

A. KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE

Kumarappa National Handmade Paper Institute is one of its kind in whole of the Asia which came into existence out of UNDP-KVIC GOI project and emerged as a world class centre of excellence for the growth & development of Indian Handmade Paper Industry. Looking into the present and future requirements of Indian handmade paper industry the institute has been focusing its R&D activities to explore alternative and cost effective locally available ligno-cellulosic raw materials. Energy conservation, environmental management, development and design of eco-friendly products to improve the competitiveness of handmade paper industry in domestic and global market Human resource development activities coupled with the technical consultancy has been helping the handmade paper industry in India and abroad in skill up-gradation and upliftment of handmade paper sector.

A.1 OBJECTIVES OF THE INSTITUTE

To promote the cause of the handmade paper industry through:

- ❖ Technology development for handmade paper sector by carrying out R&D
- ❖ Technology transfer and its implementation
- ❖ Maintain laboratories, pilot plant, workshops
- ❖ HR development in the sector
- ❖ Publication of books, papers, periodicals and scientific data
- ❖ To encourage discoveries examine and publish information regarding the nature and merits of inventions, improvements materials and designs
- ❖ To take and acquire patents or licenses relating to such inventions improvements or processes and to acquire and register designs and standardization marks and to develop, perfect and test their value.

A.2 MEMBERS OF GOVERNING COUNCIL OF KNHPI

1. The Chairman, KVIC/President, G.C., KNHPI
Khadi & V. I. Commission,
3, Irla Road, Vile Parle (W)
MUMBAI – 400 056.
2. Chief Executive Officer
Khadi & V. I. Commission,
3, Irla Road, Vile Parle (W)
MUMBAI – 400 056.
3. Jt. Secretary
Ministry of ARI,
Govt. of India,
Udyog Bhawan,
NEW DELHI – 110 011.
4. Financial Advisor
Khadi & V. I. Commission,
3, Irla Road, Vile Parle (W)
MUMBAI – 400 056
5. Dy. CEO (NZ),
Khadi & V.I.Commission
MDTC Gandhi Darshan Rajghat, Delhi.
6. Director
Central Pulp & Paper Research Institute,
Paper Mills Road,
Himmat Nagar,
SAHARANPUR.

7. The Chief Executive Officer*
Mizoram Khadi & V. I. Board,
ZORUN (Rev. Dr. Zairema Building),
Zarkawt, AIZAWL – 796007 (MIZORAM).
8. The Secretary*
Rajasthan Khadi & V. I. Board,
Gokulbhai Bhatt Memorial Bhavan,
J.L.N. Marg, Near Telephone Exchange,
Bajaj Nagar, JAIPUR.
9. Dr. Vimal Kumar
Advisor, Ministry of Science & Technology
Department of Science & Technology,
Room No. 17-B, Technology Bhavan
New Mehrauli Road
NEW DELHI.
10. Dr R K Jain
R-14/160, Sector-14
Raj Nagar, GHAZIABAD
11. Sri Alimuddin Kagazi
M. D./Member, GC, KNHPI
Salim Handmade Paper Industry,
Gramodyog Road, Sanganer,JAIPUR.
12. The Director
Handmade Paper & Fiber Industries
Khadi & V. I. Commission
3, Irla Road, Vile Parle (W)
MUMBAI- 400 056

13. Head of Department
Indian Institute of Technology Roorkee
Department of Paper Technology
Paper Mill Road
SAHARANPUR-247001
14. The Director, KNHPI/Member /Convener G.C.
Kumarappa National Handmade Paper Institute,
Ramsinghpura, Sikarpura Road,
Sanganer,
JAIPUR.

Co-opted Members from handmade paper units one each from six zones as invited members

- A. Shri B. G. Seetharam, B.G. Handmade Paper (South Zone)
- B. Shri Pramod Garg, Shankar Gramodyog Sewa Sansthan, Hapur
- C. Shri Abul Hassan, A. L. Paper House, Jaipur (North Zone)-
- D. Shri SangbuTseringBhutia, Gangjong Paper Industry Kalimpong
- E. Shri C.S.Kelkar Heritage Industries Pune (West Zone)-
Zephyr Papers, Lower Nandok, P.O. – Ranipool, East Sikkim

RESEARCH ADVISORY BOARD

| NAME | DESIGNATION | ORGANIZATION |
|-------------------------|---|---------------------------------------|
| Dr. R. K. Jain | Ex-Director, | CPPRI, Saharanpur |
| Dr Vimal Kumar, | Advisor, Ministry of Science e& Technology, | Department of Science & Technology |
| Dr S Greep, | Director | S&T, KVIC, Mumbai |
| Shri Pramod Garg, Hapur | Owner of Handmade paper unit | Shankar Gramodyog Sewa Sansthan, |
| Shri A K Garg, | State Director | KVIC, Jaipur |

B. STATUS OF HANDMADE PAPER INDUSTRY IN INDIA

The handmade paper making entered into India in the 11th Century and saw its growth to the zenith during the Moghul period. The industrialization brought the doom for this industry also during the reign of British empire. The pathetic condition of handmade paper industry was tried to be salvaged during the efforts of great visionaries, the likes of Mahatma Gandhi and Prof J. C. Kumarappa. And in the independent India, the responsibility for the survival of this industry was shouldered upon Khadi & V.I. Commission. And in the year 1991, there happened to be the rise of Kumarappa National Handmade Paper Institute at Sanganer Jaipur for the revival and strengthening of Indian handmade paper industry. The industry has seen the tremendous growth since the inception of the institute because of many focused activities of the Institute. Due to increase in living standard of the society, literacy rate in every state of India, industrialization, modernization the demand of paper is bound to increase. Forest levels in the world are decreasing because of huge deforestation occurring to manufacture paper & board and for other purposes. The following table shows how the deforestation is taking place all over the world and is leading to precarious situation environmentally. The Forest cover in our country is 23.8% as per the World Bank Report 2015. It has slightly increased from 23.1 % in the year 2012. To maintain the ecological balance, there should be at least 33% of the forest cover of the total land area of the nation. A lot of deforestation is taking place for paper production from forest based raw materials and for the livelihood of the tribal. Although there is more stress on use of recycled fiber and that has increased in our country also i.e. up to 47% from 30% but still 31% of paper production is dependent upon forest based raw materials. India having forest cover of 23.8 % as per the information given above, cannot afford to lose its forests further to harm its ecology and environment. Also a country of size of ours with huge proportion of unemployed youth cannot go for big industries which are functioning in a much mechanized way. The solution to un-employment and environment is just one and that is handmade paper making. Number of small scale handmade paper based on locally available non-forest based raw materials which are not only available in plenty but cheaper also, can be set up with less capital investments. The capital required for big paper mill is very high and runs into multi crores. Thus the handmade paper industry can be seen as a prospective industry for the time to come, though facing challenges at present which is hoped are short lived and not going to remain for long.

C. INTERNAL REVENUE GENERATION

STATUS OF IRG EARNED DURING 1ST APRIL 2019 TO 31ST March 2020

| S.N | ACTIVITY | TARGET FOR YEAR 2019-20 Rs. in lakh | AMOUNT Rs. in lakh |
|-----|---|---|--------------------|
| 1 | Training | 10.00 | 10.36 |
| 2 | Consultancy/ Technical Services Paper Testing | 0.75 | 2.38 |
| 3 | Sale of Paper/ Domestic market of carry bags (IRG Approx) | 12.00 | 8.20 |
| 4 | Misc Income(G.H., Tender fee, Interest etc) | 1.25 | 3.32 |
| | TOTAL | 24.00 | 24.26 |

D. PROGRESS AND ACTIVITIES

D.1. HUMAN RESOURCE DEVELOPMENT

Under Training Program, the Institute conducted various training courses during the year 2019-20. The details of training programs are as under:-

| S,N | NAME OF TRAINING | DURATION OF TRAINING | TARGET | NO, OF CANDIDATES TRAINED FROM 1 ST APRIL TO 31 ST March , 2020 |
|-----|---|-------------------------|--------|--|
| 1 | EDP training especially for J&K | 10 days | - | 23 |
| 2 | Condensed Course for Handmade Paper Making | Five days | 65 | 20 |

| | | | | |
|----|---|--------------|------------|------------|
| 2 | ESDP Training on Handmade Paper Making sponsored by MSME ,Dev. Center Jaipur | Twenty Days | - | 27 |
| 3 | EDP Training on Handmade Paper Making | Two days | 04 | 04 |
| 4 | Quality Management in paper making | Five days | 04 | 01 |
| 5 | Quality Management for handmade paper making | Three days | 05 | - |
| 6 | B. Tech. Dissertation Program in Chemical Engineering/Environment Laboratory/Biotechnology/Microbiology | Six Months | 06 | - |
| 7 | M.Tech Dissertation Program in Chemical Engineering/Environment Laboratory | Ten Months | 02 | - |
| 8 | M.Tech Dissertation Program in Biotechnology/Microbiology | Six months | 02 | - |
| 9 | One day Training cum Workshop/ Awareness on Recycling of Waste Paper for handmade Paper Making” and “ Utilization of waste for making value added paper and paper products under Swachh Bharat” in Environment Laboratory/Biotech Lab/Paper section . | One day | 125 | 127 |
| 10 | Phd. Study in Chemical Engineering/Environment Laboratory/Biotechnology/Microbiology | Three months | 04 | - |
| 11 | Product Development in paper making | 05 days | 10 | 20 |
| | | TOTAL | 227 | 222 |

From the above training program the Institute received an amount of **Rs. 10.36 Lakh** as training fees against of the target of Rs. 10.00 lakh

Orientation training program

Two weeks Orientation training program for the army, Kupwada, Jammu. till 20th April 2019.



