel Project Expenses	12,65,000.00
		By Electricity Charges	2,63,350.00
		By I I S F - 2019	8,93,420.00
		By I I S F - 2020	11,94,100.00
		By Incentive for Young Scientist	80,000.00
		By I E C	22,25,000.00
		By Infrastructure Development	66,71,324.00
		By Internet Connection	56,600.00
		By Maintenance & Furnishing of SRSAC Building	30,00,000.00
		By Internet Charges	88,173.00
		By Patent Information Centre	2,64,000.00



To Tender Fees	28,500.00	By Pending Liabilities	44,02,620.00
To Revenue Stamp	3,083.00	By Plastic Road	2,31,232.00
To Advance	1,79,71,444.00	By Postage Stamp	5,000.00
To TA Advance	35,000.00	By Purchase of New Vehicle	32,73,500.00
To Interest Received	49,83,445.00	By Purchase of Tyre	80,000.00
To Cash Recovery	6,73,680.00	By Salary to Project Director, DBT, Kimin, 2019-20	17,76,000.00
To TDS Refund	2,34,340.00	By GIA to Director, SRSAC	4,88,58,000.00
To HLTC	20,000.00	By Salary to Project Director, DBT, Kimin, 2020-21	25,27,000.00
To TA Advance returned	3,36,000.00	By GIA to Geothermal Project	8,00,000.00
To Uncleared Cheques Written off	1,52,365.00	By Upkeeping & Sustenance 2019-20	12,58,440.00
To Royalty	18,300.00	By Bank Error	5,000.00
To Received from State Grant (Non Salary) A/c	8,00,000.00	By Labour Charges	20,000.00
To Received for Electricity Bill	36,758.00	By Gratuity	18,46,947.00
To Salary Refund	83,874.00	By Transferred to DST	3,00,00,000.00
		By G I S	2,220.00
		By G P F	3,60,120.00
		By Robotic Awareness Programme(J.V.)	3,00,000.00
		By Closing Balance :	
		Cash in Hand	-
		Cash at Bank :	
		1.Survey & Investigation	38,113.60
		2.DBT TERI DNA Club	1,75,058.00
		3.A.P. Science Centre	3,52,11,377.91
		4.A.P.State Council for S & T (Old)	7,19,13,455.70
		5.Water Technology Initiative Project	2,758.60
		6.Thongleng Rong MHP	2,58,998.25
		7. Kodak MHP	9,45,843.00
		8. Siru Riju MHP	11,65,132.00
		9. Micro Hydrel Project	78,020.00
		10. Dori MHP	83,973.10
		11. Sakthang Rong MHP	1,32,703.60
		12. Agro Forestry	12,786.00
		13. State Plan Scheme	10,014.00
		14. Improving Traditional Water Mill Project	6,30,723.00
		15. Integreted Farming System	32,48,719.00
		16.Model Village Project	14,51,825.00
		17.Geothermal Project	2,40,436.80
		18. Rural Technology Centre	23,30,584.19
		19. State Grant (Non Salary)A/c	6,87,34,238.83
		20. State Grant (Salary)	4,70,63,298.00
		21. Pyani MHP	37,318.10
		22. Sea Buckthron Project	2,94,456.00
TOTAL	57,76,46,926.65	TOTAL	57,76,46,926.65

In terms of our report of even date.

Date : 26/10/2021



FOR, MUKESH PARIK & Co.
Chartered Accountants

Mukesh Kr Parik

Mukesh Kr Parik, FCA
(Proprietor)
M.NO. 306251

MUKESH PARIK & CO.
Chartered Accountants
Mukesh Kumar Parik, FCA



North Lakhimpur.
Ph.No.9957207048(M)