Faculty Development Training Program

05 days Faculty Development Training Program conducted by Dr Kaushiki, Faculty of Shobhit University, Meerut on “Handmade Paper Making from Waste Material” from 10th June to 14th June 2019 under guidance of Dr Saakshy, RA, KNHPI.



ESDP training from 11th September to 24th October 2019

The ESDP'19 titled as ***“Manufacturing Eco-friendly Handmade Paper and Value added products from recycling of waste paper rags/natural fibers”*** sponsored by MSME ,Dev. Center Jaipur covered both the skill development and the entrepreneurship development aspects of training. The skill development part was organized by KNHPI and the Entrepreneurship development part was covered by DIC Office, MSME, Jaipur. **A total of 27 participants from different parts of the country attended the programme.**



QUALITY MANAGEMENT IN PAPER MAKING

The 05 days short term training on “Quality Management in Paper Making” conducted for Mr Bhupesh Kumar from 16th September 2019 to 20th September 2019.



CONDENSED COURSE

Mr. Mohit Thukral, M/S Creatis, Jaipur attended a *Condensed Training Course (CTC)* on “*Biotechnological Applications in Handmade Paper Industry*” under the guidance of Dr. Sunita Chauhan, Biotech lab I/C at KNHPI during the period from **18.9.2019 to 24.9.2019**.

EXPOSURE VISIT

The exposure visit of batch from Malaviya National Institute of Technology Jaipur conducted on 15th January 2020.



TRAINING ON HANDMADE PAPER PRODUCTS

The training course on handmade paper products organized from 20th January 2020 to 25th January 2020 sponsored by State Office, KVIC, Jaipur.







PROPOSED NEW TRAINING PROGRAMS

1. Specialized course in pulp and paper technology as B.Tech (Chemical Engg.) with specialization in pulp and paper technology in various universities.
2. The Skilled development training program has been organized in collaboration with MSME Development Centre, Jaipur.

D.2 TECHNICAL AND CONSULTANCY SERVICES

The paper testing laboratory of the Institute is engaged in testing of paper and products for fiber analysis, pH, Ash etc. for internal research and external agencies. The consultancy services were provided to the following agencies:

1. Mr Naveen Singhania Pulping process for two raw materials
2. M/s Sheet Kamal , Jaipur Pulping process for two raw materials

The DPR was prepared for M/s. Shri Shri Rural Dev. Trust Bangluru. The technical services were rendered to the following agencies:

| S.N | Name of party | Tests details |
|-----|---|--|
| 1 | Ms Neelam Singh, Jaipur | Fibre analysis, Ash, pH |
| 2 | MrVasantBhaiBhogilal Shah, Ahmedabad | pH, Ash |
| 3 | Paperdom, Ahmedabad | Fibre analysis, Ash, pH |
| 4 | Hayat Paper | pH |
| 5 | Century Overseas, Jaipur | pH |
| 6 | Kalpana Handmade Paper Industries, Jaipur | Fibre analysis, pH |
| 7 | Salim's Handmade Paper & Board Industries, Jaipur | Fibre analysis, pH |
| 8 | Salim's Handmade Paper & Board Industries, Jaipur | Fibre analysis |
| 9 | Institute of Natural Dyes, Jaipur | Fibre analysis, Ph |
| 10 | Goyal Crafts, Jaipur | Fibre analysis |
| 11 | Ama Industries, Jaipur | Moisture, Density |
| 12 | G B Pant Institute of Himalayan Environment & Development, Almora | Basis weight, pH, Thickness, Tear Index, Burst Index, Ash, Moisture |
| 13 | O G Hemp Company, Kolkatta | Basis weight, Porosity, Tear Index, Burst Index, Caliper, Fibre Analysis |
| 14 | Jagannath Polymers Pvt Ltd | Tear Index |
| 15 | Seet Kamal International, Jaipur | pH |
| 16 | Arman Paper Board Co. Jaipur | Fibre Analysis |

D.3 PILOT PLANT AND PRODUCT DEVELOPMENT

The pilot plant of the Institute is engaged in demonstration and practical training during on- going training program and workshops. Apart from this services of pilot plant is also utilized to manufacturing of different types of papers like tissue paper, balloting paper , paper for file covers and envelopes and paper for carry bags to increase the IRG of the Institute through domestic marketing. During the period, the Institute under domestic market supplied the stationery items, like file covers, folders, Envelops blotters, Vedic paint etc including of different sizes of carry bags to KVIC office and KGBs **amounting of Rs. 53.85 lakhs.**

The details of Carry bags/ file Covers and Vedic Paint etc supplied by KNHPI

| S.N | NAME OF THE ITEMS | NO. OF CARRY BAGS /FILE COVERS SUPPLIED | AMOUNT Rs. Lakh |
|-----|--|--|--------------------|
| 1 | Carry Bags | 489560 | 4965352.00 |
| | | | |
| 2 | File Covers/ Folders/ Noting Sheets/ Pads etc | - | 183611.00 |
| 3 | Vedic Paint | 1655 Lts | 235698.00 |
| | | Total | 5384661.00 |



HON'BLE CHAIRMAN, CEO, JT. SECRETARY & JT. CEO WATCHING THE BAG MAKING PROCESS AT KNHPI

D.4 SPONSORED PROJECTS

ONGOING PROJECTS

Under research and development Program of the Institute the followings research projects were sanctioned by S&T, KVIC and DST Govt. of India. The studies are being conducted. The details of the projects are under:-

I. Decolorization of mixed colored hosiery cutting/tailor cutting and total chlorine free bleaching of lingo-cellulosic raw materials using ozonation and enzymatic route. (Project sponsored by S&T KVIC) :Spectrophotometer installed and studies initiated.

II. Uniform external sizing/Coating of handmade paper. (Project sponsored by S&T KVIC) :Muffle furnace, Surface Oil Absorbency tester and Oven installed and studies initiated.

III. Development of Antibacterial natural dye from cow dung liquor in handmade paper making process using cow dung as raw material. Project sponsored by S&T, KVIC, Project cost: 13.40 lakhs: Approved in February 2020

IV. Development of Organic vedic paint from cow dung. Project sponsored by S&T, KVIC, Project cost: 15 lakhs

- Installation of pug mill and twin shaft machine
- Standardization of parameter of paint

V. Development of Eco-friendly handmade paper and paper board from bamboo & other lingo-cellulosic raw materials available in North east region”

(Project under DST, Govt. of India); Project cost: Rs. 30.90 Lakhs

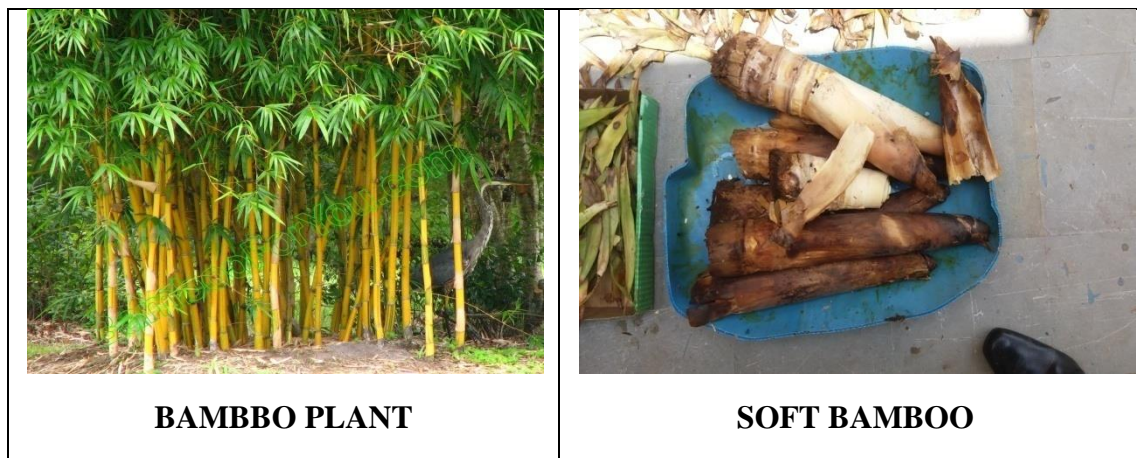
The undersigned participated in review meeting held on 2nd August 2019. The undersigned was part of selection committee for selection of JRF and Field worker under the project. The interview was held in KNHPI on 7th September 2019 at 11:00 AM.

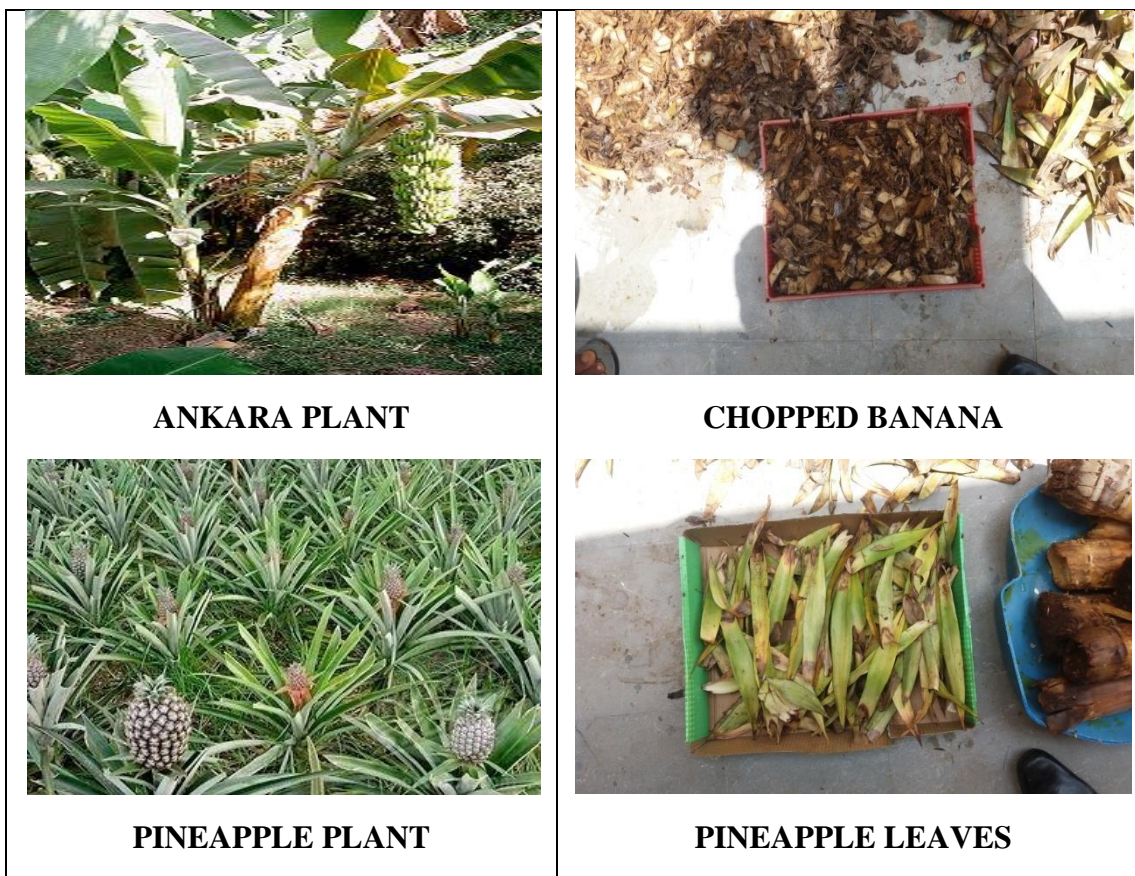
Recent new trend of applications of green fibres and related products permit to draw the following conclusions: Fast growing population as well as eco and health awareness create large space for future expansion of other than rag fibres. The change of consumer's taste also attract the handmade paper makers for the production and processing of these fibres in handmade paper industry. Due to fast progress in research and development, leaf and bast fibres are used for the production of non-wood pulps. This can help to stop forest depletion, flood of non biodegradable waste, environmental degradation. This can also rise living standard of rural areas in many part of globe. Some cultivation of natural lignocellulosic fibrous plants like bamboo, banana and pineapple can solve the problem of the extraction of fibres at cheap rate by using bio retting processes. Green stem as a whole used to fulfill in increasing demand of handmade paper in a wide- spectrum of bio-composite materials with man-made or natural polymers to provide a wide range of useful composites in paper industries.

Recycling of natural fibre-reinforced composites is relatively easy and convenient. This fact makes one of the most important factors in forecasting the future **growth of production and consumption** of these materials. When preparation of natural fibers from the point of view of their homogeneity and quality would be improved, a new **big potential market** for natural fibers can emerge. Beating / Pulping of these raw materials is based on the use of non-polluting chemicals such as NaOH, peroxides, sulphite with minimum **dosages and per suggestion of Mentor**. It has been avoided to use harmful chemicals like sulphate, chlorine and chlorine compounds for the delignification processes. There is no any major pollution or negative impact on environment. Presently most of the HMP in India uses cotton rags or waste paper.

The Raw materials bamboo, Banana & Pine apple has been procured from Kimin personally by the JRF and Field Worker/Helper for the processing of it at KNHPI. The whole fibres were used to make handmade paper with using mild dose of chemicals. The experimental study of the fibre structure and chemical composition including cellulose, lignin and extractives are based on investigation of bamboo, banana and pineapple fibres which were collected from Shillong & Kimin.

Photograph of the raw materials and fibres structure:





VI. Development of Wet Tissue, Herb & Cosmetics Paper and Design Development with Screen/Block Printing.(Project under S&T , KVIC). Project cost: 12.66 Lakhs

Machines are installed Project work completed and final report preparation is under progress for submission to S&T , KVIC, Mumbai. The work on utilization of wet tissue paper in to different categories of product has not been done so far from any handmade paper units. The industry could not able to print their paper in-house and they are bound to send it outside the city. So if the installation of printing at KNHPI been done it will be easier for them get it print at institute at minimum price. The Institute will also get IRG from the said work. The use of these new technologies may also available for others like traders of mill made paper and converters. Presently the handmade paper are selling in sheet forms to big traders in metropolitan city. The Big traders after printing in different texture selling at good price. If the printing technology is available at Institute they will get printing on paper at reliable price Therefore there is need of such infrastructure at the institute. After installation of Screen Printing and Block Printing the institute can have IRG from training as well the printing. Installation of wet pouch making machine will enhance production of different kind of tissue like herb and cosmetic. Presently, it is being done at outside which takes lot of time and also not cost effective.



WET TISSUE PAPER POUCH MAKING MACHINE



SCREEN PRINTING MACHINE



INAUGURATION OF WET TISSUE POUCH MAKING MACHINE BY THE JOINT SECRETARY MSME, CEO KVIC AND HON'BLE CHAIRMAN



SCIENTISTS EXPLAINING THE WORKING OF POUCH MAKING MACHINE TO HON'BLE CHAIRMAN



SCIENTISTS EXPLAINING THE WORKIGN OF POUCH MAKING MACHINE TO JOINT SECRETARY MSME, CEO KVIC AND HONORABLE CHAIRMAN KVIC



SCIENTISTS EXPLAINING THE RUNNING OF SCREEN PRINTING MACHINE TO HONORABLE CHAIRMAN, KVIC.

SUBMISSION OF PROJECT PROPOSALS

The following project proposals were submitted:

| S.N | TITLE | SPONSORING AGENCY |
|-----|---|---|
| 1 | Development of value added products (Hawan Samagri, Energy briquettes, Natural dyes etc) from flower waste and coconut shell. | S&T KVIC, Mumbai |
| 2 | Reutilization of polythene waste for making value added paper and other products | Department of Science & Technology (DST).The power point presentation was made on 22 nd October 2019 on the project proposed during final evaluation meeting held at INSA, expert advisory committee (EAC) constituted for Waste Management program. The committee ecommended the proposal with a condition and is under progress. |
| 3. | Recycling Temple Waste (Flowers/Coconut Shells/Dhwaza Clothing etc.) For Making Handmade Paper and Utilizing Waste shells of Coconut as an Ecofriendly Fuel Alternative | S&T KVIC, Mumbai |
| 4 | Evaluation of Certain Pigmented Microbes from Nature and to see the Possibility of Using Extracted Pigment for Dyeing the Handmade Paper | S&T KVIC, Mumbai |
| 5 | Development of Biofertilizer/Plant Growth Enhancers from Waste Liquors of Handmade Papermaking from Cow Dung | S&T KVIC, Mumbai |
| 6 | Utilizing Waste shells of Coconut (from temples/juice vendors/restaurants etc.) as an Ecofriendly Fuel Alternative for Cement and Other Industries | S&T KVIC, Mumbai |
| 7 | Improvement of the Quality of Machine Extracted fiber of Banana through Enzymes | S&T KVIC, Mumbai |

The IInd Task Force Committee meeting was held in the Institute on 29th December 2017 and discussions held regarding new project proposals. The project proposals entitled as given below have been recommended by Task Force Committee

5. PARTICIPATION IN TRAINING/ EXHIBITION/CONFERENCES/MEETINGS



- Dr Saakshy, RA participated in exhibition organized by DST in Swachhta Hi Sewa.
- Mr. Baleshwer Prasad, Assistant Director-II, Dr. Atul Kumar, SRA, Moh. Esa Khan, SRA, Dr. Saakshy, RA and Dr. Sunita Chauhan, RA participated in 14th International Exhibition (Paperex 2019) on Pulp, Paper and allied products at Pragati Maidan, New Delhi from 3rd to 6th December 2019.
- The power point presentation was made on the project proposed by undersigned during final evaluation meeting held at INSA, expert advisory committee (EAC) constituted for Waste Management program has recommended the proposal with a condition and is under progress.
- The exhibition participation was done in Manipal University Jaipur on 19th and 20th February 2020 along with Mr Pankaj Sharma, Skilled Operator KNHPI.



Dr Saakshy, RA participated in One day workshop on Technical Interface Institutes of KVIC organized at VNIT, Nagpur on 7th March 2020. The power point presentation was made on the following:

- *Presentation on list of fully developed successful technologies whose field trial has been completed with success story*
- *Presentation on list of technologies successfully completed whose multi location field trials needs to be conducted.*
- *New R&D project proposals including budget for multi-location field trials*





Dr Saakshy, RA showing activities of KNHPI to Hon'ble Shri Nitin Gadkari, Minister of MSME in VNIT, Nagpur on 7th March 2020.

6. MEETINGS ORGANIZED/ATTENDED

GC MEETING OF KNHPI

27th GC meeting held on 22nd November 2019 chaired by Shri Vinai Kumar Saxena, Hon'ble Chairman, KVIC.



PARTICIPATION IN R&D MEETING IN KVIC MUMBAI

Dr Saakshy & Dr Sunita Chauhan RA participated in the R&D meeting of S& T KVIC Mumbai on 19th November 2019. Presentations given by both on their respective project proposals before the committee.