1. CAPITAL FUND AS ON 31.03.2021

Balance b/f			28,03,71,469.81
Add / Less : (Surplus / Deficit transferred)	Surplus	Deficit	
(1) Survey & Investigation	6,092.00		
(2) DBT TERI DNA Project	5,663.00		
(3) Science Centre	65,48,897.30		
(4) A.P.State Council for Science & Technology (OLD)	11,33,60,335.97		
(5) Water Technology Initiative Project	80.00		
(6) Thongleng Rong MHP	7,363.90		
(7) Kodak MHP		1,04,08,077.70	
(8) Siru Riju MHP		2,05,35,207.00	
(9) Micro Hydrel Project	2,339.00		
(10) Dori MHP	2,402.90		
(11) Shakthang Rong MHP	3,850.00		
(12) Agro Forestry		94,71,880.00	
(13) State Plan Scheme	1,857.00		
(14) Improving Traditional Water Mill Project	20,404.00		
(15) Integrated Farming System		28,80,995.00	
(16) Model Village Project		66,52,069.00	
(17) Geothermal Project	1,53,861.50		
(18) Rural Technology Centre		37,31,183.10	
(19) State Grant Account (Non Salary)	6,15,33,506.83		
(20) State Grant Account (Salary)		1,67,57,056.00	
(21) Pyani MHP	1,588.90		
(22) Sea Buckthron Project	8,705.00		
Prior Period Adjustment (Advance N.Das)	2,00,000.00		
Prior Period Adjustment (HRA Recovery)	5,280.00		
	18,18,62,227.30	7,04,36,467.80	

Surplus for the year

11,14,25,759.50

39,17,97,229.31

2. RESERVE & SURPLUS

Depreciation Reserve b/f

18,28,16,580.17

Add : Depreciation Provision for the year

2,72,54,679.69

21,00,71,259.86



3. CURRENT LIABILITIES:	Opening Balance	Addition	Paid	Closing Balance
Labour Cess	51,306.00	-	-	51,306.00
SSS	13,510.00	-	-	13,510.00
Vat payable	25,140.00	-	-	25,140.00
Vat payable (IDST)	15,495.00	-	-	15,495.00
GPF	31,120.00	-	-	31,120.00
GIS	1,440.00	-	-	1,440.00
SSS	120.00	-	-	120.00
CIVIC WATER CHARGES	1,320.00	-	-	1,320.00
SCIENCE CENTER :				
GST Payable	2,23,751.00	-	28,077.00	1,95,674.00
M M Royalty	5,220.00	-	-	5,220.00
S S S payable	67,206.00	-	-	67,206.00
Labour Cess payable	4,832.00	9.00	-	4,841.00
APSTC NEW :				
GST Payable	1,20,077.00	-	-	1,20,077.00
Vat Payable	616.00	-	-	616.00
D S T (OLD) :				
GST Payable	31,514.00	14,996.00	-	46,510.00
GIS payable	240.00	-	-	240.00
TDS	1,38,673.00	-	-	1,38,673.00
S S S payable	1,41,111.00	-	-	1,41,111.00
Income Tax	300.00	-	-	300.00
WATER TECHNOLOGY INITIATIVE :				
Labour Cess Payable	4,500.00	-	-	4,500.00
IMPROVING TRADITIONAL WATER MILL PROJECT :				
Labour Cess Payable	39,260.00	-	-	39,260.00
GST Payable	999.00	-	-	999.00
KODAK MHP :				
Labour Cess payable	60,760.00	-	-	60,760.00
GST Payable	12,496.00	-	-	12,496.00
SIRU RIJU :				
GST Payable	3,119.00	4,10,000.00	-	4,13,119.00
Labour Cess payable	-	1,46,600.00	-	1,46,600.00
RURAL TECHNOLOGY CENTRE				
GST Payable	-	1.00	-	1.00
STATE GRANT ACCOUNT (NON SALARY) :				
GIS payable	1,200.00	-	-	1,200.00
GST Payable	2,29,684.00	-	27,817.00	2,01,867.00
Vat Payable	41,282.00	-	-	41,282.00
S S S payable	46,485.00	-	-	46,485.00
Contingency payable	-	29,110.00	-	29,110.00
AGRO FORESTRY				
GST Payable	-	69,002.00	-	69,002.00
INTERGRATED FARMING SYSTEM				
GST Payable	-	1.00	-	1.00