7. MoU OF KNHPI

MoU with Manipal University

The MoU between Manipal University Jaipur and KNHPI has been signed on 27th September for conducting different types training programs jointly for the mutual benefits of both the organizations



MoU with Jaipur National University

An email received from Director JNU to sign an MoU between JNU and KNHPI to start the specialized course on pulp and paper technology. The MoU has been finalized and was given to advocate for vetting.

MoU with Shobhit University

The MoU letter sent to Shobhit University, Meerut and in this line the meeting was also held between Director KNHPI and Vice Chancellor, Shobhit University, Meerut.

Pulp and Paper Technology Course

The discussions are underway with various universities for induction of pulp and paper technology course. Letters sent to various universities.

8. VISITORS AT KNHPI

During 2019-20, the Institute was visited by reputed delegates. Some of the prominent are mentioned as below:

- Exposure visit- 30 faculty of various organizations under FDP organized by MNIT, Jaipur had exposure visit on 15th January 2020.
- Shri Vinai Kumar Saxena, Honorable Chairman, KVIC visited KNHPI on 23rd February 2020.



- Dr. Dutta, HOD, Department of Botany, University of Rajasthan (UOR), Jaipur visited KNHPI on 15.7.2019 in connection with the proposed MHRD project in collaboration with Dr. Sunita Chauhan, RA, KNHPI.
- A team of MSME officials from DIC, MSME, Jaipur visited KNHPI on 22.8.2019 to discuss about the proposed ESDP programme at KNHPI. Visited again on 6.9.19 to discuss about the training schedule of the proposed ESDP programme.
- Mr. Mahesh Bora from Assam visited KNHPI on 4.9.2019 in connection with the project on bio-retting of banana fiber further to the email correspondence with Dr. Sunita Chauhan, RA, KNHPI.

9. VISIT OF KNHPI STAFF TO OTHER PLACES

Visited chemical engineering department of Manipal University, Jaipur

The visit has been made to Department of Chemical Engineering, Manipal University Jaipur on 20th February 2020.

- Dr. Saakshy, RA participated in Bureau of Indian Standards Technical Committee meeting as an expert member on 9th November 2017.
- Mr. Baleshwer Prasad, Assistant Director-II, KVIC delivered lecture on “PMEGP schemes of KVIC” in MNIT on 13th January 2020.



- Dr Saakshy, RA KNHPI delivered lecture in MNIT Jaipur on 13th January 2020 on “Handmade Paper Industry-A Potential Entrepreneurship sector in Present Arena”



ONE DAY AWARENESS WORKSHOP

One day awareness workshop was organized by State Office, KVIC, Jaipur at Vivekanand Global University, Jaipur on 9th January 2020. Mr. Baleshwer Prasad, Moh Esa Khan and Dr Saakshy delivered lecture on PMEGP and technical aspects of handmade paper industry. The workshop was targeted for students who can become entrepreneurs in future.







Dr Saakshy, RA delivered awareness lecture on handmade paper making in Vivekanand Global University on 2nd September 2019



Dr Saakshy, RA KNHPI participated in technical committee meeting of Bureau of Indian Standards CHD 15 on 26th August 2019

Workshop on “Intellectual Property Rights (IPR) for Women Researchers

Dr. Sunita Chauhan, RA (Biotech) participated in a two days’ workshop on “Intellectual Property Rights (IPR) for Women Researchers” at Birla Institute of Scientific Research (BISR), Jaipur during the period from 29.11.2019 to 30.11.2019. The workshop was sponsored and organized by Patent Information Centre (PIC), Department of Science and Technology (DST), Rajasthan.



- **Symposium on “Women in Science” SWIS2020**

Dr. Sunita Chauhan, RA (Biotech) participated in the one day symposium on “Women in Science”-SWIS2020” organized by *Dr. B.Lal Institute of Biotechnology, Jaipur* on 25.2.2020. The symposium was organized in collaboration with Department of Science and Technology (DST), Rajasthan and Dr. B.Lal Clinical Laboratory, Jaipur.

- **National Seminar on “Smart Citizens for Sustainable Development”**

Dr. Sunita Chauhan, RA (Biotech) was invited as a Keynote Speaker for the one day national seminar on “Smart Citizen for Sustainable Development” organized by Indian Society for Training and Development, Kota Chapter and Kota Gyandwar Education Society on 7th April’2019. Dr. Chauhan delivered presentation on “*Handmade Papermaking as a Green Entrepreneurship for Smart Citizens towards Sustainable Development*” which was quite appreciated by the organizers, audience as well as the Mayor, Kota city. The abstract was also published in the souvenir.

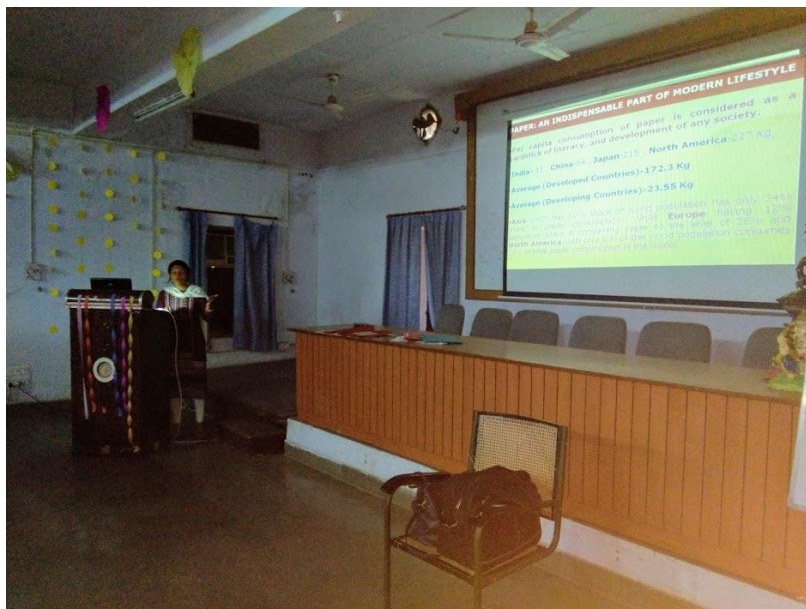


- **Special Seminar on “Challenges and Strategies of Invasive Species Management”**

Dr. Sunita Chauhan, RA (Biotech), KNHPI participated in the one day special seminar organized by FWTI, Jaipur on 21.12.2019. The Forest Minister, Govt. of Rajasthan was the chief guest and he was very happy to know about the various prospects of handmade papermaking.

Invited Lectures Delivered

Dr. Sunita Chauhan, Biotech Lab I/C was invited to the Dept. of Botany, University of Rajasthan, Jaipur for delivering special lecture on “*Handmade Papermaking as a Green and Clean Enterprise and Potential of Biotechnological Applications*” on 28.01.2020. The lecture was very excitedly attended by all the newly registered Research Scholars of the Botany department and some of them showed keen interest in pursuing their research in this area and also to participate in our workshops/training programmes at KNHPI. A total of fifty research scholars attended the session.



- **Participation in the S&T Meeting at Central Office, KVIC, Mumbai**

Dr. Sunita Chauhan visited the Central Office, KVIC, Mumbai on 20.1.2020 for participation in the S&T meeting as a PI of the R&D project on “Biofertilizer from the waste liquors of handmade papermaking from cow dung”.



PAPEREX 2019

14th International Technical Conference, Pulp Paper & Allied Products on Theme “Paper Industry in the coming decade” from 3-5 December 2019 at Pragati Maidan, New Delhi.





10. PUBLICATIONS

- Chauhan, S. (2019) “Techniques of Fungal Cultivation” In ‘Methods and Tools in Biosciences’ ed. Anita Gajraj and Reema Srivastava, Centre for Advanced Research and Development, Jaipur 2019: 95-103. ISBN: 978-93-5351-601-7
- Jha D., Kulshreshtha S., Chauhan S. (2020) Plant Microbial Ecology as a Potential Option for Stress Management in Plants. In: Varma A., Tripathi S., Prasad R. (eds) Plant Microbe Symbiosis. Springer, Cham, DOI https://doi.org/10.1007/978-3-030-36248-5_17 Online ISBN 978-3-030-36248-5, Print ISBN 978-3-030-36247-8

Abstracts Published

- Chauhan, S.; Prasad, B. and Garg, A.K. (2019) “ *Handmade Paper Industry: A Green and Sustainable Enterprise and Its Challenges*” Abstract in the Souvenir Published during National conference on “Biotechnology and Environment for Sustainable Development (BioESD2019) organized by Dr. B.Lal Institute of Biotechnology, Jaipur during the period from 29-30th Mar’2019:41. ISBN: 978-93-5351-601-7
- Chauhan, S.; Prasad, B. and Garg, A.K. (2019) “*Handmade papermaking as an option of green entrepreneurship for smart citizens of a sustainable society*” Abstract published in REKINDLE, Souvenir of Indian Society for Training and Development (ISTD), Kota chapter during the seminar on ‘Smart Citizens for Sustainable Development’ held on 7th April, 2019 at Kota: 35-37.

11. PRESENTATIONS/ INVITED LECTURES

Interaction made with manufacturers of handmade paper units and Lectures given on Geographical Indication by experts and officials of MSME, Udyog Bhawan Jaipur on 24th September and 28th September 2019 in presence of Mr Baleshwer Prasad, Assistant Director KNHPI and Dr Saakshy, RA, KNHPI.



12. REPRESENTATION IN EXTERNAL COMMITTEES

Bureau of Indian Standards, New Delhi

Dr Saakshy, RA KNHPI- Member of CHD 15 (Paper and its Products Sectional Committee),

Dr.Saakshy, RAKNHPI -Alert member of alert panel CHD 15

13. PATENT FILED

Kumarappa National Handmade Paper Institute has filed application for patent on
“Utilization of polythene waste” on 28th May 2019.

14.FAREWELL OF MR ASHWINI KUMAR SHARMA, EX-DY DIRECTOR KNHPI ON 31ST JULY 2019



B. Expenditure during 2019-20 under Plan Fund

| Sl. No. | Particulars | Amount |
|----------------|---|----------------|
| 1 | Advance | |
| 2 | Conveyance Charges | 54926.00 |
| 3 | Petrol & Maintenance of Office Vehicle | 85870.00 |
| 4 | Misc. Expenditure | 104813.00 |
| 5 | Postage & Telegraph | 11622.00 |
| 6 | Water & Electricity | 401673.00 |
| 7 | Meeting & Workshops | 223222.00 |
| 8 | Printing & Stationary | 21432.00 |
| 9 | Insurance | 22084.00 |
| 10 | Legal/Audit fee | 141827.00 |
| 11 | Telephone Exp. | 33779.00 |
| 12 | Newspaper & Periodicals | 2980.00 |
| 13 | Hath Kagaz | nil |
| 14 | Bldg./G H Maintenance | 643091.00 |
| 15 | Liveries | 50647.00 |
| 16 | Internet/Website Expenses | 2000.00 |
| 17 | Training | 394816.00 |
| 18 | Vat | 2000.00. |
| 19 | Wages(Daily Wages/Security) | 1334984.00 |
| 20 | Fire Fighting Equipments | 88004.00 |
| 21 | General Purpose (Repair/Replacement of old Equipments | 693246.00 |
| 22 | Pilot Plant Operating Cost/Maintenance (CMV, Sheet Former & other Plant Equipments | 169677.00 |
| 23. | Participation in Exhibitions/Paperex | 142056.00 |
| Total | | 4624749 |

E. STAFF OF KNHPI AS ON 31ST MARCH 2019

| S.N | NAME | DESIGNATION | QUALIFICATION | EXPERIENCE | Year of appointment |
|------------|--------------------------|--------------------------------------|---|--|----------------------------|
| 1 | Mr. A K Garg | Dy. Director I/c, State Office, KVIC | - | Additional Charge as Dy. Director KNHPI 02-07-2018 to 31-07-2020 | 2018 |
| 2 | Dr. Atul Kumar | Senior Research Assistant | M.Sc. (Chemistry), M.Tech. (Pulp & Paper), Ph.D. (Chemistry) | 21 | 1999 |
| 3 | Moh. Esa Khan | Senior Research Assistant | M.Sc. (Chemistry), M.Tech. (Pulp & Paper) | 21 | 1999 |
| 4 | Dr. Saakshy | Research Assistant | M.Sc. (Ecology & Environment), M.Sc. (Pulp & Paper), M.Tech. (Chemical Engineering), Ph.D. (Chemical Engineering) | 20 | 2000 |
| 5 | Dr.(Mrs) Sunita Chauhan, | Research Assistant | M.Sc. (Microbiology), Ph.D. (Microbiology) | 20 | 2000 |
| 6 | Mr. Anuj Kumar | Steno | M.Com | 23 | 1997 |

| | | | | | |
|----|--------------------------|----------------------|---|----|------|
| | Singh | | | | |
| 7 | Dr. Harshwardhan Sharma | LDC | PhD | 23 | 1997 |
| 8 | Mr. Nizamuddin Rangrej | Driver | 8 TH Pass | 23 | 1997 |
| 9 | Mr. Kamal Raj Sharma | Laboratory Assistant | Manager Course in Handmade Paper making from Handmade Paper Institute, Pune | 18 | 2002 |
| 10 | Mr. BhairavDutt Sharma | Skilled Operator | 12 th pass | 20 | 2000 |
| 11 | Mr. Pankaj Sharma | Skilled Operator | MA | 10 | 2010 |
| 12 | Mr. Ram Prasad Sharma | MTS | 12 th pass | 23 | 1997 |
| 13 | Mr. Mohan Singh Adhikari | MTS | MA | 20 | 2000 |

STATUS OF STAFF STRENGTH AS ON 31.03.2019

| POST & PAY SCALE (As per 6 th pay commission) | SANCTI ONED | STATUS | | |
|--|----------------|-----------|----------|--------------------------------|
| | | | | |
| | | FILLED UP | VACANT | Remarks |
| Director 37,400-67,000 GP-10,000 | 1 | - | 1 | |
| Scientist – F 37,400-67,000 GP-10,000 | 1 | - | 1 | |
| Dy. Director/ Scientist-B 9300-34800 GP-5400 | 2 | 1 | 1 | Retired on 30.07.19 |
| Pilot Plant Incharge 9300-34800 GP-4800 | 1 | - | 1 | |
| Sr. Res. Assistant 9300-34800 GP-4200 | 4 | 2 | 2 | |
| Research Asstt. 9300-34800 GP-4200 | 3 | 2 | 1 | |
| Accountant 9300-34800 GP-4200 | 1 | - | 1 | |
| Superintendent 9300-34800 GP-4200 | 1 | - | 1 | |
| Stenographer 5200-20,200 GP-2400 | 1 | 1 | - | |
| Store Keeper 5200-20,200 GP-2400 | 1 | - | 1 | |
| L. D. C. 5200-20,200 GP-1900 | 1 | 1 | - | |
| Account Asstt. 5200-20,200 GP-1900 | 1 | - | 1 | |

| | | | | |
|---|-----------|-----------|-----------|--|
| Driver 5200-20,200 GP-1900 | 1 | 1 | - | |
| Laboratory Asstt. 5200-20,200 GP-1900 | 1 | 1 | - | |
| Skilled Operator 5200-20,200 GP-1800 | 3 | 2 | 1 | |
| MTS 5200-20,200 GP-1800 | 2 | 2 | - | |
| TOTAL | 25 | 13 | 12 | |

NOTE

OFFICE CLOSED FROM 21ST MARCH 2020 TO 31ST MARCH 2020 DUE TO PANDEMIC COVID-19



Independent Auditor's Report

TO THE MEMBERS OF KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE (KNHPI)

Qualified Opinion

In our opinion and to the best of our information and according to the explanations given to us except for the incomplete disclosure of the information referred to in the Basis for Qualified Opinion paragraph, the financial statements give the information in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India.

- a) In the case of Balance Sheet, of the state of affairs of the Society (KNHPI) as at 31st March, 2020;
- b) In the case of Income and Expenditure Account, of the deficit for the year ended on that date.

Basis for Qualified Opinion

We conducted our audit in accordance with the Standards on Auditing (SAs) issued by ICAI. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the entity in accordance with the ethical requirements that are relevant to our audit of the financial statements, and we have fulfilled our other responsibilities in accordance with these requirements. Reasons for qualifying our opinion are as under

- a) In the Financial year 17-18 the institute had opened a sweep account in State Bank of India, the closing balance as on 31st March'20 of such account in bank cannot be reconciled with the books of accounts.

Emphasis of Matter Paragraph

We draw attention to:

- a) Debtors mentioned in Schedule 6 to the financial statements, annexed to the report are older for more than 3 years. Comment on debtors was also given by C&AG Report in the audit conducted by them in January, 2016 for the period 2012-2015. Necessary actions ought to be taken by the management of KNHPI. (Annexure I enclosed)
- b) Creditors mentioned in schedule 3 to the financial statements, annexed to the report are older for more than 3 years. Comment on creditors was also given by C&AG report in the audit conducted by them in January, 2016 for the period 2012-2015. Necessary actions ought to be taken by the management of KNHPI. (Annexure II enclosed)

Responsibilities of Management and Those Charged with Governance for the Standalone Financial Statements

Management is responsible for the preparation of the financial statements in accordance with applicable Law and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the entity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the entity or to cease operations, or has no realistic alternative but to do so. Those charged with governance are responsible for overseeing the entity's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance



is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

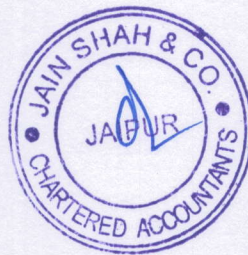
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control.

Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

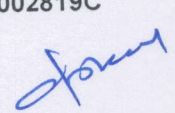
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the entity to cease to continue as a going concern.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Place:-JAIPUR
Date: 22/02/2021



For JAIN SHAH AND COMPANY
Chartered Accountants
FRN: 002819C


OM PRAKASH KABRA
(PARTNER)
Membership No. 079223

ANNEXURE TO THE AUDITOR'S REPORT

This is in the Annexure referred to in our report to the members of **Kumarappa National Handmade Paper Institute** ("the Society of KNHPI") for the year ended 31st March 2020.