Labour Cess payable	-	9,625.00	-	9,625.00
Royalty payable	-	2,450.00	-	2,450.00
<u>GEOTHERMAL PROJECT</u>				
GST Payable	-	8,580.00	-	8,580.00
Income Tax	99,469.00	-	-	99,469.00
<u>STATE GRANT ACCOUNT (SALARY) :</u>				
CM Relief Fund payable	-	5,948.00	-	5,948.00
GIS Payable	-	120.00	-	120.00
SSS Payable	-	4,478.00	-	4,478.00
<u>Transferred from Micro Hydel Projects :</u>				
Security Deposit	18,41,522.00	-	-	18,41,522.00
Royalty payable	55,581.00	-	-	55,581.00
Vat payable	3.00	-	-	3.00
Personal Deposit	8,000.00	-	-	8,000.00
Labour Cess (Kodak)	2,92,103.00	-	-	2,92,103.00
Temporary Loan from APSTC	5,00,000.00	-	-	5,00,000.00
<u>HILL ROAD</u>				
GST Payable	12,496.00	-	-	12,496.00
	41,21,950.00	7,00,920.00	55,894.00	47,66,976.00





MUKESH PARIK & CO.,
Chartered Accountants
Mukesh Kumar Parik, FCA

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4. SCHEDULE OF FIXED ASSETS AND DEPRECIATION THEREON AS AT 31ST MARCH 2021

Sl. No	Description of the Assets	Gross Block Cost as on 01-04-2020	Addition during the year	TOTAL	Rate	Depreciation			TOTAL Depreciation	NET Block as 31.03.2021
						Depreciation upto 31.03.2020	for the year 31.03.2021	Reversal of depreciation		
1	Vehicles	1,87,65,751.00	50,01,986.00	2,37,67,737.00	15%	1,80,29,824.60	11,97,451.96	(56,67,046.67)	1,35,60,229.89	1,02,07,507
2	Furniture & Fittings	50,00,110.00	17,000.00	50,17,110.00	10%	36,09,135.30	2,25,665.85	(8,48,683.81)	29,86,117.35	20,30,992
3	Office Equipments	6,21,26,589.88	33,13,411.00	6,54,40,000.88	10%	4,26,84,790.37	31,34,555.64	(97,58,616.98)	3,60,60,729.03	2,93,79,271
	Assets from MHP	25,44,624.00	18,21,714.00	25,44,624.00	10%	7,63,387.20	1,85,503.09	(73,794.10)	8,75,096.19	16,69,527
4	Computer Equipments	4,71,63,310.00		4,89,85,024.00	33.33%	7,74,44,396.25	22,70,619.48	(3,58,34,442.00)	4,38,80,573.73	51,04,450
5	EPABX System	38,070.00		38,070.00	10%	46,495.00	196.57	(10,390.68)	36,300.89	1,769
6	Office Building (Preparation of Map)	2,12,35,044.00	55,98,930.00	2,68,33,974.00	10%	93,60,123.40	13,51,907.95	(16,44,158.93)	90,67,872.42	1,77,66,101
7	Purchase of Office Building	3,00,00,000.00		3,00,00,000.00	5%	90,00,000.00	14,96,954.44	(9,91,668.75)	95,05,285.69	2,04,94,714
8	Electrical Equipments	15,68,857.00		15,68,857.00	15%	12,44,736.65	99,084.67	(3,36,444.11)	10,07,377.21	5,61,479
9	Bakery Equipments	6,40,300.00		6,40,300.00	15%	5,76,270.00	35,095.26	(1,69,938.42)	4,41,426.84	1,98,873
10	Laboratory Equipments	2,01,24,319.00		2,01,24,319.00	20%	2,00,57,421.40	13,24,347.64	(65,54,840.59)	1,48,26,928.45	52,97,390
Total		20,92,06,974.88	1,57,53,041.00	22,49,60,015.88		18,28,16,580.17	1,13,21,382.55	(6,18,90,025.03)	13,22,47,937.70	9,27,12,078



N.B. Depreciation on addition of Fixed Assets on days basis:**DETAILS OF ADDITION**

		Rs	
D.S.T. (OLD)			
Purchase of Vehicle / 17.02.2021		17,28,486.00	29,834.00
Office Equipment / 27.01.2021		4,27,800.00	7,384.00
Computer Equipment / 08.03.2021		2,62,928.00	5,522.00
SCIENCE CENTRE			
Office Furniture 13.03.2020		17,000.00	1,700.00
Computer Equipment 19/01/2021		2,17,937.00	14,130.00
Office Equipment		11,94,624.00	1,274.00
	08.05.2020	14,215.00	35,519.00
	20.03.2020	3,55,187.00	841.00
	17.01.2020	4,65,420.00	49,212.00
	16.01.2020	3,45,587.00	2,301.00
	15.04.2020	14,215.00	1,363.00
STATE GRANT ACCOUNT (NON SALARY)			
Office Equipment		16,90,987.00	35,519.00
	28.05.2020	3,55,187.00	841.00
	09.11.2020	12,64,950.00	49,212.00
	13.11.2020	60,850.00	2,301.00
Computer Equipment		11,73,766.00	1,66,359.00
	21.01.2020	4,99,128.00	89,049.00
	21.01.2020	2,67,175.00	43,014.00
	17.02.2020	1,29,056.00	69,225.00
	15.06.2020	2,62,314.00	1,220.00
	07.01.2021	16,093.00	2,07,172.00
Purchase of Vehicle	28.10.2020	32,73,500.00	1,94,274.00
Building	22.05.2020	55,98,930.00	



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**ARUNACHAL PRADESH STATE COUNCIL FOR
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ESS SECTOR, MAUNG-PHI COMPLEX, ITANAGAR.**

5. BANK BALANCES

(1) Survey & Investigation :	
Vijaya Bank	38,113.60
(2)DBT TERI DNA Project :	
Allahabad Bank	1,75,058.00
(3) A.P. Science Centre :	
Vijaya Bank	3,52,11,377.91
(4) A.P.State Council for Science & Technology (OLD) :	
Vijaya Bank	7,19,13,455.70
(5) Water Technology Initiative :	
Vijaya Bank	2,758.60
(6) Thongleng MHP :	
Vijaya Bank	2,58,998.25
(7) Kodak MHP :	
Vijaya Bank	9,45,843.00
(8) Siru Riju MHP :	
Allahabad Bank	11,65,132.00
(9) Micro Hydrel Project :	
Axis Bank	78,020.00
(10) Dori MHP :	
Vijaya Bank	83,973.10
(11) Sakthang Rong MHP :	
Vijaya Bank	1,32,703.60
(12) Agro Forestry (New) :	
Vijaya Bank	12,786.00
(13) State Plan Scheme :	
Vijaya Bank	10,014.00
(14)Improving Traditional Water Mill Project :	
Allahabad Bank	6,30,723.00
(15) Integrated Farming System :	
Vijaya Bank	32,48,719.00
(16) Model Village Project :	
Vijaya Bank	14,51,825.00
(17) Geothermal Project :	
Vijaya Bank	2,40,436.80
(18) Rural Technology Centre :	
(a) Bank of Baroda	23,30,584.19
(19) State Grant Account (Non Salary) :	
(a)Bank of Baroda	6,87,34,238.83
(20) State Grant Account (Salary) :	
(a)Vijaya Bank	4,70,63,298.00
(21) Pyani MHP :	
Vijaya Bank	37,318.10
(22) Sea Buckhron Project	
Canara Bank	2,94,456.00
Fixed Deposits with Bank	4,70,55,868.00
	28,11,15,700.68



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ESS SECTOR, MAUNG-PHI COMPLEX, ITANAGAR.**