We report that:

- i. The officials of Society has physically verified the fixed assets and found correct in quantity as well as in condition, but during our physical verification, we found that code numbers were not mentioned on the assets and some of the assets were not available for verification as they were sent for repair, some assets were also not in working condition.
- ii. In our opinion, the society has adequate internal control system commensurate with the size and nature of its business.
- iii. The society has Fixed Assets, therefore depreciation has been charged as per Income Tax Rates.
- iv. Inventory is valued at cost.
- v. Books of accounts are maintained on cash system of accounting.
- vi. During the course of our examination of the books and records of the society (KNHPI), carried out in accordance with the generally accepted auditing practices in India, and according to the informations and explanations given to us, we have neither come across any instance of material fraud on or by the society, noticed or reported during the year, nor we have been informed of any such case by the Governing body.
- vii. There are also some litigations pending against the society (KNHPI) but amount for the liability is not ascertainable so far, hence provision of contingent liability has not been provided so far.
- viii. Debtors are subject to confirmation.
- ix. Gst output liability did not match with the books of accounts due to inappropriate book keeping of the institute.
- x. During the course of our audit, we found a lot of clerical errors committed by the institute in the books of accounts.
- xi. No any activity / movement / Expenses incurred by Institute for the followings Project for long time
 1. Market Research Project.
 2. RISC Project Own Contribution.
 3. S&T KVIC R&D Project FLY ASH
 4. DST Project SSD/TISN/027/2011(G)
 5. Swacch Bharat Abhiyan



ANNEXURE-1

During the scrutiny of records made available to us for our verification and information provided to us, out of debtors of Rs.2444546.90/- it was observed that an amount of Rs. 1,20,560/- is pending as on 31st March 2020 for more than three years towards sundry debtors are shown below:

| S.No | Sundry Debtors | Pending From | Amount (in Rs.) |
|------|--|--------------|-----------------|
| 1 | Festival Advance | 1997-98 | 900 |
| 2. | CPPRI | 2007-08 | 10271 |
| 3 | RISC,KVIC | 2007-08 | 83200 |
| 4 | S.O KVIC,JAIPUR | 2008-09 | 2329 |
| 5 | ENVIRONMENTAL PLANNING & COORDINATION ORGANIZATION (EPCO),BHOPAL | 2010-11 | 21630 |
| 6 | QSYS E-SOLUTIONS | 2011-12 | 2230 |



ANNEXURE-2

During the scrutiny of records made available to us for our verification and information provided to us, out of creditors of Rs. 3,12,759/- it was observed that an amount of Rs. 1,01,647/- is pending as on 31st March 2018 for more than three years towards sundry creditors are shown below:

| S.No | Sundry Creditors | Pending From | Amount (in Rs.) |
|------|--|--------------|-----------------|
| 1. | SYNERGY ASSOCIATES | 2007-08 | 34840 |
| 2. | GURPAL ENGG WORKS | 2007-08 | 30791 |
| 3. | AP FOREST DEPTT- TRAINING ADVANCE | 2008-09 | 7925 |
| 4. | QUALITY ENGINEERING | 2009-10 | 10091 |
| 5. | SECURITY BALAJI SUN SHINE SECURITY SERVICES | 2010-11 | 16000 |
| 6. | EISHITA ENTERPRISES | 2011-12 | 2000 |



KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE

SCHEDULE-12

Accounting policies and Notes on Accounts forming & Integral part of Accounts for the year ended 31st March 20

A. Accounting Policies

1. System of Accounting:-

- a) Accounts have been prepared on historical cost convention and going concern assumption.
- b) The Institute recognized Income and expenditure on cash basis.
- c) Life Membership Fees has been capitalised while annual membership fees has been taken as income.

2. Fixed assets:

- a) Fixed assets are stated at cost of acquisition or construction inclusive of freight, duties and incidental expenses.
- b) Fixed assets created out of UNDP grant have also been taken in books of accounts.

3. Depreciation

- a) Depreciation has been provided as per rate prescribed by the Income Tax Act 1961
- b) Depreciation is not charged to Income and Expenditure account but it is transferred to Capital reserve.

4. Income Tax:

- a) The income of the Institute is exempt from Income tax.

5. Government Grants:

Government grants received to the extent utilized for capital expenditure being added to Capital Reserve.



Notes on Accounts

1. The entire grants are received from Khadi and Village Industries Commission for the operational and capitalised expenses of the KNHPI
2. The Land and Building (Shown in Schedule-5) are not being held in the name of the Institute and title documents are in the name of KVIC
3. Management of the Institute has physically verified the Fixed asset and no discrepancy has been noticed.
4. The value of Stock of Paper & Raw Material shown in Schedule -7 has been incorporated as certified by the management of the Institute, since the Institute is not having policy of valuation of the same.
5. Government grant received to the extend utilised for capital expenditure being added to the capital reserve and the unutilised/surplus grant being carried forward. This is not as per the Para No.-14 of the Accounting Standard (As-12) relating to Accounting for Government Grants. The institute advised to consider the guidelines on the subject in consultation with the concerned organization/institutions for implementation. This Institute in reply has confirmed the other similar organization/institution are also followed the same pattern.
6. Allocation of Expenditure/Income to different projects as well as in different heads of the expenses/income has been made by the management of KNHPI.
7. The third party balances are subject to confirmations.
8. Non plan Unspent Grant subject to confirmation with KVIC.
9. Previous year figures have been regrouped/reclassified wherever necessary.

FOR KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE
IN TERMS OF OUR REPORT OF EVEN DATE

DIRECTOR

PLACE:- JAIPUR
DATE:-22/02/2021



FOR JAIN SHAH AND COMPANY
CHARTERED ACCOUNTANTS
FRN :-002819C

OM PRAKASH KABRA
(PARTNER)
MEMBERSHIP NO. 079223

KUMARAPPA
NATIONAL HANDMADE PAPER INSTITUTE
(KVIC-Ministry of Micro, Small and Medium Enterprises Govt. of India)
RAMSINGHPURA SIKARPURA ROAD, SANGANER JAIPUR-302029(INDIA)

BALANCE SHEET AS AT 31st MARCH, 2020

| PARTICULARS | SCHEDULE | As at 31st March 2020 Rs. | As at 31st March 2019 Rs. |
|--------------------------------|----------|------------------------------|------------------------------|
| LIABILITIES | | | |
| CAPITAL RESERVE | 1 | 27,56,314.96 | 31,24,701.28 |
| GRANT UNSPENT PLAN FUND | 2 | 2,01,94,862.31 | 1,33,10,559.62 |
| GRANT UNSPENT MISC PROJECTS | 3 | 81,62,828.00 | 1,03,96,345.00 |
| CURRENT LIABILITIES | 4 | 3,95,943.00 | 2,01,067.00 |
| MEMBERSHIP FEE | | 74,000.00 | 74,000.00 |
| TOTAL | | 3,15,83,948.27 | 2,71,06,672.90 |
| ASSETS | | | |
| FIXED ASSETS | 5 | 29,36,768.96 | 31,24,701.28 |
| GRANT NON PLAN FUND RECEIVABLE | 6 | 1,56,17,789.00 | 1,09,09,531.00 |
| CURRENT ASSETS | 7 | 1,30,29,390.31 | 1,30,72,440.62 |
| TOTAL | | 3,15,83,948.27 | 2,71,06,672.90 |

NOTES ON ACCOUNTS & SIGNIFICANT ACCOUNTING POLICIES
IN TERMS OF OUR REPORT OF EVEN DATE

12

FOR KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE

[Signature]
DIRECTOR
PLACE:- JAIPUR
DATE:- 22/02/2021

FOR JAIN SHAH AND COMPANY
CHARTERED ACCOUNTANTS
FRN:- 002819C



[Signature]
OM PRAKASH KABRA
(PARTNER)
MEMBERSHIP NO. :- 079223

KUMARAPPA
NATIONAL HANDMADE PAPER INSTITUTE
(KVIC-Ministry of Micro, Small and Medium Enterprises Govt. of India)
RAMSINGHPURA SIKARPURA ROAD, SANGANER JAIPUR-302029(INDIA)

INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2020

| PARTICULARS | SCHEDULE | As at 31st March 2020 Rs. | As at 31st March 2019 Rs. |
|--|----------|------------------------------|------------------------------|
| INCOME | | | |
| INCOME FROM OPERATIONS | 8 | 76,20,544.50 | 73,99,239.00 |
| INCREASE/(DECREASE) IN INVENTORY | | 13,35,827.15 | 8,69,743.00 |
| TOTAL (A) | | 89,56,371.65 | 82,68,982.00 |
| EXPENDITURE | | | |
| OPERATING EXPENSES | 9 | 67,76,181.00 | 57,17,894.00 |
| ADMINISTRATIVE EXPENSES (PLAN) | 10 | 24,31,929.96 | 20,70,192.95 |
| REPAIR AND MAINTENANCE | 11 | 13,63,958.00 | 15,26,011.50 |
| TOTAL(B) | | 1,05,72,068.96 | 93,14,098.45 |
| EXCESS OF EXPENDITURE OVER INCOME TRANSFERRED TO GRANT FOR PLAN FUND (A-B) | | -16,15,697.31 | -10,45,116.45 |

12

NOTES ON ACCOUNTS & SIGNIFICANT ACCOUNTING POLICIES
IN TERMS OF OUR REPORT OF EVEN DATE

FOR KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE

FOR JAIN SHAH AND COMPANY
CHARTERED ACCOUNTANTS
FRN:- 002819C



[Signature]
DIRECTOR

PLACE:- JAIPUR
DATE:- 22/02/2021

[Signature]
OM PRAKASH KABRA
(PARTNER)
MEMBERSHIP NO. :- 079223

KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE
RAMSINGHPURA SIKARPURA ROAD, SANGANER JAIPUR-302029(INDIA)
FIXED ASSETS CHART AS ON 31st MARCH 2020

SCHEDULE-5

| FIXED ASSETS | OPENING WDV AS ON 01.04.2019 | ADDITIONS | DEDUCTIONS | TOTAL | DEPRECIATION | CLOSING WDV AS ON 31.03.2020 |
|----------------------------------|---------------------------------|--------------------|-------------|---------------------|--------------------|---------------------------------|
| FURNITURE & FIXTURE | 1,57,649.32 | | | 1,57,649.32 | 15,764.93 | 1,41,884.38 |
| VEHICLE | 45,955.99 | | | 45,955.99 | 6,893.40 | 39,062.59 |
| OFFICE BUILDING | 11,70,431.33 | | | 11,70,431.33 | 1,17,043.13 | 10,53,388.20 |
| OFFICE EQUIPMENTS | 2,29,858.05 | | | 2,29,858.05 | 34,478.71 | 1,95,379.34 |
| COMPUTERS | 11,496.11 | | | 11,496.11 | 4,598.44 | 6,897.67 |
| FIRE FIGHTING EQUIPMENT | 28,877.23 | | | 28,877.23 | 4,331.58 | 24,545.64 |
| FIRE FIGHTING REFILL | 0.00 | 88,004.00 | | 88,004.00 | | 88,004.00 |
| LAB EQUIPMENT | 3,33,916.35 | | | 3,33,916.35 | 50,087.44 | 2,83,828.91 |
| MACHINE EQUIPMENT | 91,007.32 | | | 91,007.32 | 13,651.10 | 77,356.22 |
| TOOLS AND EQUIPMENT | 217.90 | | | 217.90 | 32.68 | 185.21 |
| TRAINING EQUIPMENT | 13,796.43 | | | 13,796.43 | 2,069.45 | 11,726.98 |
| BUILDING GUEST HOUSE/HOSTEL | 3,52,092.92 | | | 3,52,092.92 | 35,209.29 | 3,16,883.63 |
| LAND G.H HOSTEL/HOSTEL | 2,81,978.00 | | | 2,81,978.00 | 0.00 | 2,81,978.00 |
| PATENT | 0 | 92,450.00 | | 92,450.00 | 23,112.50 | 69,337.50 |
| TOTAL | 27,17,276.96 | 1,80,454.00 | 0.00 | 28,97,730.96 | 3,07,272.67 | 25,90,458.29 |
| UNDP ASSETS | 32,659.23 | | | 32,659.23 | 4,898.88 | 27,760.34 |
| RISC MACHINE & EQUIPMENT | 47,797.35 | | | 47,797.35 | 7,169.60 | 40,627.75 |
| R&D PROJECT S&T KVIC OLD 2008-09 | 29,327.57 | | | 29,327.57 | 4,399.14 | 24,928.44 |
| MACHINE & EQUIPMENT | 68,958.11 | | | 68,958.11 | 10,343.72 | 58,614.39 |
| R&D PROJECT S&T KVIC FLY ASH | 2,28,682.06 | | | 2,28,682.06 | 34,302.31 | 1,94,379.75 |
| R&D PROJECT S&T KVIC NEW 2009-10 | | | | | | |
| TOTAL | 31,24,701.28 | 1,80,454.00 | 0.00 | 33,05,155.28 | 3,68,386.32 | 29,36,768.96 |

DATE OF ADDITION

PATENT

FIRE FIGHTING REFILL

19/08/2019
31/03/2020



KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE
RAMSINGHPURA SIKARPURA ROAD, SANGANER JAIPUR-302029(INDIA)

SCHEDULE-1

| CAPITAL RESERVE | Amount as on 31st March, 2020 | Amount as on 31st March, 2019 |
|--------------------------------------|--|--|
| Opening balance | 31,24,701.28 | 35,58,164.38 |
| ADD:- Fund received for fixed assets | 0.00 | 0.00 |
| Less:- Deletion of Fixed Asset | 0.00 | 35,986.00 |
| less:- Depreciation received | 3,68,386.32 | 3,97,477.10 |
| TOTAL | 27,56,314.96 | 31,24,701.28 |

SCHEDULE-2

| GRANTS FOR PLAN FUND EXP | Amount as on 31st March, 2020 | Amount as on 31st March, 2019 |
|---|--|--|
| Opening balances for plan expenditure | 1,33,10,559.62 | 78,55,676.07 |
| Grant Received Plan KVIC Mumbai | 85,00,000.00 | 65,00,000.00 |
| Grant for Tech Dissemination Workshop | | |
| TOTAL (C) | 2,18,10,559.62 | 1,43,55,676.07 |
| Less:- | | |
| Excess of Expenditure Over Income | 16,15,697.31 | 10,45,116.45 |
| TOTAL(D) | 16,15,697.31 | 10,45,116.45 |
| Closing Balance Grant Unspent Plan Fund(C-D) | 2,01,94,862.31 | 1,33,10,559.62 |

SCHEDULE-3

| OTHER GRANTS FOR MISC PROJECTS | Amount as on 31st March, 2020 | Amount as on 31st March, 2019 |
|---|--|--|
| RISC Project Own Contribution | 1,21,771.00 | 1,21,771.00 |
| Market Research Project | 60,902.00 | 60,902.00 |
| S&T KVIC R&D Project FLY ASH | 9,37,627.00 | 9,37,627.00 |
| DST Project SSD/TISN/027/2011(G) | 25,52,722.00 | 25,52,722.00 |
| Eco friendly HMP Board from bamboo | 12,18,663.00 | 18,30,307.00 |
| S&T PROJ FOR EVALUATION OF PIGMENTED MICROBES hmp | 7,00,000.00 | 0.00 |
| S&T proj of dev. Of anti bacterial natural dye cow dung | 7,00,000.00 | |
| Development & Formulation of paint | -65,434.00 | 13,30,545.00 |
| Decolourisation of mixed colour | 9,45,606.00 | 13,50,000.00 |
| Uniform external sizing coating oh HMP | 6,80,816.00 | 9,13,000.00 |
| S&T Grant (development of wet tissues) | 2,60,155.00 | 12,49,471.00 |
| SWACCH BHARAT ABHIYAN | 50,000.00 | 50,000.00 |
| Closing Balance Grant Unspent Plan Fund(C-D) | 81,62,828.00 | 1,03,96,345.00 |

Bluey

mb



KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE
RAMSINGHPURA SIKARPURA ROAD, SANGANER JAIPUR-302029(INDIA)

SCHEDULE-4

| CURRENT LIABILITIES | Amount as on 31st March, 2020 | Amount as on 31st March, 2019 |
|--|----------------------------------|----------------------------------|
| SUNDRY CREDITORS:- | | |
| AP FOREST DEPTT- TRAINING ADVANCE | 7,925.00 | 7,925.00 |
| NATIONAL RESEARCH LAB OF CULTURE LUCKNOW | 505.00 | 505.00 |
| CENTRE FOR HERITAGE STUDIES COCHIN | 760.00 | 760.00 |
| SECURITY BALAJI SUNSHINE SECURITY SERVICES | 16,000.00 | 16,000.00 |
| SAI SECURITY PTG PVT LTD | 229.00 | 229.00 |
| STAR PAPER MILLS | 153.00 | 153.00 |
| SAHARANPUR TESTING INSTRUMENTS LTD | 76.00 | 76.00 |
| UMANG BOARD PVT LTD | 500.00 | 500.00 |
| DIWAKAR'S LABOUR CONTRACTOR | 10,000.00 | 10,000.00 |
| TOTAL (E) | 36,148.00 | 36,148.00 |
| OTHER CURRENT LIABILITIES | | |
| SYNERGY ASSOCIATES | 34,840.00 | 34,840.00 |
| J&K Training Programme | 1,212.00 | 0.00 |
| GURPAL ENGG WORKS | 30,791.00 | 30,791.00 |
| METRO TRADING CORP | 11,905.00 | 11,905.00 |
| CST/GST PAYABLE | 0.00 | 0.00 |
| M/S VOLTAS LIMITED | 17,516.00 | 17,516.00 |
| EARNEST MONEY | 1,07,355.00 | 0.00 |
| EISHITA ENTERPRISES | 2,000.00 | 2,000.00 |
| QUALITY ENGINEERING | 10,091.00 | 10,091.00 |
| ICAR PROJECT | 36,000.00 | 36,000.00 |
| VARDHMAN ELECTRONICS | 2,000.00 | 2,000.00 |
| TDS on GST | 83,184.00 | 0.00 |
| COMPUTER MART MANSAROVER | 0.00 | 7,875.00 |
| SO KVIC JAIPUR(NEW) | 11,901.00 | 11,901.00 |
| SHEET KAMAL INDUSTRIES | 11,000.00 | 0.00 |
| TOTAL(F) | 3,59,795.00 | 1,64,919.00 |
| TOTAL (E+F) | 3,95,943.00 | 2,01,067.00 |

Bluey S

ml



KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE
RAMSINGHPURA SIKARPURA ROAD, SANGANER JAIPUR-302029(INDIA)

SCHEDULE-6

| | AMOUNT AS ON 31.03.2020 | AMOUNT AS ON 31.03.2019 |
|--|----------------------------|----------------------------|
| UNSPENT NON PLAN GRANT | | |
| Opening balance Non Plan Fund Expenses | -1,09,09,531.00 | -87,94,163.00 |
| Received during the year | 65,32,056.00 | 57,95,350.00 |
| TOTAL (G) | -43,77,475.00 | -29,98,813.00 |
| LESS:- Non Plan Expenditure | | |
| Salary | 1,01,99,270.00 | 68,42,058.00 |
| Employer CPF Contribution | 3,07,592.00 | 2,26,760.00 |
| Salary Mr. ASHWINI KUMAR | 0.00 | 6,63,825.00 |
| T.A Expenses Officers | 2,99,429.00 | 1,17,960.00 |
| T.A Expenses Staff | 4,34,023.00 | 60,115.00 |
| Total (H) | 1,12,40,314.00 | 79,10,718.00 |
| Closing Balance Grant Non Plan to be Receivable | -1,56,17,789.00 | -1,09,09,531.00 |