6. SUNDRY ADVANCES AS AT 31ST MARCH 2021.

A. D S T (OLD)

a. T A Advance

	Op. Balance	Addition	Adv.Realised	Closing Balance
P Lombi	3,741.00	-	-	3,741.00
Dado Tadung	850.00	-	-	850.00
R Konwar	19,352.00	-	-	19,352.00
Tenzin Sherap	15,347.00	-	-	15,347.00
Kemo Lollen	50,000.00	-	-	50,000.00
Rup Jyoti Konwar-Delhi Tour	25,000.00	-	-	25,000.00
Belong Donyi-Delhi Tour	25,000.00	-	-	25,000.00
Chairman , Education Cultural De	6,40,000.00	-	-	6,40,000.00
Ranjan DAS	2,60,000.00	-	-	2,60,000.00
C.D. MUNGYAK	5,448.00	-	-	5,448.00
S Dawa	14,047.00	-	-	14,047.00
Chock Khochi	12,48,000.00	-	-	12,48,000.00
S.R.Khochey	1,000.00	-	-	1,000.00
Joram Aku	300.00	-	-	300.00
B.Yomcha	1,500.00	-	-	1,500.00
Subu Tarang	1,75,650.00	-	1,50,000.00	25,650.00
Tissya Mungyak	2,02,650.00	-	1,50,000.00	52,650.00
Damtu Romin, AAO	16,000.00	40,583.00	36,000.00	20,583.00
	27,03,885.00	40,583.00	3,36,000.00	24,08,468.00

b. Medical Advance

R K Mission Hospital	45,000.00	-	-	45,000.00
	45,000.00	-	-	45,000.00

c. Other Advance

Dibrugarh University(Black Apong)	-	3,04,803.00	3,04,803.00	-
Bameng Apo	-	4,90,500.00	-	4,90,500.00
J katans	30,500.00	-	-	30,500.00
S R Kochey	82,746.00	-	-	82,746.00
J K Bhattacharjee	2,573.00	-	-	2,573.00
B M Enterprises	39,27,500.00	-	-	39,27,500.00
B Kumar	7,57,000.00	2,72,000.00	1,67,000.00	8,62,000.00
Indegenious Pottery Devt	7,50,000.00	-	-	7,50,000.00
Education and Cultural Development	1,60,000.00	-	-	1,60,000.00
Tath Enterprises	8,00,000.00	-	-	8,00,000.00
Riyam Enterprises	9,00,000.00	-	-	9,00,000.00
Bhim Prasad Sharma	2,00,000.00	-	-	2,00,000.00
D.Mahanta	3,070.00	-	-	3,070.00
Pankaj Bhakali	3,60,000.00	-	-	3,60,000.00
N.Penzom	3,310.00	-	-	3,310.00
Pakngu Lombi	8,52,500.00	3,94,500.00	9,02,704.00	3,44,296.00
T.Ronya	15,611.00	-	-	15,611.00



PES Sanitary Napkin	2,12,000.00			2,12,000.00
Joram Aku	7,84,000.00			7,84,000.00
Dunyak Ado	3,60,000.00			3,60,000.00
Gem Peri	-	15,000.00		15,000.00
Rupiyoti Konwar	5,07,000.00		5,07,000.00	-
Ranjan Das	-	3,94,023.00		3,94,023.00
Miss Neelam Kuma	-	1,56,000.00	50,000.00	1,06,000.00
	1,07,07,810.00	20,26,826.00	19,31,507.00	1,08,03,129.00

d. POL Advance

Dado Tatung	3,000.00	-	-	3,000.00
C K Mowlong(SRAC)	20,000.00	-	-	20,000.00
	23,000.00	-	-	23,000.00

e. HLTC Advance

B.Kumar	-	55,698.00	20,000.00	35,698.00
	-	55,698.00	20,000.00	35,698.00

f. FESTIVAL ADVANCE

Total (A=e to f)	-	-	-	-
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	1,34,79,695.00	21,23,107.00	22,87,507.00	1,33,15,295.00
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B. REMOTE SENSING**a. T A Advance**