SCHEDULE-7

| | AMOUNT AS ON 31.03.2020 | AMOUNT AS ON 31.03.2019 |
|---|----------------------------|----------------------------|
| CURRENT ASSETS AND LOAN AND ADVANCES | | |
| STOCKS | | |
| Raw Materials | 82,828.00 | 77,653.85 |
| Unfinished Goods | 22,000.00 | 1,15,000.00 |
| Finished Goods | 22,70,743.00 | 8,47,090.00 |
| TOTAL (I) | 23,75,571.00 | 10,39,743.85 |
| SUNDRY DEBTORS | | |
| S.O KVIC JAIPUR(OLD) | 2,329.00 | 2,329.00 |
| RISC SO KVIC JAIPUR | 83,200.00 | 83,200.00 |
| CPPRI SAHARANPUR | 17,468.00 | 51,668.00 |
| EPCO BHOPAL | 21,630.00 | 21,630.00 |
| FESTIVAL ADVANCE | 900.00 | 900.00 |
| Hi Tech Natural Products India Ltd. Saharanpur | 4,040.00 | 0.00 |
| ADVANCE TO KUMAWAT AIR CONDITIONERS & FIRE FIGHTING | 25,000.00 | 25,000.00 |
| QSYS E-SOLUTIONS | 2,230.00 | 2,230.00 |
| KHADI GRAMODYOG BHAWAN NEW DELHI | 14,237.00 | 349.00 |
| MUSHTAF SALIM OMAN | 29,000.00 | 29,000.00 |
| Khadi Emporium MI Road Jaipur | 1,920.00 | 0.00 |
| M/s Alok B. farm Allahbad | -8,430.00 | 0.00 |
| Lal Bahadur Shastri Shiksha Samiti Hanumangarh | 51,898.00 | 0.00 |
| Annai Women movement Tamil Nadu | 4,956.00 | 0.00 |
| SH CHANDER PRAKASH | 51,500.00 | 51,500.00 |
| KVIC Mumbai | -657.00 | 89,678.00 |
| KVIC Cochin | 5,997.00 | 5,997.00 |
| KVIC VARANASI | 26,417.00 | 0.00 |
| Interior Solution Delhi | 0.00 | 0.00 |
| KVIC BHOPAL | 1,34,439.00 | 0.00 |
| KVIC Goa | 15,591.00 | 21,020.00 |
| KVIC NEW DELHI | 19,60,881.90 | 3,94,341.90 |
| Total (I) | 24,44,546.90 | 7,78,842.90 |
| LOANS & ADVANCES AND DEPOSITS | | |
| TDS recievable | 684.00 | 0.00 |
| Electricity security | 42,259.00 | 42,259.00 |
| LPG Security | 2,700.00 | 2,700.00 |
| Telephone security | 26,586.00 | 26,586.00 |
| Advance | 0.00 | 1,72,087.00 |
| TDS on GST recievable | 53,921.00 | 0.00 |
| Gst recievable | 11,68,765.00 | 4,01,779.00 |
| TDS REFUNDABLE(A.Y. 19-20) | 1,17,077.00 | 42,156.00 |
| Total (J) | 14,21,992.00 | 6,87,567.00 |
| CASH AND BANK BALANCES | | |
| S.B.I SANAGNER A/C | 67,48,298.41 | 1,05,53,454.87 |
| CASH IN HAND | 38,982.00 | 12,832.00 |
| Total (K) | 67,87,280.41 | 1,05,66,286.87 |
| Total (I+J+K) | 1,30,29,390.31 | 1,30,72,440.62 |



Signature

mk

KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE
RAMSINGHPURA SIKARPURA ROAD, SANGANER JAIPUR-302029(INDIA)

Schedule 10

| ADMINISTRATIVE EXPENSES PLAN | AMOUNT AS ON 31.03.2020 | AMOUNT AS ON 31.03.2019 |
|------------------------------|-------------------------|-------------------------|
| Staff Welfare (LEVERIES) | 50,647.50 | 0.00 |
| Printing and Stataionary | 21,432.00 | 41,041.00 |
| Telephone Expenses | 33,779.00 | 26,295.00 |
| Water and Electricity | 4,01,673.00 | 3,14,584.00 |
| News paper and Periodicals | 2,980.00 | 3,490.00 |
| Postage | 11,622.00 | 8,924.00 |
| Insurance Expenses | 22,084.00 | 22,380.00 |
| Internet Expenses | 2,000.00 | 9,500.00 |
| Legal and Audit Fee | 1,41,827.00 | 29,152.00 |
| Bank Commission | 0.00 | 1,271.45 |
| Paperex | 1,36,746.00 | 0.00 |
| Advertisement(Publicity) | 19,590.00 | 0.00 |
| Misc. Expenses | 1,04,459.46 | 70,699.50 |
| Conveyance Charges | 54,926.00 | 46,549.00 |
| Petrol Expenses | 85,870.00 | 90,298.00 |
| Workshop Expenses | 5,310.00 | 0.00 |
| Lab testing fee | 0.00 | 1,16,783.00 |
| vat write off | 2,000.00 | 938.00 |
| VIP visit | 0.00 | 1,59,676.00 |
| TDS Write off | 0.00 | 12,759.00 |
| Wages | 13,34,984.00 | 11,15,853.00 |
| Total | 24,31,929.96 | 20,70,192.95 |

Schedule 11

| REPAIR AND MAINTAINENCE EXPENSES | AMOUNT AS ON 31.03.2020 | AMOUNT AS ON 31.03.2019 |
|----------------------------------|-------------------------|-------------------------|
| Office Equipment Maintainence | 6,93,246.00 | 3,38,983.00 |
| Machine Repair and Replacement | 1,69,677.00 | 4,07,992.00 |
| Gardening and Plantation | 0.00 | 875.00 |
| Building Maintainence | 5,01,035.00 | 7,78,161.50 |
| Total | 13,63,958.00 | 15,26,011.50 |

[Handwritten signature]
m/b



KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE
RAMSINGHPURA SIKARPURA ROAD, SANGANER JAIPUR-302029(INDIA)

Schedule 8

| | AMOUNT AS ON 31.03.2020 | AMOUNT AS ON 31.03.2019 |
|------------------------------------|----------------------------|----------------------------|
| INCOME FROM OPERATIONS | | |
| Technical and Consultancy Services | 2,50,670.00 | 41,200.00 |
| Training Programme | 6,50,970.00 | 11,90,002.00 |
| Misc. Income | 2,92,631.00 | 12,330.00 |
| Annual membership fees | 1,500.00 | 0.00 |
| Lab testing fee | 17,090.00 | 0.00 |
| Gst Input Income | 14,99,249.50 | 10,33,536.00 |
| Interest on Sweep | 0.00 | 3,07,627.00 |
| Sale of Products | 47,15,834.00 | 47,61,207.00 |
| Asset write off | 0.00 | 35,986.00 |
| IRG from Vedic Paint | 1,92,600.00 | 0.00 |
| Packing and Forwarding income | 0.00 | 17,351.00 |
| Total | 76,20,544.50 | 73,99,239.00 |

Schedule 9

| | AMOUNT AS ON 31.03.2020 | AMOUNT AS ON 31.03.2019 |
|---------------------------------|----------------------------|----------------------------|
| Operating Expenses | | |
| Packing and Forwarding Expenses | 47,777.00 | 0.00 |
| Training Programme Expenses | 3,94,816.00 | 8,39,240.00 |
| Hathkagaz Magazine Expenses | 0.00 | 0.00 |
| Meeting and Workshop Expenses | 2,23,222.00 | 1,01,727.00 |
| Diesel and Firewood | 7,100.00 | 6,270.00 |
| Purchase of Products | 61,03,266.00 | 47,60,307.00 |
| Exhibition Expenses | 0.00 | 10,350.00 |
| Total | 67,76,181.00 | 57,17,894.00 |

CALCULATION OF TOTAL IRG FOR THE YEAR 2019-20

| | | |
|-------|--|-------------------|
| A. | IRG FROM SALE OF DOMESTIC MARKET SALE OF DOMESTIC MARKET PRODUCTS | 4715834.00 |
| ADD: | CHANGE IN INVENTORY (INCREASE) | 1335827.15 |
| | TOTAL | 6051661.15 |
| LESS: | TAXABLE PURCHASE | 4821914.00 |
| | NET IRG FROM DOMESTIC AMRKET(A) | 1229747.15 |
| | | |
| B. | IRG FROM VEDIC PAINT(B) | 192600.00 |
| | | |
| C. | IRG FROM MISC. INCOME (C) | 292631.00 |
| | | |
| D. | IRG FROM TRAINING RECEIPTS WITHOUT EXP | 650970.00 |
| | NET IRG FROM TRAINING(D) | 650970.00 |
| | | |
| E. | IRG FROM TECHNICAL & CONSULTANCY (E) | 250670.00 |
| | | |
| F. | IRG FROM ANNUAL MEMBERSHIP FEE(F) | 1500.00 |
| | | |
| G. | IRG FROM LAB TESTING FEE (G) | 17090.00 |
| | | |
| | TOTAL IRG FOR THE YEAR(A+B+C+D+E+F+G+H) | 2635208.15 |



Handwritten signatures:
mlh

NET IRG FOR THE YEAR 2019-20

| S.NO. | PARTICULARS | AMOUNT |
|-------|--------------------------------|------------|
| 1 | IRG FROM DOMESTIC MARKET | 1229747.15 |
| 2 | IRG FROM KHADI PRAKRITIK PAINT | 192600.00 |
| 3 | IRG FROM MISC. INCOME | 292631.00 |
| 4 | IRG FROM TRAINING | 650970.00 |
| 6 | IRG FROM CONSULTANCY | 250670.00 |
| 7 | IRG FROM ANNUAL MEMBERSHIP FEE | 1500.00 |
| 8 | IRG FROM LAB TESTING FEE | 17090.00 |
| | TOTAL | 2635208.15 |

Handwritten signature
ML