	Opening Balance	Addition	Adv. Realised	
R K Thongdok	4,800.00	-	-	4,800.00
C K Manlong	39,798.00	-	-	39,798.00
P lumbi	255.00	-	-	255.00
Dr. S Acharjee	5,646.00	-	-	5,646.00
B Kumar	2,452.00	-	-	2,452.00
L Tajo	56,038.00	-	-	56,038.00
Jutsam Khatang	8,211.00	-	-	8,211.00
H K Dutta	7,998.00	-	-	7,998.00
	1,25,198.00	-	-	1,25,198.00

b. HLTC Advance

T Ronya	2,200.00	-	-	2,200.00
	2,200.00	-	-	2,200.00

c. Medical Advance

Jutsan Khatang	50,000.00	-	-	50,000.00
	50,000.00	-	-	50,000.00

d. OTHER ADVANCE

y YUMGAM	1.00	-	-	1.00
D. Mahanta	3,82,299.00	-	-	3,82,299.00
A P Homeo	8,500.00	-	-	8,500.00
Festival Advanced	1,850.00	-	-	1,850.00
S Acharjee	2,500.00	-	-	2,500.00
	3,95,150.00	-	-	3,95,150.00

e. MATURE PROJECT (Since Discontinued)

Tenzing Sherap	4,218.00	-	-	4,218.00
	4,218.00	-	-	4,218.00

f. FAST TRACK

	310.00	-	-	310.00
	310.00	-	-	310.00
	5,77,076.00	-	-	5,77,076.00

C. DBT TERI DNA CLUB PROJECT

	Opening Balance	Addition	Adv. Realised	
D Mahanta	5,00,000.00	-	-	5,00,000.00
Tilok Pokhrel	22,000.00	-	-	22,000.00
	5,22,000.00	-	-	5,22,000.00



D. INTEGRATED DEVELOPMENT OF WASTE LAND

Advance for T E	Opening Balance	Addition	Advance Realised	Closing Balance
S Dev.	20,000.00	-	-	20,000.00
	20,000.00	-	-	20,000.00

E. SCIENCE CENTRE

	Opening Bal.	Addition	Adv. Realised	Closing Balance
a. TA Advance :				
Momo Polo	43,500.00	-	-	43,500.00
B.Mangha	-	50,000.00	-	50,000.00
Vivek Kumar	37,600.00	-	-	37,600.00
Subu Tarang	21,700.00	-	5,000.00	16,700.00
Mui Susi	16,700.00	-	-	16,700.00
b. OTHER ADVANCE :				
Gem Peri	1,19,550.00	1,10,000.00	1,12,550.00	1,17,000.00
Subu Tarang	35,000.00	35,300.00	5,000.00	65,300.00
Energy Reknown Institute	65,169.00	-	-	65,169.00
N.E Construction Agency	30,000.00	-	-	30,000.00
Khoda Yadar	80,000.00	-	-	80,000.00
Mom Oma Polo	1,10,000.00	-	-	1,10,000.00
Genne Electro	7,22,500.00	-	-	7,22,500.00
Manoj Kumar	1,40,500.00	-	-	1,40,500.00
Rupiyoti Konwar	2,50,020.00	-	-	2,50,020.00
Chau Narini	-	14,000.00	-	14,000.00
Neelam Maj	7,87,500.00	1,70,000.00	7,87,500.00	1,70,000.00
	24,59,739.00	3,79,300.00	9,10,050.00	19,28,989.00

F. RGNDWM

S Deb	44,401.00	-	-	44,401.00
	44,401.00	-	-	44,401.00

G. KODAK MH PROJECT

a. TA ADVANCE :				
Ranjan Das	33,000.00	-	-	33,000.00
b. OTHER ADVANCE :				
Tenjeen Sherap	5,206.00	-	-	5,206.00
S.R.Khochi	2,60,000.00	-	-	2,60,000.00
R K Thongdok	11,500.00	-	-	11,500.00
T Ronya	17,200.00	-	-	17,200.00
	3,26,906.00	-	-	3,26,906.00

H. SIS-DP PROJECT

C K Manglong	5,400.00	-	-	5,400.00
M/s Emergent Technology	5,00,000.00	-	-	5,00,000.00
Dr.Binita Baruah	6,750.00	-	-	6,750.00
	5,12,150.00	-	-	5,12,150.00

I. GEOMORPHOLOGY PROJECT

a. Other Advance :				
S DEB(Advance for TE)	85,500.00	-	-	85,500.00
	85,500.00	-	-	85,500.00

J. GEOTHERMAL PROJECT

Toter Poyom	-	2,50,000.00	-	2,50,000.00
Sange Dawa	-	2,50,000.00	-	2,50,000.00
b. T A Advance :				
Sange Dawa	-	4,185.00	-	4,185.00



V. AGRO FORESTRY

a. T A ADVANCE

C.D.MUNGYAK

1,50,000.00 - - 1,50,000.00

1,50,000.00 - - 1,50,000.00

W. STATE GRANT (SALARY)

b. T A ADVANCE

Bamang Apo

- 20,000.00 - 20,000.00

- 20,000.00 - 20,000.00

X. STATE GRANT ACCOUNT (NON SALARY)

a. T.A.ADVANCE

b. OTHER ADVANCE

T.Ronya

1,83,000.00 - 1,83,000.00 -

V.Kumar

4,50,000.00 - 4,50,000.00 -

Yiyo Yomgam

- 1,19,000.00 19,000.00 1,00,000.00

T.Sherpa

40,000.00 - - 40,000.00

Bamang Malo

3,00,000.00 1,00,000.00 2,00,000.00 2,00,000.00

Camdir Motors

- 1,00,000.00 1,00,000.00 -

Tilok Pokhral

- 58,494.00 50,000.00 8,494.00

9,73,000.00 3,77,494.00 10,02,000.00 3,48,494.00**3,66,42,983.00 44,51,976.00 1,83,62,444.00 2,27,32,515.00**

North Lakhimpur.
Ph.No.9957207048(M)

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DETAILS OF FIXED DEPOSIT AS ON 31ST MARCH 2021

Particulars A/c No.	O / B as on 01.04.2020	Date of maturity	Interest accrued	Rate of interest	Less : Matured	Additions Rs.	Amount transferred to General Fund	Closing Balance Rs.
1) 65450300000225	1,01,54,559.00		5,62,380.00	5.10		-	-	1,07,16,939.00
2) 65450300000365	59,29,285.00		3,40,318.00	5.10		-	-	62,69,603.00
3) 65450300001817	43,63,146.00		2,54,954.00	5.10		-	-	46,18,100.00
4) 65450300001015	2,44,95,167.00		11,90,399.00	6.00	2,34,340.00	-	-	2,54,51,226.00
	4,49,42,157.00		23,48,051.00		2,34,340.00			4,70,55,868.00

INTEREST RECEIVED AS PER INTEREST CERTIFICATE

F D INTEREST	TDS DEDUCTED
17.06.2020	55,888.00
28.09.2020	30,393.00
29.09.2020	1,47,429.00
29.09.2020	630.00
30.03.2020	2,54,178.00
31.10.2020	36,742.00
29.09.2020	31,322.00
29.03.2021	
29.03.2021	5,56,582.00
25.08.2020	
29.09.2020	
29.03.2021	
	23,48,051.00



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ARUNACHAL PRADESH STATE COUNCIL FOR SCIENCE & TECHNOLOGY
&
DEPARTMENT OF SCIENCE & TECHNOLOGY , GOVT.OF ARUNACHAL PRADESH
ESS SECTOR : MAUNG - PHI COMPLEX : ITANAGAR
ARUNACHAL PRADESH.

NOTES ON ACCOUNT & GENERAL OBSERVATION.

1 Significant Accounting Policies;

The APSCS&T follows cash basis of accounting and recognises its income and expenditure on payment basis.

2 Fixed Assets:

Fixed Assets appears at Historical Cost less depreciation.

The fixed assets purchased are through combined vouchers so combined fixed assets are classified as per best classification.

3 Depreciation:

Depreciation has been provided on Written down value method.

The following rates has been provided on fixed assets.

Furniture and Fixture-	10%
Computer, Camera, and Other Equipment	33%
Building	5%
Other Equipments	15%

4 INVESTMENT;

The Interest on investment has been taken as per bank statement received.

5 CHANGE IN ACCOUNTING POLICY :

From Financial Year 2020-21 depreciation has been provided on WDV basis and effect has been given from financial year 2016-17. So, depreciation amounting to Rs. 6,18,90,025.03 (Rupees Six Crore Eighteen Lakhs Ninety thousand twenty five and paise three) only has been reversed due to excessive depreciation charged earlier.





